

- Earle, F. S. 1901. Systematic catalogue of the plants growing without cultivation in Alabama, including descriptions of new, rare, and little-known species. *Contr. U. S. Natl. Herb.* 6:139-263.
- Eckert, J. W., and P. H. Tsao. 1962. A selective antibiotic medium for isolation of *Phytophthora* and *Pythium* from plant roots. *Phytopathology* 52:771-777.
- Edgecombe, A. E. 1938. The effect of galactose on the growth of certain fungi. *Mycologia* 30:601-624.
- Edington, A. 1889. On the *Saprolegnia* of salmon disease and allied forms. Annual Rep. (7th) Fish. Board Scotland, pp. 368-382.
- Edson, H. A. 1915a. Seedling diseases of sugar beets and their relation to root-rot and crown-rot. *J. Agric. Res.* 4:135-168.
- _____. 1915b. *Rheosporangium aphanidermatus*, a new genus and species of fungus parasitic on sugar beets and radishes. *J. Agric. Res.* 4:279-292.
- Edwards, J. A., J. S. Mills, J. Sundeen, and J. H. Fried. 1969. The synthesis of the fungal sex hormone antheridiol. *J. Amer. Chem. Soc.* 91:1248-1249.
- _____, J. Sundeen, W. Salmond, T. Iwadare, and J. H. Fried. 1972. A new synthetic route to the fungal sex hormone antheridiol and the determination of its absolute stereochemistry. *Tetrahedron Letters*, No. 9, pp. 791-794.
- Eek, T. van. 1938. Root-rot of *Viola tricolor maxima* Hort. *Phytopathol. Z.* 11:217-281.
- Egusa, S. 1963. Studies on saprolegniasis of the eel. - I. Resistance of the eel to fungus infections. *Bull. Jap. Soc. Sci. Fish.* 29:27-36.
- _____. 1965. The existence of a primary infectious disease in the so-called "fungus disease" in pond-reared eels. *Bull. Jap. Soc. Sci. Fish.* 31:517-526.
- _____. 1966. Studies of fungus disease of elvers: interim report. *Fish Pathol.* 1:23-36.
- _____. 1973. Diseases of eels. *Bull. Korean Fish. Soc.* 6:132-134. (Published under Korean spelling, S. Kokusa.)
- _____, and N. Masuda. 1971. A new fungus disease of pond-reared ayu. *Fish Pathol.* 6:41-46.

- ____, and T. Nishikawa. 1965. Studies of a primary infectious disease in the so-called fungus disease of eels. *Bull. Jap. Soc. Sci. Fish.* 31:804-813.
- Eicker, A. 1976. An annotated list of microfungi isolated from the soils around Pretoria, Transvaal. *J. South African Bot.* 42:127-138.
- El-Hissy, F. T. 1974. Fresh water fungi in Egypt. *Egypt. J. Bot.* 17:187-189.
- ____, and M. A. El-Nagdy. 1983. Aquatic Phycomycetes on the mud of the River Nile (Assiut, Egypt). *Sydowia Ser. II.* 36:118-124.
- ____, A. H. Moubasher, and M. A. El-Nagdy. 1982. Seasonal fluctuations of freshwater fungi in River Nile (Egypt). *Zeitschr. für Allgemein Mikrobiologie* 22:521-527.
- Elias, M. K. 1965. Living and fossil fungi and algae, formerly known as structural parts of marine Bryozoans. *Palaeobotanist* 14:5-18. (1966)
- Eliason, E. J. 1928. comparative virulence of certain strains of *Pythium* in direct inoculation of conifers. *Phytopathology* 18:361-367.
- Elliott, C. G. 1977. Sterols in fungi: their functions in growth and reproduction. Pp. 121-173. *In* A. H. Rose and D. W. Tempest (Eds.), *Advances in Microbial Physiology*. Vol. 15. Academic Press: London.
- Elliott, R. F. 1967a. Effects of kinetin and related compounds on growth and sexual reproduction of *Saprolegnia australis*. *Planta* 77:164-175.
- ____. 1967b. Morphological variation in New Zealand Saprolegniaceae 1. *Achlya caroliniana* Coker and *A. flagellata* Coker. *New Zealand J. Bot.* 5:418-423.
- ____. 1968. Morphological variation in New Zealand Saprolegniaceae. 2. *Saprolegnia terrestris* Cookson and *S. australis* sp. nov. *New Zealand J. Bot.* 6:94-105.
- ____. 1975. Viability of fungous cultures dried and stored over silica gel. *New Zealand J. Sci.* 18:577-583.
- Ellis, D. 1914-15. Fossil micro-organisms from the Jurassic and Cretaceous rocks of Great Britain. *Proc. Roy. Soc. Edinburgh* 35: 110-133.
- ____. 1918. Phycomycetous fungi from the English lower coal measures. *Proc. Royal Soc. Edinburgh* 38:130-145.

- Ellis, D. E., and H. R. Garriss. 1943. Notes on plant diseases in North Carolina in 1942. *Vegetable Crops. Pl. Dis. Reporter* 27:494-496.
- Ellis, E. A., and J. T. Mullins. 1975. Preparation of coenocytes for freeze-etching. *Stain Technol.* 50:245-250.
- Ellzey, J. T. 1974. Ultrastructural observations of meiosis within antheridia of *Achlya ambisexualis*. *Mycologia* 66:32-47.
- _____, and E. Huizar. 1977. Synaptonemal complexes in antheridia of *Achlya ambisexualis* E87. *Archives Mikrobiol.* 112:311-313.
- _____, _____, and D. Yanez. 1976. Microfilament bundles in antheridial nuclei of *Achlya ambisexualis* E87. *Archives Microbiol.* 107:113-114.
- Elson, K. G. R. 1968a. Salmon disease in Scotland. *Salmon Net*, No. 4, pp. 9-17.
- _____. 1968b. Salmon disease in Scotland. *Scottish Fish. Bull.* 30:8-16.
- Emerson, R. 1941. An experimental study of the life cycles and taxonomy of *Allomyces*. *Lloydia* 4:77-144.
- _____. 1950. Current trends of experimental research on the aquatic Phycomycetes. *Annual Rev. Microbiol.* 4:169-200.
- _____. 1958. Mycological organization. *Mycologia* 50:589-621.
- _____, and C. M. Wilson. 1949. The significance of meiosis in *Allomyces*. *Science* 110:86-88.
- Emoto, Y. 1923. On the enzymes of some Saprolegniaceae. *Bot. Mag. (Tokyo)* 37:13-29.
- Endlicher, S. 1841. *Enchiridion botanicum exhibens classes et ordines plantarum accedit nomenclator generum et officinalium vel usualium indicatio*. G. Engelmann: Lipsiae. 763 pp.
- Er, D.-s. 1973. Morphology and multiplication of water moulds. Pp. 32-41. *In Flora of Fish Pathogens, Hupeh Province, China*. Hupeh Inst. Water Biology. (Ed.)
- Érgashev, Z., and Kh. M. Kirgizbaeva. 1978. Sezonnoe raspredelenie vodnykh gribov v vodoemakh Golodnoĭ i Karshinskoĭ stepei. *Ekol.-floristicheski izuchenie vodoroslei i gribov Srednei Azii, Tashkent*, pp. 171-172.

- Ernould, L. 1949a. Les ennemis de la betterave en Belgique, en 1949. Publ. Inst. Belge Amélior. Betterave 17:221-230.
- _____. 1949b. La maladie de l' étranglement de la betterave. Publ. Inst. Belge Amélior. Betterave 17:231-236.
- Errera, L. 1905. Glycogène et "paraglycogène" chez les végétaux. Recueil Inst. Bot. 1:343-379.
- _____. 1906. Dessins relatifs au glycogène et au paraglycogène. Recueil Inst. Bot. 1:431-446.
- Erwin, J. 1973. Comparative biochemistry of fatty acids in eukaryotic microorganisms. Pp. 41-143. In J. A. Erwin (Ed.), Biomembranes of Eukaryotic Microorganisms. Academic Press: New York.
- Esmarch, F. 1942. Der Wurzelbrand der Rüben. Kranke Pflanze 19:19-23.
- Estes, R. D. 1957. The effectiveness of certain fungicides on goldfish and goldfish eggs. Master's thesis, Alabama Polytechn. Inst., Auburn. 75 pp.
- Etheridge, R., Jr. 1891. On the occurrence of microscopic fungi allied to the genus *Palaeachlya*, Duncan, in the Permo-Carboniferous rocks of N. S. Wales and Queensland. Rec. Geol. Surv. New South Wales 2:95-99.
- Ethold, H. 1960. Die Wirkungen des Lichtes auf einige Pilze und ihre spektrale Grenze zurn Langwelligen hin. Arch. Mikrobiol. 37:226-244.
- Fajola, A. O., S. O. Alasoadura, and C. I. Ogbonna. 1978. Some aquatic [*sic.*] Phycomycetes from riverine soils in Ibadan, Nigeria. Nova Hedwigia 29:905-911.
- Famin, A. 1931. Action de la température sur le chondriome de quelques cellules végétales. Compt.-Rend. Hebd. Séances Mém. Soc. Biol. 106:1208-1209.
- Farkaš, V. 1979. Biosynthesis of cell walls of fungi. Microbiol. Rev. 43:117-144.
- Farley, J. D., and J. L. Lockwood. 1964. Increased susceptibility to root rots in virus-infected peas. Phytopathology 54:1279-1280.
- Faro, S. 1971. Utilization of certain amino acids and carbohydrates as carbon sources by *Achlya heterosexalis*. Mycologia 63:1234-1237.
- _____. 1972a. A soluble beta-1, 3-glucan found in selected genera of Oomycetes. J. Gen. Microbiol. 72:393-394.

- _____. 1972b. The role of cytoplasmic glucan during morphogenesis of sex organs in *Achlya*. Amer. J. Bot. 59:919-923.
- Farr, D. F., and R. A. Paterson. 1974. Aquatic fungi in rivers: their distribution and response to pollutants. Virginia Water Resources Res. Center, Bull. 68, Blacksburg, Virginia, 45 pp.
- Fatio, V. 1887. Mortalité exceptionnelle du brochet. Arch. Sci. Phys. Nat. (3^e Sér.) 17:74-75.
- Fennell, D. I. 1960. Conservation of fungous cultures. Bot. Rev. (Lancaster) 26:79-141.
- _____, K. B. Raper, and M. H. Flickinger. 1950. Further investigations on the preservation of mold cultures. Mycologia 42:135-147.
- Fenwick, H. S. 1969. Diseases of Austrian winter peas in Idaho. Pl. Dis. Reporter 53:918-920.
- Ferrir, V. R. 1954. A note on the flagellation of *Phytophthora infestans* (Mont.) de Bary. Science 120:71-72.
- Fèvre, M. 1968. Action de la D-actinomycine et de la puromycine sur la croissance et la ramification du mycélium jeune de *Saprolegnia monoïca* Pringsheim. Compt.-Rend. Hebd. Séances Acad. Sci. (Sér. D) 267:293-295.
- _____. 1969. Cellulase et ramification chez *Saprolegnia monoïca* Pringsheim. Compt.-Rend. Hebd. Séances Acad. Sci. (Sér. D) 269:2347-2350.
- _____. 1972. Contribution to the study of the determination of mycelium branching of *Saprolegnia monoïca* Pringsheim. Z. Pflanzenphysiol. 68:1-10.
- _____. 1974. Activité phosphatasique acide chez *Saprolegnia monoïca* Pringsheim. Experientia (Basel) 30:322-324.
- _____. 1976. Recherches sur le déterminisme de la morphogénèse hyphale. Aspects enzymatiques de la croissance et de la ramification des hyphes de *Saprolegnia monoïca* Pringsheim. Doctoral thesis, Univ. Claude Bernard Lyon I, Villeurbanne, France. 280 pp.
- _____. 1977. Subcellular localization of glucanase and cellulase in *Saprolegnia monoïca* Pringsheim. J. Gen. Microbio. 103:287-295.

- ____. 1979a. Intracellular and cell wall associated (1 → 3) β glucanases of *Saprolegnia*. Mycopathologia 67:89-94.
- ____. 1979b. Glucanases, glucan synthases and wall growth in *Saprolegnia monoica*. Pp. 225-263. In J. H. Burnett and A. P. J. Trinci (Eds.), Fungal Walls and Hyphal Growth. Cambridge Univ. Press: London.
- ____. 1979c. Digitonin solubilization and protease stimulation of β glucan synthetases of *Saprolegnia*. Z. Pflanzenphysiol. 95:129-140.
- ____, and C. Dumas. 1977. β -Glucan synthetases from *Saprolegnia monoica*. J. Gen. Microbiol. 103:297-306.
- ____, G. Turian, and J.-P. Larpent. 1975. Bourgeonnements et croissance hyphale fongiques. Homologies structurales et fonctionnelles modeles *Neurospora* et *Saprolegnia*. Physiol. Vég. 13:23-38.
- Fiebiger, J. 1903-04. Über die Verpilzung der Fische. Österreichischen Fischerei-Zeitung 1:8-10. (1904)
- Fink, H. C., and W. F. Buchholtz. 1954. Correlation between sugar beet crop losses and greenhouse determinations of soil infestation by *Aphanomyces cochlioides*. Proc. 8th General Meeting, Amer. Soc. Sugar Beet Technologists, 1954, pp. 252-259.
- Fischer, A. 1880. Ueber die Stachelkugeln in Saprolegniaschläuchen. Bot. Zeitung (Leipzig) 38:689-696, 705-711, 721-726.
- ____. 1882. Untersuchungen über die Parasiten der Saprolegnieen. Jahrb. Wiss. Bot. 13:286-371.
- ____. 1892. Phycomycetes. Die Pilze Deutschlands, Oesterreichs und der Schweiz. Pp. 1-505. In L. Rabenhorst, Kryptogamen-Flora von Deutschland, Oesterreich und der Schweiz 1(4). E. Kummer: Leipzig.
- ____. 1894. Ueber die Geisseln einiger Flagellaten. Jahrb. Wiss. Bot. 26:187-235.
- Fischer, F. G., and G. Werner. 1955. Eine Analyse des Chemotropismus einiger Pilze, insbesondere der Saprolegniaceen. Hoppe-Seyler's Z. Physiol. Chem.. 300:211-236.
- ____, and _____. 1958a. Die Chemotaxis der Schwärmsporen von Wasserpilzen (Saprolegniaceen). Hoppe-Seyler's Z. Physiol. Chem. 310:65-91.

- ____, and _____. 1958b. Über die Wirkungen von Nicotinsäureamid auf die Schwärmsporen wasserbewohnender Pilze. Hoppe-Seyler's Z. Physiol. Chem. 310:92-96.
- Fish, F. F. 1934. Ulcer disease of trout. Trans. Amer. Fish. Soc. 64:252-258.
- _____. 1944. A technique for controlling infectious disease in hatchery fish. Trans. Amer. Fish Soc. 74:209-222. (1947)
- Flanagan, P. W. 1970. Meiosis and mitosis in Saprolegniaceae. Canad. J. Bot. 48:2069-2076.
- Fletcher, H. J. 1979. Psychrophilic Saprolegniaceae? Bull. Brit. Mycol. Soc. 13:125.
- _____, B. A. Baldo, and T. C. Fletcher. 1979. Lectin reactivity of *Saprolegnia* extracts. Trans. Brit. Mycol. Soc. 72:497-500.
- Fletcher, J. 1976. Construction and use of a windowed Petri dish for continuous observation and photography of submerged fungal structures. Trans. Brit. Mycol. Soc. 66:367-369.
- _____. 1978. Timing of events during oospore genesis in *Saprolegnia diclina*. Trans. Brit. Mycol. Soc. 70:417-422.
- _____. 1979a. An ultrastructural investigation into the role of calcium in oosphere-initial development in *Saprolegnia diclina*. J. Gen. Microbiol. 113:315-326.
- _____. 1979b. Cytology of *Saprolegnia diclina* Humphrey and *S. terrestris* Cookson ex Seymour in relation to congenital oospore abortion. Ann. Bot. (London) 44:583-587.
- _____. 1979c. Effect of calcium chloride concentration on growth and sporulation of *Saprolegnia terrestris* Cookson ex Seymour. Ann. Bot. (London) 44:589-594.
- Florinskaya, A. A. 1968. Morfologicheskaya variabil'nost' oogoniev u *Saprolegnia ferax* (Cruith.) [sic] Thuret. Mikol. i Fitopatol. 2:151-157.
- _____. 1969. Materialy po vidovomu sostavu i ékologii plesnevykh gribov - vzbuditelei saprolegniov ryb Leningradskoï oblasti. Izv. Nauchn.-Issl. Inst. Ozerного i Rechnogo Rybnogo Khozyaïstva 69:103-123. (Translation: R. M. Howland and G. D. Kavanaugh, Natl. Marine Fish. Service, NOAA, U. S. Dept. Commerce, Office Int. Fish. 31 pp. (1972)

- _____. 1971. O nakhozhdenii saprolegnievykh gribov na ikre i rybakh pri iskusstvennom razvedenii v usloviyakh Leningradskoï oblasti. Trudy Vsesojuzn. Nauchno-Issl. Inst. Prudovogo Rybnogo Khozyaïstva 18:222-226.
- Forbes, E. J. 1935a. Observations on some British water moulds (Saprolegniales and Blastocladales). Trans. Brit. Mycol. Soc. 19:221-239.
- _____. 1935b. Watermoulds of the Manchester district. Mem. & Proc. Manchester Lit. Soc. 79:1-11.
- Forel, F. A. 1867. Notes sur un maladie epizootique qui a sevi chez les perches du lac Lemane en 1867. Bull. Soc. Vaud. Sci. Nat. 9:599-608. (1866-68)
- Forer, A. 1974. Possible roles of microtubules and actin-like filaments during cell-division. Pp. 319-336. In G. M. Padilla, I. L. Cameron, and A. Zimmerman (Eds.), Cell Cycle Controls. Academic Press: New York.
- Foster, F. J., and L. Woodbury. 1936. The use of malachite green as a fish fungicide and antiseptic. Progressive Fish-Culturist No. 18, pp. 7-9.
- Fowles, B. E. 1967. Factors affecting growth and reproduction of *Aphanomyces*. Doctoral dissertation, Univ. California, Berkeley. 74 pp.
- _____. 1976. Factors affecting growth and reproduction of *Aphanomyces*. Mycologia 68:1221-1232.
- Fox, N. C., and F. T. Wolf, 1977a. Aquatic Phycomycetes of Radnor Lake, Nashville, Tennessee. J. Tennessee Acad. Sci. 52:100-104.
- _____, and _____. 1977b. Enzymes of *Dictyuchus monosporus*. Mycologia 69:263-270.
- Frank, B. 1879. Die Pflanzenkrankheiten. Pp. 327-570. In Handbuch der Botanik. Vol. 1. Edward Trewendt: Breslau.
- Franke, J. 1908. Radical prevention of *Costia necatrix* in salmonid fry. Bull. Bur. Fish. 28:917-928. (1910)
- Frey, R. 1950. Chitin und Zellulose in Pilzzellwänden. Ber. Schweiz. Bot. Ges. 60:199-230.
- Fritsch, A. 1895. Über parasiten bei Crustaceen und Raederthieren der süßen Gewässer. Bull. Int. Acad. Sci. de l'Empereur François Joseph I, Cl. Sci. Math. Nat. (Česká Akad. Císaře Františka Josepha I) 1:79-85.

- Fry, W. L., and D. J. McLaren. 1959. Fungal filaments in a Devonian limestone from Alberta. Bull. No. 48 Canad. Geol. Surv., pp. 1-9.
- Fückel, L. 1869. Symbolae mycologicae. Beiträge zur Kenntnis der rheinischen Pilze. Jahrb. Nassauischen Vereins Naturk. 23-24:1-459. (1870)
- Fukunishi, T., A. Ogoshi, and R. Sakai. 1976. *Aphanomyces euteiches* Drechsler, a causal fungus of "susogare" of garden pea in Tokushima Prefecture. Ann. Phytopathol. Soc. Japan 42:53-55.
- Fuller, M. S. 1976. Mitosis in fungi. Int. Rev. Cytol. 45:113-153.
- _____, and R. O. Poyton. 1964. A new technique for the isolation of aquatic fungi. BioScience 14:45-46.
- Fulton, H. R. 1906. Chemotropism of fungi. Bot. Gaz. (Crawfordsville) 41:81-108.
- Fürst, M. 1977. Flodkräftan och signalkräftan i Sverige 1976. Information från Sötvattenslaboratoriet Drottningholm, Sweden, No. 10. 32 pp.
- _____. (Ed.). 1978. Nordiskt kräftsymposium 1977. Information från Sötvattenslaboratoriet, Drottningholm, Sweden, No. 14. 99 pp.
- ____ and U. Boström. 1978. Frekvens av en skalsvamp (kräftpest) på signalkräftar. Information från Sötvattenslaboratoriet, Drottningholm, Sweden, No. 1. 24 pp.
- Furtado, J. S. 1965. A new aquatic fungus, *Achlya benekei* sp. nov. Rickia 2:121-128.
- Gabran, O. 1939. Beobachtungen über den Verlauf der durch den Fadenpilz *Aphanomyces astaci* verursachten Krebspest in Nordlivland. Fischeri-Zeitung (Neudamm) 42:328-329.
- Gaertner, A. [M.]. 1954. Über das Vorkommen niederer Erdphycomyceten in Afrika, Schweden und an einigen mitteleuropäischen Standorten. Archiv. Mikrobiol. 21:4-56.
- ____ and F. K. Sparrow, Jr. 1966. A preliminary study of aquatic Phycomycetes in the lakes of the Huron Mountains, Michigan. Veroff. Inst. Meeresf. Bremerhaven 10:93-105.

- Gallaud, I. 1907. Revue des travaux fur les champignons Phycomycètes et Basidiomycètes parus de 1898 à 1906. Rev. Gén. Bot. 19:302-304, 350-352, 392-400, 426-432, 459-464, 506-512, 557-559.
- Galloway, T. W. 1891. Notes on the fungus causing damping off, and other allied forms. Trans. Massachusetts Hort. Soc., 1891, Part 2, pp. 230-239.
- Garman, P. 1917. The Zygoptera, or damsel-flies, of Illinois. Bull. Illinois State Lab. Nat. Hist. 12(4):411-587.
- Garrett, S. D. 1951. Ecological groups of soil fungi: a survey of substrate relationships. New Phytol. 50:149-166.
- Gaskill, J. O., H. W. Bochstahler, and O. E. Reece. 1948. Comparative reaction of sugar beet strains to black root in field tests at Blissfield, Michigan, and Waseca, Minnesota, in 1947. Proc. 5th General Meeting, Amer. Soc. Sugar Beet Technologists, 1948, pp. 142-150.
- Gäumann, E. 1918. Ein Beitrag zur Kenntnis der lappländischen Saprolegnieen. Bot. Not. 1918:151-159.
- _____. 1964. Die Pilze. Grundzüge ihrer Entwicklungsgeschichte und Morphologie. Zweite Auflage. Birkhäuser: Basel. 541 pp.
- Gautheret, R. 1939. Action du *Saprolegnia diclina* sur le potentiel d'oxydoréduction des milieux de culture additionnés de colorants. Compt.-Rend. Hebd. Séances Mém. Soc. Biol. 131:616-618.
- Gay, J. L. 1972. X-ray microanalysis in the development of oospores of the fungus *Saprolegnia*. Micron 3:139-143.
- _____, and A. D. Greenwood. 1966. Structural aspects of zoospore production in *Saprolegnia ferax* with particular reference to the cell and vacuolar membranes. Pp. 95-108. In M. F. Madelin (Ed.), The Fungus Spore. Proc 18th Symposium Colston Res. Soc.. Butterworths: London.
- _____, _____, and I. B. Heath. 1971. The formation and behaviour of vacuoles (vesicles) during oosphere development and zoospore germination in *Saprolegnia*. J. Gen. Microbiol. 65:233-241.
- Geach, W. L. 1936. Root rot of grey peas in Tasmania. J. Council Sci. Res. Australia 9:77-87.

- Geard, I. D. 1961. Diseases of peas. *Tasmanian J. Agric.* 32:131-143.
- Geelen, J. F. M. 1975. *Orcanectes limosus* (Raf.) and *Astacus astacus* L. (Crustacea, Decapoda) in the Netherlands. *Hydrobiol. Bull. (Amsterdam)* 9:109-113.
- Gellerman, J. L., and H. Schlenk. 1979. Methyl-directed desaturation of arachidonic to eicosapentaenoic acid in the fungus, *Saprolegnia parasitica*. *Biochim. Biophys. Acta.* 573:23-30.
- Gepp, A. 1899. *Apodachlya*, a genus of fungi new to Britain. *J. Bot., British and Foreign* 37:198-201.
- Gerard, W. R. 1879. The *Saprolegnia ferax*. *Proc. Poughkeepsie Soc. Nat. Sci.* 1878-79, pp. 25-28.
- Ghafoor, A. 1964. Radish black-root fungus: host range, nutrition, and oospore production and germination. *Phytopathology* 54:1167-1171.
- Gicklhorn, J. 1923. *Aphanomyces ovidestruens* nov. spec. – ein Parasit in den Eiern von *Diaptomus*. *Lotos* 71:143-156.
- Gleason, F. H. 1972. Lactate dehydrogenases in Oomycetes. *Mycologia* 64:663-666.
- _____. 1973a. Nuclear tubules in *Saprolegnia*. *Cytobios* 8:185-187.
- _____. 1973b. Uptake of amino acids by *Saprolegnia*. *Mycologia* 65:465-468.
- _____. 1974. Cyanide-insensitive respiration in *Saprolegnia*. *Mycologia* 66:73-76.
- _____. 1976. The physiology of the lower freshwater fungi. Pp. 543-572. In E. B. G. Jones (Ed.), *Recent Advances in Aquatic Mycology*. Paul Elek: London.
- _____, and J. S. Price. 1969. Lactic acid fermentation in lower fungi. *Mycologia* 61:945-956.
- _____, C. R. Rudolph, and J. S. Price. 1970. Growth of certain aquatic Oomycetes on amino acids. I. *Saprolegnia*, *Achlya*, *Leptolegnia*, and *Dictyuchus*. *Physiol. Pl. (Copenhagen)* 23:513-516.
- _____, T. D. Stuart, J. S. Price, and E. T. Nelbach. 1970. Growth of certain aquatic Oomycetes on amino acids. II. *Apodachlya*, *Aphanomyces*, and *Pythium*. *Physiol. Pl. (Copenhagen)* 23:769-774.
- _____, and T. Unestam. 1968. Cytochromes of aquatic fungi. *J. Bacteriol.* 95:1599-1603.

- Goh, S. H., and H. B. LéJohn. 1977. Genetical and biochemical evidence that a novel dinucleoside polyphosphate coordinates salvage and *de novo* nucleotide biosynthetic pathways in mammalian cells. *Biochem. Biophys. Res. Commun.* 74:256-264.
- _____, and _____. 1978. Glucose transport in *Achlya*: characterization and possible regulatory aspects. *Canad. J. Biochem.* 56:246-256.
- Goldie-Smith, E. K. 1950. Note on a method of inducing sporangium formation in *Pythium undulatum* Petersen, and in species of *Saprolegnia*. *Trans. Brit. Mycol. Soc.* 33:92-93.
- _____. 1952. The sporangial phase of *Pythium undulatum* Petersen. *J. Elisha Mitchell Sci. Soc.* 68:273-292.
- _____. 1956. Maintenance of stock cultures of aquatic fungi. *J. Elisha Mitchell Sci. Soc.* 72:158-166.
- Goldsmith, E. P. 1948. Observations on some water fungi collected in and around Johannesburg. *J. S. African Bot.* 14:135-158.
- Golini, V. I., and J. P. Sherry. 1979. *Chironomus plumosus* (Diptera: Chironomidae) from Lake Ontario parasitized by a mermithid nematode with subsequent colonization by a saprolegniaceous fungus. *Trans. Amer. Microscop. Soc.* 98:572-576.
- Gomori, G. 1952. *Microscopic Histochemistry. Principles and Practice.* Univ. Chicago Press: Illinois. 273 pp.
- Gonzalez, M. G. 1975. Some characteristics of the 'Caida' disease of sugar beet in Chile, and its control. *Rev. Inst. Int. Rech. Betteraves* 7:55-60.
- Gooday, G. W. 1974. Fungal sex hormones. *Annual Rev. Biochem.* 43:35-49.
- Goodsir, J. 1842. On the Conferva which vegetates on the skin of the gold-fish. *Ann. Mag. Nat. Hist. (Ser. 1)* 9:333-337.
- _____. 1846. Description of a vegetable found on the gills and fins of a goldfish. *Trans. Bot. Soc. Edinburgh* 1:191-192.

- Goodwin, T. W. 1973. Comparative biochemistry of sterols in eukaryotic microorganisms. Pp. 1-40. In J. A. Erwin (Ed.), *Lipids and Biomembranes of Eukaryotic Microorganisms*. Academic Press: New York.
- Gopalakrishnan, V. 1963. Controlling pests and diseases of cultured fishes. *Indian Livestock* 1:51-54.
- _____. 1964. Recent developments in the prevention and control of parasites of fishes cultured in Indian waters. *Proc. Zool. Soc. Calcutta* 17:95-100.
- _____. 1965. A report of fish diseases in the trout hatcheries and farms of Kashmir. *Central Indian Fish. Res. Inst (Barrackpore) Bull. No. 6*. 18 pp.
- _____. 1966. Diseases and parasites of fishes in warm-water ponds in Asia and the Far East. *Proc. FAO World Symposium Warm-Water Pond Fish Culture, IX/R-4, FAO Fish. Rep. No. 44*, 5:319-343.
- ____ and V. G. Jhingran. 1972. Role of fish pathological studies in increasing fish production. *Proc. Symposium on Sci. & India's Food Problem. I. C. A. R.*, pp. 151-155.
- Gordon, M. 1936. Fishes, beware the fungus. *Aquarium* 5:27-29.
- Gottwald, S. 1961. Die Anwendung von Malachitgrün und Kochsalz beim Erbrüten und Hältern von Laichfischen in Polen. *Deutsche Fischerei-Zeitung* 8:48-52.
- _____. 1967. Die Behandlung mit Methylenblau bei Saprolegniabefall von Hechteiern. *Deutsche Fischerei-Zeitung* 14:161-164.
- Götze, H. 1918. Hemmung und Richtungsänderung begonnener Differenzierungsprozesse bei Phycomyceten. *Jahrb. Wiss. Bot.* 58:337-405.
- Gould, C. J. 1949. *Ascochyta pinodella* foot rot of peas in Western Washington. *Phytopathology* 39:947-949.
- Graff, P. W. 1918. Philippine micromycetous fungi. *Mem. Torrey Bot. Club* 17:56-73.
- _____. 1928. Contributions to our knowledge of Western Montana fungi - II. *Phycomycetes. Mycologia* 20:158-179.
- Graham, J. J. 1956. Observations on the alewife, *Pomolobus pseudoharengus* (Wilson), in fresh water. *Ontario Fish Res. Lab. Publ. No. 74, Univ. Toronto Biol. Ser. No. 62*. 43 pp.

- Grau, C. R. 1975. Relationship of soil-incorporated herbicides to root disease of *Pisum sativum*. Doctoral thesis, Univ. Minnesota, Minneapolis. 88 pp.
- _____. 1977. Effect of dinitramine and trifluralin on growth, reproduction, and infectivity of *Aphanomyces euteiches*. *Phytopathology* 67:551-556.
- _____, and T. P. Reiling. 1977. Effect of trifluralin and dinitramine on *Aphanomyces* root rot of pea. *Phytopathology* 67:273-276.
- Green, B. R., and M. W. Dick. 1972. DNA base composition and the taxonomy of the Oomycetes. *Canad. J. Microbiol.* 18:963-968.
- Green, D. M., J. A. Edwards, A. W. Barksdale, and T. C. McMorris. 1971. The isolation and structure of 23-deoxyanthridiol and the synthesis of its C-22 epimer. *Tetrahedron* 27:1199-1203.
- Greenhalgh, M. E. 1974. Egg spoilage in the common frog in high-level pennine tarns. *Naturalist (Leeds)* No. 928, p. 39.
- Greenhalgh, R. C., P. R. Merriman, and P. J. Keane. 1985. *Aphanomyces euteiches*, a cause of root rot of subterranean clover in Victoria. *Australasian Pl. Pathol.* 14:i-iv. (Reprint pagination)
- Gregory, H. E., and C. K. Wentworth. 1937. General features and glacial geology of Mauna Kea, Hawaii. *Bull. Geol. Soc. Am.* 48:1719-1742.
- Gregory, P. H. 1951. The fungi of Hertfordshire. *Trans. Hertfordshire Nat. Hist. Soc.* 23:137-208.
- _____. 1966. The fungus spore: what it is and what it does. Pp. 1-13. *In* M. F. Madelin (Ed.), *The Fungus Spore*. Proc. 18th Symposium Colston Res. Soc. Butterworths: London.
- Greulach, V. A., and C. E. Miller. 1956. The effect of maleic hydrazide on the growth of twenty-two species of fungi. *J. Elisha Mitchell Sci. Soc.* 72:138-142.
- Griffin, D. H. 1966. Effect of electrolytes on differentiation in *Achlya* sp. (Lancaster). *Pl. Physiol.* 41:1254-1256.
- _____, and C. Breuker. 1969. ribonucleic acid synthesis during the differentiation of sporangia in the water mold *Achlya*. *J. Bacteriol.* 98:689-696.

- ___, S. B. Sullia, and I. F. Salkin. 1978. Resistance of selected saprobic and zoopathogenic fungi to cycloheximide. *J. Gen. Microbiol.* 105:127-134.
- ___, W. E. Timberlake, and J. C. Cheney. 1974. Regulation of macromolecular synthesis, colony development, and specific growth rate of *Achlya bisexualis* during balanced growth. *J. Gen. Microbiol.* 80:381-388.
- ___, ___, ___, and P. A. Horgen. 1975. The RNA polymerases of fungi. Glutarimides and the regulation of RNA polymerase I. Pp. 69-87. *In* C. L. Markert (Ed.), *Isozymes I. Molecular structure*. Academic Press: New York.
- Griffith, J. W., and A. Henfrey. 1875. *The micrographic dictionary; a guide to the examination and investigation of the structure and nature of microscopic objects*. Vol. 1 - text. 3rd Ed. J. van Voorst: London. 845 pp.
- Griffon, E., and A. Maublanc. 1911. Notes de pathologie végétale et animale. V. Sur une maladie des poissons causée par une Saprolegniée. *Bull. Soc. Mycol. France* 27:473-475.
- Grimaldi, E., R. Peduzzi, G. Cavicchioli, G. Guissani, and E. Spreafico. 1973. Diffusa infezione branchiale da funghi attribuiti al genere *Branchiomyces* Plehn (*Phycomyces Saprolegniales*) a carico dell'ittiofauna di laghi situati a norde e a sud delle Alpi. *Mem. Ist. Ital. Idrobiol.* 30:61-96.
- Gröhrock, E. 1935. Über die Umhütungisolierter Protoplaststücke. *Untersuchungen an Saprolegnia*. *Planta* 23:313-339.
- Groner, B., N. Hynes, A. E. Sippel, and G. Schutz. 1976. Induction of specific proteins in hyphae of *Achlya ambisexualis* by the steroid hormone antheridiol. *Nature* 261:599-601.
- Groth, J. V., F. L. Pflieger, and T. P. Reiling. 1979. Lack of suppression of pea root rot in field soil by incorporation of calcium carbonate. *Pl. Dis. Reporter* 63:175-177.
- Grove, S. N. 1978. The cytology of hyphal tip growth. Pp. 28-50. *In* J. E. Smith and D. R. Berry (Eds.), *The Filamentous Fungi*. Vol. 3. Halsted Press/Wiley: New York.
- ___, and C. E. Bracker. 1970. Protoplasmic organization of hyphal tips among fungi: vesicles and Spitzenkörper. *J. Bacteriol.* 104:989-1009.
- ___, ___, and D. J. Morré. 1968. Cytomembrane differentiation in the endoplasmic reticulum-Golgi apparatus-vesicle complex. *Science* 161:171-173.

- ____, ____ and _____. 1970. An ultrastructural basis for hyphal tip growth in *Pythium ultimum*. Amer. J. Bot. 57:245-266.
- Gruithuisen, F. von P. 1821. Die Branchienschnecke und eine aus ihren Ueberresten hervorwachsende lebendig-gebaehrende Conserve. Nova Acta Phys.- Med. Acad. Caes. Leop.- Carol. Nat. Cur. 10:437-452.
- Guilliermond, A. 1913. Sur les mitochondries des champignons. Compt.-Rend. Hebd. Séances Mém. Soc. Biol. 74:618-621.
- ____. 1918a. Sur la nature et la signification du chondriome. Compt.-Rend. Hebd. Séances Acad. Sci. 166:649-651.
- ____. 1918b. Mitochondries et système vacuolaire. Compt.-Rend. Hebd. Séances Acad. Sci. 166:862-864.
- ____. 1918c. Sur le chondriome des champignons. A propos des recherches récents de M. Dangeard. Compt.-Rend. Hebd. Séances Mém. Soc. Biol. 81:328-333.
- ____. 1920a. Observations cytologiques sur le cytoplasme d'un *Saprolegnia*. La Cellule 30:355-378.
- ____. 1920b. Observations vitals sur le chondriome d'une Saprolegniacée. Compt.-Rend. Hebd. Séances Acad. Sci. 170:1329-1331.
- ____. 1920c. Nouvelles observations cytologiques sur *Saprolegnia*. Compt.-Rend. Hebd. Séances Acad. Sci. 171:266-268.
- ____. 1920d. A propos de deux notes récentes de M. Dangeard. Compt.-Rend. Hebd. Séances Mém. Soc. Biol. 83:979-982.
- ____. 1920e. Sur le chondriome de la cellule végétale. A propos d'une note récente de M. Dangeard. Bull. Soc. Bot. France 67:170-180, 295-301.
- ____. 1920f. Sur la métachromatine des champignons. Compt.-Rend. Hebd. Séances Mém. Soc. Biol. 83:259-263.
- ____. 1920g. Observations vitale du chondriome des champignons. Compt.-Rend. Hebd. Séances Mém. Soc. Biol. 83:404-408.
- ____. 1920h. Sur les relations entre le chondriome des champignons et la métachromatine. Compt.-Rend. Hebd. Séances Mém. Soc. Biol. 83:855-858.

- ____. 1920i. A propos de la métachromatine. Compt.-Rend. Hebd. Séances Mém. Soc. Biol. 83:859-861.
- ____. 1921. Sur les éléments figurés du cytoplasme chez les végétaux: chondriome, appareil vacuolaire et granulations lipéïdes. Arch. Biol. (Paris) 31:1-82.
- ____. 1922. Nouvelles observations cytologique sur les Saprolegniées. La Cellule 32:429-454.
- ____. 1923. Sur la coloration vitale des chondriosomes. Compt -Rend. Hebd. Séances Mém. Soc. Biol. 89:527-529.
- ____. 1924. Nouvelles recherches sur les constituents morphologiques du cytoplasme de la cellule végétale. Arch. Anat. Microscop. 20: 1-210.
- ____. 1925a. sur l'instabilité de formes et la permanence des mitochondries. Compt. -Rend. Hebd. Séances Acad. Sci. 180:221-223.
- ____. 1925b. Observations dur l'origine des vacuoles. La Cellule 36:215-232.
- ____. 1926. Sur les relations du système vacuolaire avec l'appareil réticulaire Golgi dans les végétaux. Compt.-Rend. Hebd. Séances Acad. Sci. 182:485-487.
- ____. 1927. Recherches sur l'appareil de Golgi dans les cellules végétale et sur ses relations avec le vacuome. Arch. Anat. Microscop. 23:1-98.
- ____. 1928. Titres et travaux scientifiques (1900-1928). Barnéoud: Laval. 162 pp.
- ____. 1929a. The recent development of our idea of the vacuome of plant cells. Amer. J. Bot. 16:1-22.
- ____. 1929b. Nouvelles observations sur la coloration vitale par le rouge neutre dans les cellules végétales. Compt.-Rend. Hebd. Séances Acad. Sci. 188:813-815.
- ____. 1929c. Nouvelles remarques sur l'appareil de Golgi: l'appareil de Golgi dans les levures. Compt.-Rend. Hebd. Séances Acad. Sci. 188:1003-1006.
- ____. 1929d. Sur le développement d'un *Saprolegnia* dans de milieux additionnés de colorants vitaux et la coloration du vacuome pendant la croissance. Compt. -Rend. Hebd. Séances Acad. Sci. 188:1621-1623.

- ____. 1929e. Observations des cellules végétales au fond noir. Compt.-Rend. Hebd. Séances Mém. Soc. Biol. 100:1180-1185.
- ____. 1930a. Culture d'un *Saprolegnia* en milieux nutritifs additionnés de colorants vitaux. Valeur de la méthode des colorations vitales. Bull. Histol. Appl. Physiol., Pathol., Techn. Microscop. 7:97-110.
- ____. 1930b. Sur la formation des zoosporanges et la germination des spores chez un *Saprolegnia*, en cultures sur milieux nutritifs additionnés de rouge neutre. Compt.-Rend. Hebd. Séances Acad. Sci. 190:384-386.
- ____. 1930c. Recherches ultramicroscopique sur les cellules végétales. Rev. Gén. Bot. 42:129-143, 193-204, 391-408, 473-490.
- ____. 1930d. Le vacuome des cellules végétales. Protoplasma 9:133-174.
- ____. 1932a. La structure de la cellule végétale: les inclusions du cytoplasme et en particulier les chondriosomes et les plastes. Protoplasma 16:291-337.
- ____. 1932b. La structure des cellules végétales à l'ultramicroscope. Protoplasma 16:454-477.
- ____. 1934a. Sur certaines particularités cytologiques d'un *Saprolegnia*: dégénérescence mucilagineuse et production de sphérocristaux dans le suc vacuolaire. Compt.-Rend. Hebd. Séances Mém. Soc. Biol. 116:805-808.
- ____. 1934b. Titres et travaux scientifiques (supplément 1928 à 1934). Hermann et Cie: Paris. 96 pp.
- ____. 1935. Nouvelles recherches sur la nature et la signification des formations dites de Golgi. Rev. Cytol. Cytophysiol. Vég. 1:197-259.
- ____. 1941. The cytoplasm of the plant cell. Chronica Botanica: Waltham, Massachusetts. 247 pp.
- ____, and R. Gauthert. 1937. Sur les conditions dans lesquelles se produit la coloration vitale des vacuoles par le rouge neutre. Compt.-Rend. Hebd. Séances Acad. Sci. 204:1377-1381.
- ____, and _____. 1938a. Observations sur l'action de divers colorants sur les cellules végétales vivantes. Compt.-Rend. Hebd. Séances Acad. Sci. 206:1517-1520.

- ____, and _____. 1938b. Sur la fixation par les cellules végétales vivantes des leucoblases de certaines colorants vitaux. *Compt.-Rend. Hebd. Séances Acad. Sci.* 207:417-421.
- ____, and _____. 1940. Recherches sur la coloration vitale des cellules végétales. *Rev. Gén. Bot.* 52:353-374, 440-496.
- ____, and _____. 1946. Recherches sur la coloration vitale des cellules végétales. *Rev. Gén. Bot.* 53:25-44, 79-96, 121-144, 158-192, 212-240, 275-288, 315-336, 362-380.
- ____, and G. Hurel-Py. 1938. Recherches sur certaines particularités cytologiques d'un *Saprolegnia*: présence de sphérocristaux dans les vacuoles et formation aux dépens de la membrane cellulaire d'un composé pecto-callosique. *Rev. Cytol. Cytophysiol. Vég.* 3:23-53.
- ____, and F. Obaton. 1934. Sur l'action du pH du milieu dans la coloration vitale des cellules végétales. *Compt.-Rend. Hebd. Séances Mém. Soc. Biol.* 116:984-988.
- Gulbrandsen, K. S. 1976. Rovfiske kan ødelegge krepsebestanden. *Fauna (Oslo)* 29:122-126.
- György, K. 1957. A répagyökérfekély magyarországi elterjedésére és a védekezés lehetőségeire vonatkozó kutatások. (Előzetes közlemény.) *Cukoripar* 10:62-66.
- Hadwiger, L. A., D. C. Loschke, and J. R. Teasdale. 1977. An evaluation of pea histones as disease resistance factors. *Phytopathology* 67:755-758.
- Hanseler, C. M. 1923. Pea root rot investigations. *New Jersey Agric. Coll. Exp. Sta. Annual Rep. No. 44*, pp. 365-375. (1924)
- ____. 1924. Pea root rot studies. *New Jersey Agric. Coll. Exp. Sta. Annual Rep. No. 45*, pp. 403-414. (1925)
- ____. 1925. Studies on the root rot of peas (*Pisum sativum*) caused by *Aphanomyces euteiches*, Drechsler. *New Jersey Agric. Coll. Exp. Sta. Annual Rep. No. 46*, pp. 467-484. (1926)
- ____. 1926. Pea root-rot studies. *New Jersey Agric. Coll. Exp. Sta. Annual Rep. No. 47*, pp. 334-339. (1927)
- ____. 1928. Reduction in yield of peas due to root rot caused by *Aphanomyces euteiches*. *New Jersey Agric. Coll. Exp. Sta. Annual Rep. No. 49*, pp. 273-275.

- ____, W. D. Moore, and J. C. Gaines. 1923. Fungi and algae of the sprinkling filter bed with special reference to their seasonal distribution. Pp. 39-48. In W. Rudolfs (Ed.), *Studies on the Biology of Sewage Disposal*. New Jersey Agric. Coll. Exp. Sta. Bull. No. 390, pp. 39-48.
- ____, and T. R. Moyer. 1937. Effect of calcium cyanamide on the soil microflora with special reference to certain plant parasites. *Soil Sci.* 43:133-150.
- Hagedorn, H., and H. Weinert. 1971. Untersuchungen über die Ultrastruktur von *Saprolegnia monoica*. 1. Die vegetative Hyphe. *Z. Naturf.* 26b:843-849.
- ____, and _____. 1972. Das endoplasmatische Reticulum während der Sporogenese von *Saprolegnia monoica*. *Archiv Mikrobiol.* 81:13-24.
- ____, and _____. 1974. Die Veränderung der Ultrastruktur während der Zoosporogenese bei *Saprolegnia monoica*. *Protoplasma* 81:145-162.
- Haglund, W. A. 1960. Studies on the sulfur nutrition of *Aphanomyces euteiches* and its relationship to root rot of peas. Doctoral thesis, Univ. Minnesota, Minneapolis, 46pp.
- ____, and T. H. King. 1959. The effect of nematodes on the development of root rot and yield of canning peas. *Pl. Dis. Reporter* 43:787-790.
- ____, and _____. 1961a. Effect of parasitic nematodes on the severity of common root rot of canning peas. *Nematologia* 6:311-314.
- ____, and _____. 1961b. Inoculation technique for determining tolerance of *Pisum sativum* to *Aphanomyces euteiches*. *Phytopathology* 5:800-802.
- ____, and _____. 1962. Sulfur nutrition of *Aphanomyces euteiches*. *Phytopathology* 52:315-317.
- Hallett, I. C., and M. W. Dick. 1976. Intraspecific variation in zoospore cyst size in *Saprolegnia anisospora*. *Trans. Brit. Mycol. Soc.* 66:179-183.
- Hamid, A. 1942. Indian water moulds - III. *Proc. Indian Acad. Sci. (Sect.B)* 15:206-215.
- Hamlyn-Harris, R. 1932. Some further observations on *Chara fragilis* in relation to mosquito breeding in Queensland. *Ann. Trop. Med. Parasitol.* 26:519-524.
- Hancock, A., and T. Atthey. 1869. On some curious fossil fungi from the black shale of the Northumberland coal-field. *Ann. Mag. Nat. Hist. (Ser. 4)* 4:221-228.

- Hannover, A. 1839. Ueber eine contagiöse Confervenbildung auf dem Wassersalamandern. Arch. Anat. Physiol. Wiss. Med., Jahrgang 1839, pp. 338-347.
- _____. 1842. Fernere Erläuterung der contagiösen Confervenbildung auf Fröschen und Wassersalamandern. Arch. Anat. Physiol. Wiss. Med., Jahrgang 1842, pp.73-83.
- Happich, C. 1900. Vorläufige Mittheilung über eine neue Krankheit der Krebse. Balt. Wochenschr. Landw. Gewerbefl. & Handel 38:528-529.
- Harder, R. 1948. Über das Vorkommen niederer Phycomyceten in deutschen Böden. Nachr. Akad. Wiss. Göttingen, Math.-Phys. Kl., Biol.-Physiol.-Chem. Abt., pp. 5-7.
- _____, and E. Gallwitz-Uebelmesser. 1959. Über niedere Erdphycomyceten Australiens. Archiv Mikrobiol. 32:115-126.
- _____, and I. Persiel. 1962. Notiz über das Vorkommen niederer Erdphycomyceten in der Antarktis. Archiv Mikrobiol. 41:44-50.
- _____, and E. Uebelmesser. 1955. Über marine saprophytische Chytridiales und einige andere Pilze vom meeresboden und Meerestrand. Archiv Mikrobiol. 22:87-114.
- Harding, J. P. 1939. A simple instrument for dissecting minute organisms. J. Roy. Microscop. Soc. London (Ser. 3) 59:19-25.
- Hardy, A. D. 1907. Notes on a peculiar habitat of a chlorophyte, *Myxonema tenue*. J. Roy. Microscop. Soc. London, 1907, pp. 279-281.
- _____. 1910. Association of an alga and a fungus in salmon disease. Proc. Roy. Soc. Victoria (N. S.) 23:27-32. (1911)
- Harkness, H. W., and J. P. Moore. 1880. Catalogue of the Pacific Coast fungi. California Acad. Sci.: San Francisco. 46 pp.
- Härle, A. 1951. Die wichtigsten Krankheiten und Schädlinge an Kulturpflanzen im Jahre 1950 im Bereich der Bundesrepublik Deutschland. Nachrichtenbl. Deutsch. Pflanzenschutzdienstes (Braunschweig) 3:149-157.
- Harper, R. A. 1899. Cell-division in sporangia and asci. Ann. Bot. (London) 13:467-525.
- Harris, J. E., and C. Dennis. 1977. The effect of post-infectious potato tuber metabolites and surfactants on zoospores of Oomycetes. Physiol Pl. Pathol. 11:163-169.

- Harris, P. J., and D. H. Northcote. 1971. Polysaccharide formation in plant Golgi bodies. *Biochim. Biophys. Acta* 237:56-64.
- Harrison, F. C. 1918. Examination of affected salmon, Miramichi Hatchery, New Brunswick. *Contr. Canad. Biol. & Fish., Fish Res. Board Canada, 1917-1918*, pp. 149-168.
- Harrison, J. L., and E. B. G. Jones. 1971. Salinity tolerance of *Saprolegnia parasitica* Coker. *Mycopathol. Mycol. Appl.* 43:297-307.
- _____, and _____. 1974. Patterns of salinity tolerance displayed by the lower fungi. *Veröff. Inst. Meeresf., Bremerhaven, Suppl. 5*, pp. 197-220.
- _____, and _____. 1975. The effect of salinity on sexual and asexual sporulation of members of the Saprolegniaceae. *Trans. Brit. Mycol. Soc.* 65:389-394.
- Harshbarger, T. J., and P. E. Porter. 1979. Survival of brown trout eggs: two planting techniques compared. *Progressive Fish-Culturist* 41:206-209.
- Harter, L. L., W. J. Zaumeyer, and B. L. Wade. 1934. Pea diseases and their control. U. S. D. A. Farmers Bull. No. 1735. 24 pp.
- Hartmann, M. 1931. Relative Sexualität und ihre Bedeutung für eine allgemeine Sexualitäts - und ein allgemeine Befruchtungstheorie. *Naturwissenschaften* 19:8-16, 31-37.
- Hartog, M. [M.]. 1886-87. On the formation and liberation of the zoospores in the Saprolegnieae. *Quart. J. Microscop. Sci. (N. S.)* 27:427-438.
- _____. 1888a. Recent researches on the Saprolegnieae; a critical abstract of Rother's results. *Ann. Bot. (London)* 2:201-216.
- _____. 1888b. Preliminary note on the functions and homologies of the contractile vacuole in plants and animals. *Rep. Brit. Assoc. Advancem. Sci.* pp. 714-716. (1889)
- _____. 1889a. Techniques applicable à l' étude des Saprolegniées. *Bull. Soc. Bot. France* 36:CCVIII-CCIX.
- _____. 1889b. Recherches sur la structure des Saprolegniées. *Compt.-Rend. Hebd. Séances Acad. Sci.* 108:687-689.

- ____. 1890. A monadine parasitic on Saprolegnieae. *Ann. Bot. (London)* 4:337-345. (1889-91)
- ____. 1892. Some problems of reproduction: a comparative study of gametogeny and protoplasmic senescence and rejuvenescence. *Quart. J. Microscop. Soc. (N. S.)* 33:1-79.
- ____. 1895. On the cytology of the vegetative and reproductive organs of the Saprolegnieae. *Trans. Roy. Irish Acad.* 30:649-708.
- ____. 1896. The cytology of *Saprolegnia*. *Ann. Bot. (London)* 10:98-100.
- ____. 1899. The alleged fertilization in the Saprolegnieae. *Ann. Bot. (London)* 13:447-459.
- Harvey, J. V. 1925a. A study of the water molds and Pythiums occurring in the soils of Chapel Hill. Master's thesis, Univ. North Carolina, Chapel Hill. 33 pp.
- ____. 1925b. A study of the water molds and Pythiums occurring in the soils of Chapel Hill. *J. Elisha Mitchell Sci. Soc.* 41:151-164.
- ____. 1927a. *Brevilegnia diclina* n. sp. *J. Elisha Mitchell Sci. Soc.* 42:243-246.
- ____. 1927b. A survey of water molds occurring in the soils of Wisconsin, as studied during the summer of 1926. *Trans. Wisconsin Acad. Sci. Arts, Ltrs.* 23:551-565.
- ____. 1927c. A survey of the water molds occurring in the soils of North Carolina, Wisconsin and Oklahoma. *Proc. Oklahoma Acad. Sci.* 7:135. (1928)
- ____. 1927d. A new species of watermold from Wisconsin. *Proc. Oklahoma Acad. Sci.* 7:136. (1928)
- ____. 1930. A taxonomic and morphological study of some members of the Saprolegniaceae. *J. Elisha Mitchell Sci. Soc.* 45:319-332.
- ____. 1942. A study of western watermolds. *J. Elisha Mitchell Sci. Soc.* 58:16-42.
- ____. 1952. Relationship of aquatic fungi to water pollution. *Sewage & Industr. Wastes* 24:1159-1164.
- Harvey, R., A. G. Lyon, and P. N. Lewis. 1969. A fossil fungus from Rhynie Chert. *Trans. Brit. Mycol. Soc.* 53:155-156.

- Harvey, R. G., D. J. Hagedorn, and R. L. DeLoughery. 1975. Influence of herbicides on root rot in processing peas. *Crop Sci. (Madison)* 15:67-71.
- Harz, C. O. 1906. *Achlya Hoferi* Harz, eine neue Saprolegniacee auf lebenden Fischen. *Allg. Fischerei Zeitung* 31:365-368.
- Hasija, S. K., and S. Batra. 1978. The distribution of *Achlya americana* (Saprolegniales) in different aquatic habitat at Jabalpur, India. *Hydrobiologia* 61:277-279.
- Håstein, T., and O. Gladhaug. 1972. The occurrence of the crayfish plague in Norway and attempts to prevent further spread of the disease. Pp. 181-184. *In* S. A. A. Abrahamsson (Ed.), *Freshwater Crayfish. Proc. 1st Int. Symposium Freshwater Crayfish, Lund, Sweden. (1973)*
- _____, and T. Unestam. 1972. Krepsepest nå i Norge. *Fauna (Oslo)* 25:18-22.
- Hatai, K., and S. Egusa. 1976. Members of the genus *Saprolegnia* associated with fish disease (a review). *Fish Pathol.* 11:45-56.
- _____, and _____. 1977. Studies on visceral [*sic*] mycosis of salmonids fry - II. Characteristics of fungi isolated from the abdominal cavity of amago salmon fry. *Fish Pathol.* 11:187-193.
- _____, _____, and T. Awakura. 1977. *Saprolegnia shikotsuensis* sp. nov. isolated from kokanee salmon associated with fish saprolegniasis. *Fish. Pathol.* 12:105-110.
- _____, _____, and T. Nomura. 1977. *Saprolegnia australis* Elliott isolated from body surface lesions of rainbow trout fingerlings. *Fish Pathol.* 11:201-206.
- _____, _____, S. Takahashi, and K. Ooe. 1977. Study on the pathogenic fungus of mycotic granulomatosis - I. Isolation and pathogenicity of the fungus from cultured-ayu infected with the disease. *Fish Pathol.* 12:129-133.
- Hattingh, J., and K. T. van Warmelo. 1975. The cuticular layer of the skin of certain Cyprinidae. *Zool. Africana* 10:102-103.
- Hauptfleisch, P. 1895. *Astreptonema longispora*, n. gen., n. sp. eine neue Saprolegniacee. *Ber. Deutsch. Bot. Ges.* 13:83-88.
- Hawker, L. E. 1956. Experimental control of form and phase in fungi. *Trans. Brit. Mycol. Soc.* 39:1-12.

- _____. 1957. Ecological factors and the survival of fungi. Pp. 238-258. In R. E. O. Williams and C. C. Spicer (Eds.), *Microbial Ecology*. 7th Symposium Soc. Gen. Microbiol. Cambridge Univ. Press: England.
- Häyrén, E. 1902-03. Verzeichnis einiger in der Nähe von Helsingfors eingesammelten Saprolegniaceen. *Meddeland. Soc. Fauna Fl. Fenn.* 29:165-166. (1904)
- _____. 1927. *Saprolegnia asterophora* De Bary. *Memoranda Soc. Fauna Fl. Fenn.* 4:50. (1928)
- _____. 1930. Über die Pilzvegetation eines Stichlings (*Gasterosteus aculeatus*). *Memoranda Soc. Fauna Fl. Fenn.* 6:121-122. (1929-1931)
- _____. 1942. Über das Zusammenhalten der Schwärmer des zweiten Schwärmstadiums von *Saprolegnia dioica*. *Memoranda Soc. Fauna Fl. Fenn.* 18:89-93. (1943)
- _____. 1943-44. Tvenne anteckningar om Saprolegniaceen i Helsingforstrakten. *Memoranda Soc. Fauna Fl. Fenn.* 20:148-149. (1945)
- _____. 1954. Der Lebenszyklus von *Saprolegnia dioica* de Bary. *Commentat. Biol.* 15:1-45.
- _____. 1955. En för Finland ny vattensvamp, *Leptolegnia caudata*, från Helsingforstrakten. *Memoranda Soc. Fauna Fl. Fenn.* 31:50. (1955-1956)
- _____. 1956. Die in Finnland bisher gefundenen Wasser pilze. *Friesia* 5:264-265.
- Headingron, P. L. A statistical analysis of morphological variability in the genus *Brevilegnia* (Oomycetes). Master's thesis, Ohio State Univ., Columbus, 20 pp.
- Hearth, J. H., and D. E. Padgett. 1990. Salinity tolerance of an *Aphanomyces* isolate (Oomycetes) and its possible relationship to ulcerative mycosis (UM) of Atlantic menhaden. *Mycologia* 82:364-369.
- Heath, I. B. 1969. Structural aspects of the growth and reproduction of *Saprolegnia* spp. Doctoral thesis, Univ. London. 323 pp.
- _____. 1974a. Mitosis in the fungus *Thraustotheca clavata*. *J. Cell. Biol.* 60:204-220.
- _____. 1974b. Centrioles and mitosis in some Oömycetes. *Mycologia* 66:354-359.
- _____. 1974c. Genome separation mechanisms in prokaryotes, algae, and fungi Pp. 487-515. In H. Busch (Ed.), *The Cell Nucleus*, Vol. 2. Academic Press: New York.

- ____. 1975a. The effect of antimicrotubule agents on the growth and ultrastructure of the fungus *Saprolegnia ferax* and their ineffectiveness in disrupting hyphal microtubules. *Protoplasma* 85:147-156.
- ____. 1975b. Colchicine and colcemid binding components of the fungus *Saprolegnia ferax*. *Protoplasma* 85:177-192.
- ____. 1975c. The possible significance of variations in the mitotic systems of the aquatic fungi (Phycomycetes). *BioSystems* 7:351-359.
- ____. 1975d. The role of cytoplasmic microtubules in fungi. Pp. 92-101. *In* T. Hasegawa (Ed.), *Proc. 1st Int. Congr. IAMS, Vol. 2*. Tokyo Univ. Press: Japan.
- ____. 1976. Ultrastructure of freshwater Phycomycetes. Pp. 603-650. *In* E. B. G. Jones (Ed.), *Recent Advances in Aquatic Mycology*. Paul Elek: London.
- ____. 1977. Antimitotic drugs induce tetraploids in the presence of "normal" spindles in the fungus *Saprolegnia*. *Proc. Microscop. Soc. Canada*. 4:52-53.
- ____. 1978a. Experimental studies of mitosis in the fungi. Pp. 89-176. *In* I. B. Heath (Ed.), *Nuclear Division in the Fungi*. Academic Press: New York.
- ____. 1978b. Contributions to the mechanisms of mitosis and roles of cytoplasmic microtubules from ultrastructural analyses of fungi. Pp. 266-267. *In* J. M Sturgess (Ed.), *Electron Microscopy. Vol. 2. Biology. 9th Cong. Electron Microscopy* Toronto, Canada.
- ____. 1980a. Behavior of kinetochores during mitosis in the fungus *Saprolegnia ferax*. *J. Cell. Biol.* 84:531-546.
- ____. 1980b. Apparent absence of chromatin condensation in metaphase nuclei of *Saprolegnia* as revealed by mithramycin staining. *Exp. Mycol.* 4:105-115.
- ____, J. L. Gay, and A. D. Greenwood. 1971. Cell wall formation in the Saprolegniales: cytoplasmic vesicles underlying developing walls. *J. Gen. Microbiol.* 65:225-232.
- ____, and A. D. Greenwood. 1968. Electron microscopic observations of dividing somatic nuclei in *Saprolegnia*. *J. Gen. Microbiol.* 53:287-289.
- ____, and _____. 1970a. Wall formation in the Saprolegniales. II. Formation of cysts by the zoospores of *Saprolegnia* and *Dictyuchus*. *Archiv. Mikrobiol.* 75:67-79.

- ____, and _____. 1970b. The structure and formation of lomasomes. *J. Gen. Microbiol.* 62:129-137.
- ____, and _____. 1970c. Centriole replication and nuclear division in *Saprolegnia*. *J. Gen. Microbiol.* 62:139-148.
- ____, and _____. 1971. Ultrastructural observations on the kinetosomes, and Golgi bodies during the asexual life cycle of *Saprolegnia*. *Z. Zellf. Mikroskop. Anat.* 112:371-389.
- ____, _____, and H. B. Griffiths. 1970. The origin of flimmer in *Saprolegnia*, *Dictyuchus*, *Synura* and *Cryptomonas*. *J. Cell Sci.* 7:445-461.
- ____, and T. Unestam. 1974. Mycoplasma-like structures in the aquatic fungus *Aphanomyces astaci*. *Science* 183:434-435.
- Heimbeck, L. S. 1954. On the etiology of brown roots, yellowing and wilt due to "B type (Dienes) L. (Klieneberger) forms" of bacteria, with special reference to pea wilt. Dreyers Forlag: Oslo. 40 pp.
- Held, A. A. 1972. Improved culture methods for *Rozella* and for *Olpidiopsis*. *Mycologia* 64:871-886.
- _____. 1973. Development of endoparasitic, zoosporic fungi. *Bull. Torrey Bot. Club* 100:203-216.
- _____. 1974. Attraction and attachment of zoospores of the parasitic chytrid *Rozella allomycis* in response to host-dependent factors. *Archives Microbiol.* 95:97-114.
- Hemmi, T., and T. Abe. 1928. An outline of the investigations on the seed- and seedling-rot of rice caused by a watermould, *Achlya proliferata* Nees. *Jap. J. Bot.* 4:113-123. (9129)
- Henderson, R. W., and H. W. Bockstahler. 1946. Reaction of sugar beet strains to *Aphanomyces cochlioides*. *Proc. 4th General Meeting, Amer. Soc. Sugar Beet Technologists, 1946*, pp. 237-245.
- Hendrix, J. W. 1965. Influence of sterols on growth and reproduction of *Pythium* and *Phytophthora* spp. *Phytopathology* 55:790-797.
- _____. 1966. Inability of *Pythium aphanidermatum* and *Phytophthora palmivora* to incorporate acetate into digitonin-precipitable sterols. *Mycologia* 58:307-312.

- _____. 1975. Differential uptake and metabolism of sitosterol and cholesterol by *Achlya*, *Pythium*, and *Phytophthora* species. *Canad. J. Microbiol.* 21:735-737.
- Herman, R. L. 1970. Chemotherapy of fish diseases: a review. *J. Wildlife Dis.* 6:31-34.
- _____. 1972. The principles of therapy in fish diseases. Symposium No. 30, Zool. Soc. London. Academic Press: London, pp. 141-151.
- Herold, F. 1952. Untersuchungen zur Rettichschwärze und zur Biologie ihrer erregers *Aphanomyces raphani* Kendr. in vergleich mit weiteren *Aphanomyces*-Arten. *Phytopathol. Z.* 19:79-125.
- _____. 1964. La raiz negra del rabano, una nueva enfermedad en Venezuela. *Agron. Trop.* (Maracaibo) 13:191-198.
- Herr, L. J. 1971. *In vitro* zoospore production, motility, and germination of *Aphanomyces cochlioides*. *J. Amer. Soc. Sugar Beet Technologists* 16:508-515.
- _____. 1973. Growth of *Aphanomyces cochlioides* in synthetic medium as affected by carbon, nitrogen, methionine, and trace elements. *Canad. J. Bot.* 51:2495-2503.
- _____. 1974. Production of healthy and diseased sugarbeet seedlings for host-pathogen investigations of *Aphanomyces* black root. *Pl. Dis. Reporter* 58:157-160.
- _____. 1975. Histopathology and histochemistry of sugar beet seedlings resistant and susceptible to *Aphanomyces cochlioides*. *Canad. J. Bot.* 53:284-294.
- _____. 1977. Pectolytic activity of *Aphanomyces cochlioides* in culture and diseased sugarbeets. *J. Amer. Soc. Sugar Beet Technologists* 19:219-232.
- Herter, G. 1930-33. *Florula Uruguayensis. Enumeratio plantarum avascularium.* Horti Museique Botanici, Montevideo. 84 pp.
- Hester, F. E. 1973. Fish health: a nationwide survey of problems and needs. *Progressive Fish-Culturist* 35:11-18.
- Hey, D. 1947. The fertility of brown trout eggs at the Jonkershoek Inland Fish Hatchery. *Trans. Amer. Fish. Soc.* 77th Annual Meeting, pp. 65-80.
- Hickman, C. J., and H. H. Ho. 1966. Behaviour of zoospores in plant-pathogenic Phycomycetes. *Annual Rev. Phytopathol.* 4:195-220.

- Hidalgo-Quimio, T. Z. 1965. The host range and host-parasite relationship of the chytrid *Dictyomorpha* within the Saprolegniaceae. *Philipp. Agric.* 49:95-104.
- Hildebrand, A. A., and L. W. Koch. 1943. Studies on blackroot of sugar beet seedlings. *Sci. Agric. (Canada)* 23:557-567.
- _____, W. E. McKeen, and L. W. Koch. 1949. Row treatment of soil with tetramethylthiuram disulfide for control of blackroot of sugar-beet seedlings. I. Greenhouse tests. *Canad. J. Res. Sect. C, Bot. Sci.* 27:23-43.
- _____, _____, and _____. 1950. Continued greenhouse experiments in row treatment of soil for control of blackroot of sugar beet seedlings. *Proc. 6th General Meeting, Amer. Soc. Sugar Beet Technologists, 1950*, pp. 509-514. (1951)
- Hildebrand, F. 1867-68. Mykologische Beiträge. I. Ueber einige neue Saprolegnieen. *Jahrb. Wiss. Bot.* 6:249-269.
- Hilgendorf, F. 1884. Zur Krebspest. *Circ. Deutsch. Fischerei-Vereins, Jahre 1884*, pp. 123-125. (1885)
- Hill, T. W. and J. T. Mullins. 1979a. Hyphal tip growth in *Achlya*: enzyme activities in mycelium and medium. *Canad. J. Bot.* 57:2145-2149.
- _____, and _____. 1979b. Association of latent cellulase activity with a membrane fraction from vegetative hyphae of *Achlya*. *Mycologia* 71:1227-1239.
- _____, and _____. 1980a. Hyphal tip growth in *Achlya*. I. Cytoplasmic organization. *Canad. J. Microbiol.* 26:1132-1140.
- _____, and _____. 1980b. Hyphal tip growth in *Achlya*. II. Subcellular localization of cellulase and associated enzymes. *Canad. J. Microbiol.* 26:1141-1146.
- Hills, F. J. 1962. Uptake, translocation, and chemotherapeutic effect of p-dimethylaminobenzenediazo sodium sulfonate (Dexon) in sugar beet seedlings. *Phytopathology* 52:389-392.
- _____, and L. D. Leach. 1952. The effect of certain soil-row treatments on damping-off of sugar beet seedlings caused by specific fungi. *Proc. 7th General Meeting, Amer. Soc. Sugar Beet Technologists, 1952*, pp. 549-553.
- Hine, F. B. 1878. Observations on several forms of Saprolegnieae. *Amer. Quart. Microscop. J.* 1:18-28, 136-146.

- Ho, H. H. 1975a. Observations on the behavior of zoospores of a *Saprolegnia* species. *Mycologia* 67:425-428.
- _____. 1975b. A selective medium for the isolation of *Saprolegnia* spp. from freshwater. *Canad. J. Microbiol.* 21:1126-1128.
- _____. 1975c. Seasonal isolation of Saprolegniaceae propagules from a river system. *Nova Hedwigia* 26:461-464.
- _____. 1978. Hyphal branching systems in *Phytophthora* and other Phycomycetes. *Mycopathologia* 64:83-86.
- _____, C. J. Hickman, and R. W. Telford. 1968. The morphology of zoospores of *Phytophthora megasperma* var. *sojae* and other Phycomycetes. *Canad. J. Bot.* 46:88-89.
- Hoch, H. C. 1972. The ultrastructure and water relations of *Aphanomyces euteiches* during zoosporogenesis. Doctoral thesis, Univ. Wisconsin, Madison. 94 pp.
- _____, and J. E. Mitchell. 1972a. The ultrastructure of *Aphanomyces euteiches* during asexual spore formation. *Phytopathology* 62:149-160.
- _____, and _____. 1972b. The ultrastructure of zoospores of *Aphanomyces euteiches* and their encystment and subsequent germination. *Protoplasma* 75:113-138.
- _____, and _____. 1972c. A continuous flow system for inducing and observing asexual spore formation in *Aphanomyces euteiches*. *Canad. J. Bot.* 50:681-682.
- _____, and _____. 1973. The effects of water potentials on *Aphanomyces euteiches* during zoosporogenesis. *Canad. J. Bot.* 51:413-420.
- Hodkinson, M. 1976. Interactions between aquatic fungi and DDT. Pp. 447-467. In E. B. G. Jones (Ed.), *Recent Advances in Aquatic Mycology*. Paul Elek: London.
- _____, and S. A. Dalton, 1973. Interactions between DDT and river fungi: II. Influence of culture conditions on the compatibility of fungi, and p, p'-DDT. *Bull. Environ. Contam. & Toxicol.* 10:356-359.
- Hodkinson, M., and A. Hunter. 1970a. Immune response of U. D. N.-infected salmon to *Saprolegnia*. *J. Fish Biol.* 2:305-311.
- _____, and _____. 1970b. Growth control of *Saprolegnia* from UDN-infected Atlantic salmon *Salmo salar* L. *J. Fish Biol.* 3:245-248.

- ____, and _____. 1971. The effects of culture media on *Saprolegnia* antigens. Mycopath. Mycol. Appl. 43:347-353.
- ____, and _____. 1974. The influence of culture conditions on the antigenic products of *Saprolegnia*. Mycopath. Mycol. Appl. 52:133-140.
- Hofer, B. 1906. Handbuch der Fischkrankheiten. 2 Aufl. E. Schweizerhartsche Verlagsbuchhandlung; Stuttgart. 359 pp.
- Hoffman, G. L. 1949. Isolation of *Saprolegnia* and *Achlya* with penicillin-streptomycin, and attempts to infect fish. Progressive Fish Cult. 11:171-174.
- _____. 1963. Parasites of freshwater fish. I. Fungi. 1. Fungi (*Saprolegnia* and relatives) of fish and fish eggs. U. S. Dept. Interior, Bur. Sport Fish. & Wildlife, Fish. Leaflet No. 654. 6 pp.
- _____. 1967. Parasites of North American freshwater fishes. Univ. California Press, Berkeley. 486 pp.
- _____. 1976. Fish diseases and parasites in relation to the environment. Fish Pathol. 10:123-128.
- _____, and F. P. Meyer. 1974. Parasites of Freshwater Fishes, a Review of Their Treatment and Control. T. F. H. Publ.: Neptune City, New Jersey. 224 pp.
- Hoffman, H. 1867. Ueber *Saprolegnia* und *Mucor*. Bot. Zeitung (Berlin) 25:345-348, 353-356.
- Höhnk, W. 1932. A new parasitic *Pythium*. Mycologia 24:489-507.
- _____. 1933. Polyplanetism and zoöspore germination in Saprolegniaceae and *Pythium*. Amer. J. Bot. 20:45-62.
- _____. 1935a. Saprolegniales und Monoblepharidales aus der Umgebung Bremens, mit besonderer Berücksichtigung der Oekologie der Saprolegniaceae. Abh. Naturwiss. Vereine Bremen 29:207-237.
- _____. 1935b. Zur cytology der Oogon- und Eientwicklung by *Saprolegnia ferax* (Gruith) Thuret. Abh. Naturwiss. Vereine Bremen 29:308-323.
- _____. 1939. Ein Beitrag zur Kenntnis der Phycomyceten des Brackwassers. Kieler Meeresf. 3:337-361.

- ____. 1952a. Die in Nordwestdeutschland gefundenen ufer- und boden bewohnenden *Saprolegniaceae*. Veröff. Inst. Meeresf. Bremerhaven 1:52-90.
- ____. 1952b. Nachtrag zu: Die in Nordwestdeutschland gefundenen ufer- und boden bewohnenden *Saprolegniaceae*. Veröff. Inst. Meeresf. Bremerhaven 1:126-128.
- ____. 1952c. Studien zur Brack- und Seewasser-mykologie. I. Veröff. Inst. Meeresf. Bremerhaven 1:115-125.
- ____. 1952d. Studien zur Brack- und Seewassermykologie II. Oomycetes: Erster Teil. Veröff. Inst. Meeresf. Bremerhaven 1:247-278.
- ____. 1953a. Studien zur Brack- und Seewassermykologie III. Oomycetes: Zweiter Teil. Veröff. Inst. Meeresf. Bremerhaven 2:52-108.
- ____. 1953b. Eine neue uferbewohnende Saprolegniacee: *Calyptralegnia ripariensis* nov. spec. Veröff. Inst. Meeresf. Bremerhaven 2:230-235.
- ____. 1953c. Mykologische Studien im Brack- und Seewasser. Atti del VI Congr. Int. Microbiol. (Rome) 7:374-378.
- ____. 1954. Von den Mikropilzen in Watt und Meer. Abh. Naturwiss. Vereine Bremen 33:407-429.
- ____. 1956a. Mykologische Abwasserstudie I. Veröff. Inst. Meeresf. Bremerhaven 4:67-110.
- ____. 1956b. Studien zur Brack- und Seewassermykologie VI. Über die pilzliche Besiedlung verschieden salziger submerser Standorte. Veröff. Inst. Meeresf. Bremerhaven 4:195-213.
- ____. 1957a. Über Wuchsformen bei den Saprolegniaceen. Veröff. Inst. Meeresf. Bremerhaven 5:124-134.
- ____. 1957b. Fortschritte der marinen Mykologie in jüngster Zeit. Naturwiss. Rundschau (Stuttgart), Part 2, pp. 39-44.
- ____. 1958. Mykologische Abwasserstudie II. Veröff. Inst. Meeresf. Bremerhaven 5:211-256.

- _____. 1960. Mykologische Notizen. II. Phycomyceten von Island und Grönland. III. Phycomyceten von der Insel Strömö (Färöer). Veröff. Inst. Meeresf. Bremerhaven 7:63-69.
- _____. 1961. A further contribution to the oceanic mycology. Rapp. Procès-Verbaux Int. Cous. Explor. Mer. 149:202-208.
- _____. 1962. Über die Phycomyceten der Insel Madeira. Veröff. Inst. Meeresf. Bremerhaven 8:99-108.
- _____. 1967. Über die submersen Pilze an der rumänischen Schwarzmeerküste nahe Constanza. Veröff. Inst. Meeresf. Bremerhaven 10:149-158.
- _____. 1968. Zur Entfaltung der marinen Mykologie. Ber. Deutsch. Bot. Ges. 81:380-390.
- _____. 1969. Über den pilzlichen Befall kalkiger Hartteile von Meerestieren. Ber. Deutsch. Wiss. Komm. Meeresf. 20:129-140.
- _____, and K. J. Bock. 1954. Ein Beitrag zur Ökologie der saprophytischen Wasserpilze. Veröff. Inst. Meeresf. Bremerhaven 3:9-26.
- _____, and S. Vallin. 1953. Epidemisches Absterben von *Eurytemora* im Bottnischen Meerbusen, verursacht durch *Leptolegnia baltica* nov. spec. Veröff. Inst. Meeresf. Bremerhaven 2:215-223.
- Holder, C. F. 1908. Methods of combating fungus disease on fishes in captivity. Bull. Bur. Fish. 28:933-936. (1910)
- Holland, M. M. 1958. A preliminary survey of the fungus flora of caves. 1. Aquatic Phycomycetes. Master's thesis, Virginia Polytechnic Institute, Blacksburg. 50 pp.
- Holloway, S. A., and I. B. Heath. 1974. Observations on the mechanism of flagellar retraction in *Saprolegnia terrestris*. Canad. J. Bot. 52:939-942.
- _____, and _____. 1977a. Morphogenesis and the role of microtubules in synchronous populations of *Saprolegnia* zoospores. Exp. Mycol. 1:9-29.
- _____, and _____. 1977b. An ultrastructural analysis of the changes in organelle arrangement and structure between the various spore types of *Saprolegnia*. Canad. J. Bot. 55:1328-1339.
- Hopkins, E. W. 1929. Microchemical tests on the cell walls of certain fungi. Cellulose and chitin. Trans. Wisconsin Acad. Sci., Arts, Ltrs. 24:187-196.

- Horgen, P. A. 1977a. Steroid induction of differentiation: *Achlya* as a model system. Pp. 272-293. In D. H. O'Day and P. Horgen (Eds.), *Eucaryotic Microbes as Model Developmental Systems*. Marcel Dekker: New York.
- _____. 1977b. Cytosol-hormone stimulation of transcription in the aquatic fungus *Achlya ambisexualis*. *Biochem. Biophys. Res. Commun.* 75:1022-1028.
- _____, J. F. Ammirati, and H. D. Thiers. 1976. Occurrence of amatoxins in *Amanita ocreata*. *Lloydia* 39:368-371.
- _____, and S. F. Ball. 1974. Nuclear protein acetylation during hormone-induced sexual differentiation in *Achlya ambisexualis*. *Cytobios* 10:181-185.
- _____, R. T. Nagao, L. S. Y. Chia, and J. L. Key. 1973. Basic nuclear proteins in the Oömycete fungus *Achlya bisexualis*. *Archiv Mikrobiol.* 94:249-258.
- _____, and D. H. O'Day. 1975. The developmental patterns of lysosomal enzyme activities during Ca⁺⁺- induced sporangium formation in *Achlya bisexualis*. II. α -Mannosidase. *Archives Microbiol.* 102:9-12.
- _____, and J. C. Silver. 1978. Chromatin in eukaryotic microbes. *Annual Rev. Microbiol.* 32:249-284.
- _____, R. J. Smith, and J. C. Silver. 1975. The biosynthesis of ribosomal RNA in the aquatic fungus, *Achlya ambisexualis*. *Cytobios* 13:193-199.
- _____, _____, _____, and G. Craig. 1975. Hormonal stimulation of ribosomal RNA synthesis in *Achlya ambisexualis*. *Canad. J. Biochem.* 53:1341-1345.
- _____, A. C. Vaisius, and J. Ammirati. 1978. The insensitivity of mushroom nuclear RNA polymerase activity to inhibition by amatoxin. *Archives Microbiol.* 118:317-319.
- Horn, L. 1904. Experimentelle Entwicklungsänderungen bei *Achlya polyandra* de Bary. *Ann. Mycol.* 2:207-241.
- Horowitz, D. K., and P. J. Russell. 1974. Hormone-induced differentiation of antheridial branches in *Achlya ambisexualis*: dependence on ribonucleic acid synthesis. *Canad. J. Microbiol.* 20:977-980.
- Horton, E. S. 1921. Observations on the morphology of *Aplanes* sp. de Bary. Master's thesis, Univ. Wisconsin: Madison. 30 pp.

- Hosford, R. M., Jr. 1961. *Aphanomyces raphani* Kendrick in radishes in Oregon. Pl. Dis. Reporter 45:482.
- Hoshina, T. 1963. Recent studies on fish diseases with special emphasis on fungus diseases. Fish Propag., Special Rep. No. 3, 16pp.
- _____, and M. Ookubo. 1956. On a fungi-disease of eel. J. Tokyo Univ. Fish. 42:1-13.
- _____, T. Sano, and M. Sunayama. 1960. Studies on the saprolegniosis of eel. J. Tokyo Univ. Fish. 47:59-79.
- _____, _____, _____, and I. Nakano. 1958. Studies on the control of the aquatic fungi occurring on the eggs of pond smelt, *Hypomesus olidus* (Pallas). Fish. Promotive Stat., Ibaraki-ken, Rep. No. 3, pp. 35-44.
- Howard, K. L. 1971. Oöspore types in the Saprolegniaceae. Mycologia 63:679-686.
- _____, and T. W. Johnson, Jr. 1969. Aquatic fungi of Iceland: some filamentous, eucarpic, and holocarpic species. Mycologia 61:496-510.
- _____, and R. T. Moore. 1970. Ultrastructure of oogenesis in *Saprolegnia terrestris*. Bot. Gaz. (Crawfordsville) 131:311-336.
- _____, R. Seymour, and T. W. Johnson, Jr. 1970. Aquatic fungi of Iceland: Saprolegniaceae. J. Elisha Mitchell Sci. Soc. 86:63-79.
- Hubschman, J. H., and J. A. Schmitt. 1969. Primary mycosis in shrimp larvae. J. Invertebrate Pathol. 13:351-357.
- Hudspeth, M. E. S., W. E. Timberlake, and R. B. Goldberg. 1977. DNA sequence organization in the water mold *Achlya*. Proc. Natl. Acad. Sci. U.S.A. 74:4332-4336.
- Hughes, G. C. [III]. 1959. The Saprolegniaceae of Clinch County, Georgia. Bull. Georgia Acad. Sci. 17:88-93.
- _____. 1962. Seasonal periodicity of the Saprolegniaceae in the south-eastern United States. Trans. Brit. Mycol. Soc. 45:519-531.
- _____. 1971a. Phycomycetes, Basidiomycetes, and Ascomycetes as Fungi Imperfecti. Pp. 7-33. In B. Kendrick (Ed.), Taxonomy of Fungi Imperfecti. Univ. Toronto Press: Canada.

- _____. 1971b. Percurrent proliferations in fungi, algae, and mosses. *Canad. J. Bot.* 49:215-231.
- Huizar, H. E. 1978. An ultrastructural study of the development of *Achlya recurva* oogonia. Master's thesis, Univ. Texas, El Paso. 105 pp.
- Hull, R. 1976. Research on the sugar-beet crop. *Ann. Appl. Biol.* 82:1-10.
- Humaydan, H. S., and P. H. Williams. 1975. Additional cruciferous hosts of *Aphanomyces raphani*. *Pl. Dis. Reporter* 59:113-116.
- _____, and _____. 1978. Factors affecting *in vitro* growth and zoospore production in *Aphanomyces raphani*. *Phytopathology* 68:377-381.
- _____, _____, B. J. Jacobsen, and H. L. Bissonnette. 1976. Resistance in radish to *Aphanomyces raphani* and *Rhizoctonia solani*. *Pl. dis. Reporter* 60:156-160.
- Humphrey, J. E. 1890. Notes on techniques. I. *Bot. Gaz. (Crawfordsville)* 15:168-171.
- _____. 1891. Notes on techniques. II. *Bot. Gaz. (Crawfordsville)* 16:71-73.
- _____. 1893. The Saprolegniaceae of the United States, with notes on other species. *Trans. Amer. Phil. Soc. (N. S.)* 17:63-148.
- Huneycutt, M. B. 1948. Keratinophilic Phycomycetes. I. A new genus of the Saprolegniaceae. *J. Elisha Mitchell Sci. Soc.* 64:277-285.
- _____. 1952. A new water mold on keratinized materials. *J. Elisha Mitchell Sci. Soc.* 68:109-112.
- _____. 1955. Studies on the morphology, taxonomy, and physiology of some lower aquatic Phycomycetes, especially keratinophilic forms. Doctoral thesis, Univ. North Carolina, Chapel Hill. 73 pp.
- Hunsley, D., and J. H. Burnett. 1970. The ultrastructural architecture of the walls of some hyphal fungi. *J. Gen. Microbiol.* 62:203-218.
- Hunter, R. E. 1975. Water moulds of the river Great Ouse and its tributaries. *Trans. Brit. Mycol. Soc.* 65:101-108.
- Huntsman, A. G. 1918. Report on affected salmon in the Miramichi River, New Brunswick. *Contr. Canad. Biol. & Fish., Fish. Res. Board Canada* 1917-1918, pp.169-173.

- Hutchinson, S. A. 1967. Some effects of volatile fungal metabolites on the gametophytes of *Pteridium aquilinum*. Trans. Brit. Mycol. Soc. 50:285-288.
- Hutchison, D. L. 1940. Studies on some aquatic Phycomycetes. Master's thesis, Vanderbilt Univ., Nashville, Tennessee. 24 pp.
- Hütter, R., and J. A. DeMoss. 1967. Organization of the tryptophan pathway: a phylogenetic study of the fungi. J. Bacteriol. 94:1896-1907.
- Hutton, D. G. and R. G. O'Brien. 1986. *Aphanomyces cochlioides* Drechsler, a cause of root rot of beet root in Queensland. Australas. Pl. Pathol. 15:64-65.
- Huxley, T. H. 1882a. A contribution to the pathology of the epidemic known as the "salmon disease." Proc. Roy. Soc. London 33:381-389.
- _____. 1882b. The salmon disease. Nature 25:437-440.
- Hwang, S.-W. 1960. Effects of ultra-low temperatures on the viability of selected fungus strains. Mycologia 52:527-529.
- _____. 1966. Long-term preservation of fungus cultures with liquid nitrogen refrigeration. Appl. Microbiol. 14:784-788.
- _____. 1968. Investigation on ultra-low temperature for fungal cultures. I. An evaluation of liquid-nitrogen storage for preservation of selected fungal cultures. Mycologia 60:613-621.
- _____, and A. Howells. 1968. Investigation of ultra-low temperature for fungal cultures. II. Cryoprotection afforded by glycerol and dimethyl sulfoxide to 8 selected fungal cultures. Mycologia 60:622-626.