

## Theses resulting from work at the University Field Station (Delta Marsh)



- Hominick, William M.** 1969. Synchronization of life cycles of three new mermithids (Nematoda) with their Chironomid (Diptera) hosts and some observations on the pathology of the infections. M.Sc. thesis, Department of Zoology, University of Manitoba, 102 pp.
- Fenton, Mark M.** 1970. The Pleistocene stratigraphy and surficial geology of the Assiniboine River to Lake Manitoba area, Manitoba. M.Sc. thesis, Department of Earth Sciences, University of Manitoba. 121 pp.
- Hlynka, Leo J.** 1970. Helminths in *Rana pipiens* Schreber, and *Bufo hemiophrys* Cope, from the Delta Marshes, Manitoba. M.Sc. thesis, Department of Zoology, University of Manitoba. 110 pp.
- Acere, Thaddaeus O.** 1971. The application of certain techniques of fisheries statistics to an isolated population of Brook Sticklebacks (*Culaea inconstans*) at Delta Marsh, Manitoba. M.Sc. thesis, Department of Zoology, University of Manitoba. 94 pp.
- McNicholl, Martin K.** 1971. The breeding biology and ecology of Forster's Tern (*Sterna forsteri*) at Delta, Manitoba. M.Sc. thesis, Department of Zoology, University of Manitoba. 652 pp.
- Bernard, Donald J.** 1972. Ecological divergence between Emerald and Spottail Shiners (*Notropis*) in Lake Manitoba. M.Sc. thesis, Department of Zoology, University of Manitoba. 97 pp.
- Brown, Dennis J.** 1972. Primary production and seasonal succession of the phytoplankton component of Crescent Pond, Delta Marsh, Manitoba. M.Sc. thesis, Department of Botany, University of Manitoba. 126 pp.
- Kennedy, Edmund** 1972. The ultrastructure of the body wall of the waterfowl parasite (*Echinuria uncinata*) (Rudolphi 1819) Soloviev 1912 (Nematoda: Spiruridae). M.Sc. thesis, Department of Zoology, University of Manitoba. 163 pp.
- Quaye, Martey O.** 1972. The taxonomy of the lung-worm *Rhabdias* Stiles and Hassall, 1905 (Nematoda), parasitic in *Bufo hemiophrys* Cope and *Rana pipiens* Schreber and the interspecific relationship of helminths in the lungs of these amphibians. M.Sc. thesis, Department of Zoology, University of Manitoba. 93 pp.
- Sproule, Thomas A.** 1972. A paleoecological investigation into the post-glacial history of Delta Marsh, Manitoba. M.Sc. thesis, Department of Botany, University of Manitoba. 49 pp.
- Macaulay, Alexander J.** 1973. Taxonomic and ecological relationships of *Scirpus acutus* Muhl. and *S. validus* Vahl. (Cyperaceae) in southern Manitoba. Ph.D. thesis, Department of Botany, University of Manitoba. 213 pp.
- Eddy, Susan B.** 1976. Population ecology of the Leopard Frog, *Rana pipiens pipiens* Schreber at Delta Marsh, Manitoba. M.Sc. thesis, Department of Zoology, University of Manitoba. 84 pp.
- Girman, Glenn R.** 1976. The effects of a number of herbicides upon photosynthesis and heterotrophy of naturally occurring algal and bacterial communities in Delta Marsh, Manitoba. M.Sc. thesis, Department of Botany, University of Manitoba. 180 pp.
- Mutch, Graham R. P.** 1976. Aspects of winter dormancy in the striped skunk (*Mephitis mephitis*). M.Sc. thesis, Department of Zoology, University of Manitoba. 89 pp.
- Phillips, S. Floyd** 1976. The relationship between evapotranspiration by *Phragmites communis* Trin. and water table fluctuations in Delta Marsh, Manitoba. Ph.D. thesis, Department of Botany, University of Manitoba. 167 pp.
- Cosens, Susan E.** 1977. Development and structure of calls in young American Coots (*Fulica americana*). M.Sc. thesis, Department of Zoology, University of Manitoba. 132 pp.
- Hood, Deborah E.** 1977. A study of the parasites, nest fauna and selected endocrine parameters of the Red-winged Blackbird *Agelaius phoeniceus* L. M.Sc. thesis, Department of Zoology, University of Manitoba. 239 pp.
- MacArthur, Robert A.** 1977. Behavioral and physiological aspects of temperature regulation in the muskrat (*Ondatra zibethicus*). Ph.D. thesis, Department of Zoology, University of Manitoba. 168 pp.
- McKenzie, Christopher E.** 1977. The parasite fauna of the muskrat *Ondatra zibethica* (Linnaeus 1766) Miller 1912, in Manitoba. M.Sc. thesis, Department of Zoology, University of Manitoba. 86 pp.
- Pip, Eva** 1977. A study of aquatic plant-snail associations. Ph.D. thesis, Department of Botany, University of Manitoba. 503 pp.
- Busby, Daniel G.** 1978. Feeding ecology of a dense population of nesting Yellow Warblers. M.Sc. thesis, Department of Zoology, University of Manitoba. 62 pp.

- Goossen, J. Paul** 1978. Breeding biology and reproductive success of the Yellow Warbler on the Delta Beach Ridge, Manitoba. M.Sc. thesis, Department of Zoology, University of Manitoba. 81 pp.
- Hooper-Reid, Nina M.** 1978. Primary productivity, standing crop and seasonal dynamics of epiphytic algae in a southern Manitoba marsh pond. Ph.D. thesis, Department of Botany, University of Manitoba. 143 pp.
- Rayner, Marilyn R.** 1978. Some aspects of the ecology and management of *Chenopodium rubrum* L. in the Delta Marsh, Manitoba. M.Sc. thesis, Department of Botany, University of Manitoba. 86 pp.
- Kgoroba, Kgeledi George** 1979. A study of the seasonal population dynamics of the ticks *Dermacentor variabilis* (Say) and *Haemaphysalis leporispalustris* (Packard) in a marshland habitat. M.Sc. thesis, Department of Zoology, University of Manitoba. 203 pp.
- MacKenzie, David I.** 1979. Nest site selection and co-existence in Eastern and Western Kingbirds at Delta Marsh, Manitoba. M.Sc. thesis, Department of Zoology, University of Manitoba. 116 pp.
- Anderson, Maria J. P.** 1980. Seasonal changes in mass and composition of brown and white adipose tissues and in the pattern of growth of *Clethrionomys gapperi* and *Microtus pennsylvanicus*. Department of Zoology, University of Manitoba. 138 pp.
- Biermann, Gloria C.** 1980. Parental care, growth rates and pre-fledging condition of Yellow Warbler nestlings in different brood sizes. M.Sc. thesis, Department of Zoology, University of Manitoba. 84 pp.
- Gamble, R. Lloyd** 1980. The ecology and distribution of *Mustela frenata longicauda* Bonaparte and its relationships to other *Mustela* spp. in sympatry. M.Sc. thesis, Department of Zoology, University of Manitoba. 165 pp.
- Garrod, Roger C.** 1980. A primary survey of some factors related to the distribution of *Potamogeton perfoliatus* L. ssp. *richardsonii* (Benn.) Hulten in Delta Marsh, Manitoba. B.Sc. Honours thesis, Department of Botany, University of Manitoba. 94 pp.
- Last, William M.** 1980. Sedimentology and post-glacial history of Lake Manitoba. Ph.D. thesis, Department of Earth Sciences, University of Manitoba. 687 pp.
- Putt, Mary** 1981. An investigation of the effects of light on epiphytic algae growing on artificial substrates. B.Sc. Honours thesis, Department of Botany, University of Manitoba. 45 pp.
- Thompson, Donald J.** 1981. Effects of fire on *Phragmites australis* (Cav.) Trin. ex Steudel and associated species at Delta Marsh, Manitoba. M.Sc. thesis, Department of Botany, University of Manitoba. 199 pp.
- Zbigniewicz, Maria W.** 1981. A comparison of the vegetation at the north end of the Assiniboine Diversion with that of the adjacent marsh. B.Sc. Honours thesis, Department of Botany, University of Manitoba. 95 pp.
- Yaremchuk, Gerald** 1981. The effects of exposure to predation on mean vertebral and fin ray counts in the fathead minnow (*Pimephales promelas*). M.Sc. thesis, Department of Zoology, University of Manitoba. 72 pp.
- Cosens, Susan E.** 1984. Sources of selection on avian songs and singing behaviour in marsh and grassland habitats. Ph.D. thesis, Department of Zoology, University of Toronto. 133 pp.
- Kruszynski, Gwenn M.** 1984. A description of short term colonization of artificial substrata by periphytic diatoms in the Delta Marsh, Manitoba. B.Sc. Honours thesis, Department of Botany, University of Manitoba. ## pp.
- Suthers, Iain M.** 1984. Role of dissolved oxygen in limiting diel and summer distribution of yellow perch in a prairie marsh. M.Sc. thesis, Department of Zoology, University of Manitoba. 84 pp.
- Wong, Pooi Leng** 1984. Taxonomic revision of the sub-family Schistorophinae (Nematoda: Acuarioidea) and its North American distribution in waders belonging to the families Charadriidae, Scolopacidae and Recurvirostridae (Aves). M.Sc. thesis, Department of Biology, Lakehead University. 153 pp.
- Briskie, James V.** 1985. Growth and parental feeding of Least Flycatchers in relation to brood size, hatching order and prey availability. M.Sc. thesis, Department of Zoology, University of Manitoba. 115 pp.
- Goldsborough, L. Gordon** 1985. Effects of two triazine herbicides on the structure and metabolism of freshwater marsh periphyton. Ph.D. thesis, Department of Botany, University of Manitoba. 289 pp.
- Guinan, Daniel M.** 1985. The diet and foraging behaviour of House Wrens (*Troglodytes aedon*) and the abundance of the invertebrate prey. M.Sc. thesis, Department of Zoology, University of Manitoba. 84 pp.
- Muhsin, Tawfik** 1985. Studies on fungi associated with halophytes from Delta Marsh, Manitoba. Ph.D. thesis, Department of Botany, University of Manitoba, 318 pp.

## Theses

- Beaver, Barbara** 1986. Bouyancy regulation by sticklebacks in marsh and lake environments. M.Sc. thesis, Department of Zoology, University of Manitoba. 68 pp.
- Leonard, Marty L.** 1986. Female choice and the evolution of polygyny in the Marsh Wren (*Cistothorus palustris*). Ph.D. thesis, Department of Biology, University of Ottawa. ## pp.
- de Geus, Petronella M. J.** 1987. Vegetation changes in the Delta Marsh, Manitoba between 1948-1980. M.Sc. thesis, Department of Botany, University of Manitoba. 95 pp.
- Horn, Andrew G.** 1987. Repertoires and song switching in Western Meadowlarks (*Sturnella neglecta*). Ph.D. thesis, Department of Zoology, University of Toronto. ## pp.
- Sutherland, Dawn L.** 1987. Age-related reproductive success in the Yellow Warbler (*Dendroica petechia*). M.Sc. thesis, Department of Zoology, University of Manitoba. 92 pp.
- Gurney, Sharon E.** 1988. Investigations of the effects of two triazine herbicides on periphytic algal communities in the Delta Marsh, Manitoba. M.Sc. thesis, Department of Botany, University of Manitoba. 117 pp.
- Hobson, Keith A.** 1988. Protection of genetic parentage in the Yellow Warbler (*Dendroica petechia*). M.Sc. thesis, Department of Zoology, University of Manitoba. 125 pp.
- Isabelle, Andre** 1988. The role of predation in the adaptive value of coloniality and polygyny in the Yellow-headed Blackbird (*Xanthocephalus xanthocephalus*). Department of Biology, University of Ottawa. 89 pp.
- McIlraith, Alexander L.** 1988. Life history strategies of two Lemnaceae, *Lemna minor* and *L. trisulca* at Delta Marsh, Manitoba. M.Sc. thesis, Department of Botany, University of Manitoba. 79 pp.
- Pohajdak, Gloria C.** 1988. Feeding guilds, diets and foraging behavior of insectivorous passerines in a riparian habitat in Manitoba. Ph.D. thesis, Department of Zoology, University of Manitoba. 220 pp.
- Wilner, Eduardo M.** 1988. Apportionment of parental investment in breeding American Robins. M.Sc. thesis, Department of Zoology, University of Manitoba. 85 pp.
- Kapinga, Margaret R.M.** 1989. Observations on the growth and motile behavior of the colonial diatom *Bacillaria paradoxa* in culture. M.Sc. thesis, Department of Botany, University of Manitoba. 105 pp.
- Kruszynski, Gwenn M.** 1989. Investigations into the existence of associations within benthic diatom communities. M.Sc. thesis, Department of Botany, University of Manitoba. 97 pp.
- Waters, Isobel** 1989. The ecology of *Typha glauca* Godr.: field studies along a water depth gradient. Ph.D. thesis, Department of Botany, University of Manitoba. 217 pp.
- Briskie, James V.** 1990. Behavioural and anatomical correlates of sperm competition in birds. Ph.D. thesis, Department of Biology, Queen's University. ## pp.
- Kotak, Brian G.** 1990. The effects of water turbulence on the limnology of a shallow prairie wetland. M.Sc. thesis, Department of Botany, University of Manitoba. 111 pp.
- Barber, Colleen A.** 1991. Egg and clutch size in relation to brood reduction in the Yellow-Headed Blackbird. M.Sc. thesis, Department of Zoology, University of Manitoba. 57 pp.
- Bazin, Ronald C.** 1991. Defences against brood parasitism in the Eastern Kingbird. M.Sc. thesis, Department of Zoology, University of Manitoba. 67 pp.
- Hébert, Percy N.** 1991. The relative importance of brood reduction, predation and parental investment in the evolution of hatching asynchrony in Yellow Warblers (*Dendroica petechia*). Ph.D. thesis, Department of Zoology, University of Manitoba. 139 pp.
- Koehler, Catherine E.** 1991. The reproductive ecology of the hoary bat (*Lasiurus cinereus*) and its relationship to litter size variation in vespertilionid bats. M.Sc. thesis, Department of Biological Sciences, University of Calgary. ## pp.
- Neudorf, Diane L.** 1991. Nest defense in four host species of the Brown-Headed Cowbird (*Molothrus ater*). M.Sc. thesis, Department of Zoology, University of Manitoba. 92 pp.
- Straszynski, Elizabeth** 1991. Sexual selection in Notostraca: the origin of aggression and advantages of plasticity in ephemeral habitats. M.Sc. thesis. Department of Watershed Ecosystems, Trent University. 127 pp.
- Hill, Dorothy P.** 1992. An experimental study of nest desertion by the Clay-coloured Sparrow (*Spizella tallida*) in response to Cowbird parasitism. M.Sc. thesis, Department of Zoology, University of Manitoba, 51 pp.

- Richmond, Kelly-Anne** 1992. A comparison of photosynthesis of metaphyton in eutrophic littoral waters with that of an acidified lake. B.Sc. Honours thesis, Department of Botany, University of Manitoba. 42 pp.
- Forster, Michael J.** 1993. Manipulation of invertebrate community size-structure and responses of periphyton biomass. B.Sc. Honours thesis. Department of Zoology, Brandon University. 65 pp.
- Gifford, Marlene M.** 1993. Inter- and intraclutch egg variation in Eastern Kingbirds (*Tyrannus tyrannus*): a test of Kingbirds' ability to recognize foreign eggs. M.Sc. thesis, Department of Zoology, University of Manitoba, 106 pp.
- Miller, Paul** 1993. Molecular genetic analysis of a Brown-headed Cowbird population. M.Sc. thesis, Department of Biology, McMaster University. 85 pp.
- Gill, Sharon A.** 1995. Information transfer, function, and evolution of Yellow Warbler alarm calls. M.Sc. thesis, Department of Zoology, University of Manitoba, 191 pp.
- Greenall, Jason A.** 1995. First-year regrowth of three marsh plant communities after fall and spring fires in the Delta Marsh, Manitoba. M.Sc. thesis. Department of Botany, University of Manitoba. 122 pp.
- Grief, Paula M.** 1995. Cues used by brood parasites and predators to locate nests. M.Sc. thesis. Department of Zoology, University of Manitoba. 63pp.
- McDougal, Rhonda L.** 1995. Responses of a wetland ecosystem to "press" and "pulse" additions of nitrogen and phosphorus. B.Sc. Honours thesis. Department of Botany, Brandon University. ## pp.
- Alderson, Gerald W.** 1996. Molecular genetic analysis of the mating system and host choice of an obligate brood parasitic bird, the Brown-headed Cowbird (*Molothrus ater*). M.Sc. thesis. Department of Biology, McMaster University. 115 pp.
- Anderson, Robert A.** 1996. Field and laboratory evidence of multiple host contacts during blood feeding by three species of *Culex* mosquitoes, and a model of the tradeoff between blood-feeding associated mortality and increased fitness from multiple feeding. Ph.D. thesis, Department of Entomology, University of Manitoba. 159 pp.
- Bond, Heather A.** 1996. Management strategies for the rehabilitation of the west unit of the Delta Marsh. M.Sc. practicum, Natural Resources Institute, University of Manitoba. 121 pp.
- Duerksen, Ronald** 1996. Do nest-associated calls of female passerine birds facilitate host-nest detection by parasitic brown-headed cowbirds (*Molothrus ater*)? B.Sc. Honours thesis, Department of Zoology, University of Manitoba. 52 pp.
- Kattenfeld, Michael G.** 1996. The effects of turbidity and predation risk on the habitat choice of fathead minnows (*Pimephales promelas*). M.Sc. thesis, Department of Zoology, University of Manitoba. 91 pp.
- Lorenzana, Janice C.** 1996. Are begging calls of brown-headed cowbirds an adaptation for brood parasitism? The acoustic structure of begging calls of cowbirds and five nonparasitic icterine species. B.Sc. Honours thesis, Department of Zoology, University of Manitoba. 61 pp.
- Pettigrew, Caedin** 1996. Response of microinvertebrates to organic nutrient additions in a prairie wetland. B.Sc. Honours thesis. Department of Zoology, University of Manitoba. 87 pp.
- Lichtenstein, Gabriela** 1997. Begging behaviour and host manipulation by three species of parasitic cowbirds. Ph.D. thesis, Department of Zoology, University of Cambridge, UK. 163 pp.
- McMaster, D. Glen** 1997. An experimental investigation of strategies used by brown-headed cowbirds to optimize parental care. Ph.D. thesis, Department of Zoology, University of Manitoba. 139 pp.
- Mundy, C. J.** 1997. Snail-periphyton interactions in a prairie wetland. B.Sc. Honours thesis, Department of Zoology, University of Manitoba. 59 pp.

**Total theses = 84**  
(1 January 1998)