

## Books

Morse, D. H. 1980. Behavioral mechanisms in ecology. Harvard University Press. 383 pp.

Morse, D. H. 1989. American warblers: an ecological and behavioral perspective. Harvard University Press. 406 pp.

Morse, D. H. 2007. Predator upon a flower. Harvard University Press. 377 pp.

## Completed Research

Morse, D.H. 1966. The contexts of songs in the yellow warbler. *Wilson Bulletin* 78: 444-455.

Morse, D.H. 1966. Notes on the wren-thrush (*Zeledonia coronata*). *Condor* 68: 520-521.

Morse, D.H. 1966. Hog Island (a coastal spruce forest) and its breeding vertebrate fauna. *Maine Field Naturalist* 22: 127-133.

Morse, D.H. 1967. Foraging relationships of brown-headed nuthatches and pine warblers. *Ecology* 48: 94-103.

Morse, D.H. 1967. The contexts of songs in the black-throated green and blackburnian warblers. *Wilson Bulletin* 79: 62-72.

Morse, D.H. 1967. Competitive relationships between parula warblers and other species during the breeding season. *Auk* 84: 490-502.

Morse, D.H. 1968. The use of tools by brown-headed nuthatches. *Wilson Bulletin* 80: 220-224.

Morse, D.H. 1968. A quantitative study of foraging of male and female spruce woods warblers. *Ecology* 49: 779-784.

Ficken, R.W., M.S. Ficken, and D.H. Morse. 1968. Competition and character displacement in two sympatric pine-dwelling warblers. (*Dendroica*, Parulidae). *Evolution* 27: 307-314.

Morse, D.H. 1969. Distraction display of a pair of black-throated green warblers. *Wilson Bulletin* 81: 106-107.

Morse, D.H. 1969. Commitments of speakers. *Bioscience* 19: 964.

Morse, D.H. 1970. Ecological aspects of some mixed-species foraging flocks of birds. *Ecological Monographs* 40: 119-168.

Morse, D.H. 1970. Differences between courtship and territorial songs. *Nature* 226: 659-661.

Morse, D.H. 1971. The foraging of warblers isolated on small islands. *Ecology* 52: 216-228.

Morse, D.H. 1971. Great horned owls and nesting seabirds. *Auk* 88: 426-427.

Morse, D.H. 1971. The insectivorous bird as an adaptive strategy. *Annual Review of Ecology and Systematics* 2: 177-200.

- Morse, D.H. 1971. Effects of the arrival of a new species upon habitats utilized by two forest thrushes in Maine. *Wilson Bulletin* 83: 57-65.
- Morse, D.H. 1972. Habitat utilization of the red-cockaded woodpecker during the winter. *Auk* 89: 429-435.
- Morse, D.H. 1972. Habitat differences of Swainson's and hermit thrushes. *Wilson Bulletin* 84: 206-208.
- Morse, D.H. 1973. The foraging of small populations of yellow warblers and American redstarts. *Ecology* 54: 346-355.
- Morse, D.H. 1973. Interactions between tit flocks and sparrowhawks *Accipiter nisus*. *Ibis* 115: 591-593.
- Morse, D.H. 1973. Habitat utilization of meadow voles on small islands. *Journal of Mammalogy* 54: 792-794.
- Morse, D.H. 1974. Niche breadth as a function of social dominance. *American Naturalist* 108: 818-830.
- Morse, D.H. 1974. Foraging of pine warblers allopatric and sympatric to yellow-throated warblers. *Wilson Bulletin* 86: 474-477.
- Morse, D.H. 1975. Ecological aspects of adaptive radiation in birds. *Biological Reviews* 50: 167-214.
- Morse, D.H. 1975. Mourning doves breeding in an unusual habitat: the coastal spruce forest. *Wilson Bulletin* 87: 422-424.
- Morse, D.H. 1975. Erratic flights of goldcrests and treecreepers. *Ibis* 117: 379-382.
- Morse, D.H. 1976. Variables determining the density and territory size of breeding spruce-woods warblers. *Ecology* 57: 290-301.
- Morse, D.H. 1976. Hostile encounters among spruce-woods warblers (*Dendroica*, Parulidae). *Animal Behaviour* 24: 764-771.
- Morse, D.H. 1977. Feeding behavior and predator avoidance in heterospecific groups. *Bioscience* 27: 332-339.
- Morse, D.H. 1977. Estimating proboscis length from wing length in bumblebees (*Bombus* spp.). *Annals of the Entomological Society of America* 70: 311-315.
- Morse, D.H. 1977. The occupation of small islands by passerine birds. *Condor* 79: 399-412.
- Morse, D.H. 1977. Heterospecific groups. *Bioscience* 27: 713.
- Morse, D.H. and C.W. Buchheister. 1977. Age and survival of breeding Leach's storm-petrels in Maine. *Bird-banding* 48: 341-349.
- Morse, D.H. 1977. Resource partitioning in bumble bees: the role of behavioral factors. *Science* 197: 678-680.
- Morse, D.H. 1977. Foraging of bumble bees: the effect of other individuals. *Journal of the New York Entomological Society* 85: 240-248.
- Morse, D.H. 1978. Structure and foraging patterns of tit flocks in an English woodland. *Ibis* 120: 298-312.
- Morse, D.H. 1978. Populations of bay-breasted and Cape May warblers during an outbreak of the spruce budworm. *Wilson Bulletin* 90: 404-413.

- Morse, D.H. 1978. Size-related foraging differences of bumble bee workers. *Ecological Entomology* 3: 189-192.
- Morse, D.H. 1978. Interactions among bumble bees on roses. *Insectes Sociaux* 25: 365-371.
- Morse, D.H. 1979. Habitat use by the blackpoll warbler. *Wilson Bulletin* 91: 234-243.
- Morse, D.H. 1979. Foraging rate, worker size, and flower position: their role in bumble bee foraging. *Proceedings of the International Pollination Symposium* 4: 447-452.
- Morse, D.H. and C.W. Buchheister. 1979. Nesting patterns of Leach's storm-petrels on Matinicus Rock, Maine. *Bird-banding* 50: 145-158.
- Morse, D.H. 1979. Prey capture by the crab spider *Misumena calycina* (Araneae: Thomisidae). *Oecologia* 39: 309-319.
- Morse, D.H. 1980. The effect of reward size on foraging patterns of bumble bees. *Ecological Entomology* 5: 53-59.
- Morse, D.H. 1980. Foraging and coexistence of spruce-woods warblers. *Living Bird* 18: 7-25.
- Morse, D.H. 1980. Population limitation: breeding or wintering grounds? In: Keast, A., and E.S. Morton, eds. *Migrant birds in the American tropics*. *Smithsonian Institution Press* pp. 505-516.
- Morse, D.H. 1980. Behavioral mechanisms in ecology (book). Cambridge, Massachusetts. Harvard University Press. 383 pp.
- Morse, D.H. 1981. Interactions among syrphid flies and bumble bees on flowers. *Ecology* 62: 81-88.
- Morse, D.H. 1981. Modification of bumble bee foraging: the effect of milkweed pollinia. *Ecology* 62: 89-97.
- Morse, D.H. 1981. Prey capture by the crab spider *Misumena vatia* (L.) (Thomisidae) on three common native flowers. *American Midland Naturalist* 105: 358-367.
- Morse, D.H. 1981. Foraging speeds of warblers in large populations and in isolation. *Wilson Bulletin* 93: 334-339.
- Fritz, R.S. and D.H. Morse. 1981. Nectar parasitism of *Asclepias syriaca* by ants: effect on nectar levels, pollinia insertion, pollinia removal and pod production. *Oecologia* 50: 316-319.
- Morse, D.H. and R.S. Fritz. 1982. Experimental and observational studies of patch-choice at different scales by the crab spider *Misumena vatia*. *Ecology* 63: 172-182.
- Morse, D.H. 1982. The turnover of milkweed pollinia on bumble bees, and implications for outcrossing. *Oecologia* 53: 187-196.
- Morse, D.H. 1982. Behavior and ecology of bumble bees. In: Hermann, H.R., ed. *Social Insects*, Vol. 3, pp. 245-322. New York, Academic Press.
- Morse, D.H. 1982. Foraging relationships within a guild of bumble bees. *Insectes Sociaux* 29: 445-454.
- Morse, D.H. 1982. Census method for bay-breasted warblers. In: Davis, D.E., ed. *Handbook of census methods for terrestrial vertebrates*, pp. 105-106. Boca Raton, Florida, CRC Press, Miami.
- Morse, D.H. 1983. Foraging patterns and time budgets of the crab spiders *Xysticus emertoni* Keyserling and

- Misumena vatia* (Clerck) (Araneae: Thomisidae) on flowers. *Journal of Arachnology* 11: 87-94.
- Morse, D.H. and R.S. Fritz. 1983. Contributions of diurnal and nocturnal insects to the pollination of common milkweed (*Asclepias syriaca* L.) in a pollen-limited system. *Oecologia* 60: 190-197.
- Morse, D.H. and S.W. Kress. 1984. The effect of burrow loss on mate choice in the Leach's storm-petrel. *Auk* 101: 158-160.
- Morse, D.H. 1984. How crab spiders (Araneae: Thomisidae) hunt at flowers. *Journal of Arachnology* 12: 307-316.
- Fritz, R.S. and D.H. Morse. 1985. Reproductive success, growth rate and foraging decisions of the crab spider *Misumena vatia*. *Oecologia* 65: 194-200.
- Morse, D.H. 1985. Habitat selection in parulid warblers. In: Cody, M.L., ed. *Habitat selection in birds*, pp. 131-157. New York, Academic Press.
- Morse, D.H. 1985. Flocking. In: Campbell, B. and E. Lack, eds. *A dictionary of birds*, 2nd ed., pp. 226-228. T. and D. A. Poyser, Berkhamsted, Herts.
- Morse, D.H. 1985. Wood Warblers. In: Perrins, C.M., ed. *Birds*, pp. 410-411. Equinox (Oxford), Oxford.
- Morse, D.H. 1985. Costs in mutualistic relationships. *American Naturalist* 125: 903-905.
- Morse, D.H. and R.S. Fritz. 1985. Variation in the pollinaria, anthers, and alar fissures of common milkweed (*Asclepias syriaca* L.). *American Journal of Botany* 72: 1032-1038.
- Morse, D.H. 1985. Milkweeds and their visitors. *Scientific American* 253(1): 112-119.
- Morse, D.H. and J. Schmitt. 1985. Propagule size, dispersal ability, and seedling performance in *Asclepias syriaca*. *Oecologia* 67: 372-379.
- Morse, D.H. 1985. Nests and nest-site selection of the crab spider *Misumena vatia* (Araneae, Thomisidae) on milkweed. *Journal of Arachnology* 13: 383-390.
- Morse, D.H. 1986. Inflorescence choice and time allocation by insects foraging on milkweed. *Oikos* 46: 229-236.
- Morse, D.H. 1986. Predatory risk to insects foraging at flowers. *Oikos* 46: 223-228.
- Morse, D.H. 1986. Foraging decisions of crab spiders (*Misumena vatia*) hunting on inflorescences of different quality. *American Midland Naturalist* 116: 341-347.
- Morse, D.H. and R.S. Fritz. 1987. The consequences of foraging for reproductive success. In: Kamil, A.C. et al., eds. *Foraging Behavior*, pp. 443-455. Plenum Press, New York.
- Morse, D.H. 1987. Attendance patterns, prey capture, changes in mass, and survival of crab spiders *Misumena vatia* (Araneae, Thomisidae) guarding their nests. *Journal of Arachnology* 15: 193-204.
- Morse, D.H. 1987. The roles of pollen and ovary age in follicle production of the common milkweed *Asclepias syriaca*. *American Journal of Botany* 74: 851-856.
- Morse, D.H. 1988. Interactions between the crab spider *Misumena vatia* (Clerck) (Araneae) and its ichneumonid egg predator *Trychosis cyperia* Townes (Hymenoptera). *Journal of Arachnology* 16: 132-135.

- Morse, D.H. 1988. Behavior and fitness. *Brain and Behavioral Sciences* 11: 141.
- Morse, D.H. 1988. Cues associated with patch-choice decisions by foraging crab spiders *Misumena vatia*. *Behaviour* 107: 297-313.
- Morse, D.H. 1988. Relationship between crab spider *Misumena vatia* nesting success and earlier patch-choice decisions. *Ecology* 69: 1970-1973.
- Morse, D.H. and R.S. Fritz. 1989. Milkweed pollinia and predation risk to flower-visiting insects by the crab spider *Misumena vatia*. *American Midland Naturalist* 121: 188-193.
- Kareiva, P., D.H. Morse, and J. Eccleston. 1989. Stochastic prey arrivals and crab spider giving-up times: simulations of spider performance using two simple "rules of thumb". *Oecologia* 78: 542-549.
- Morse, D.H. 1989. *American warblers: ecological and behavioral perspectives*. (book). Cambridge, Massachusetts. Harvard University Press. (406 pages).
- Morse, D.H. 1989. Nest acceptance by the crab spider *Misumena vatia* (Araneae, Thomisidae). *Journal of Arachnology* 17: 49-57.
- Morse, D.H. 1989. Song patterns of warblers at dawn and dusk. *Wilson Bulletin* 101: 26-35.
- Morse, D.H. 1990. Food exploitation by birds: some current problems and future goals. *Studies in Avian Biology* 13: 134-143.
- Morse, D.H. 1990. Leaf choices of nest-building crab spiders (*Misumena vatia*). *Behavioral Ecology and Sociobiology* 27:265-267.
- Morse, D.H. 1991. Song types of Black-throated Green Warblers on migration. *Wilson Bulletin* 103:93-96.
- Jennersten, O. and D.H. Morse. 1991. The quality of pollination by diurnal and nocturnal insects visiting common milkweed, *Asclepias syriaca*. *American Midland Naturalist* 125: 18-28.
- Morse, D. H. 1991. Homing by crab spiders *Misumena vatia* (Araneae, Thomisidae) separated from their nests. *Journal of Arachnology* 19: 111-114.
- Morse, D. H. and J. Schmitt. 1991. Maternal and paternal effects on follicle production in the milkweed *Asclepias syriaca*. *American Journal of Botany* 78:1304-1309.
- Jennersten, O., D. H. Morse, and P. O'Neil. 1991. Movements of male and worker bumblebees on and between flowers. *Oikos* 62: 319-324.
- Kahn, A.P. and D.H. Morse. 1991. Pollinium germination and fertilization in self and cross-pollinated common milkweed *Asclepias syriaca*. *American Midland Naturalist* 126: 61-67.
- Morse, D. H. 1992. Predation on dispersing *Misumena vatia* spiderlings and its relationship to maternal foraging decisions. *Ecology* 73: 1814-1819.
- Morse, D. H. 1992. Dispersal of the spiderlings of *Xysticus emertoni* (Araneae, Thomisidae), a litter-dwelling crab spider. *Journal of Arachnology* 20: 217-221.
- Morse, D. H. 1993. Choosing hunting sites with little information: patch choice responses of crab spiders to distant cues. *Behavioral Ecology* 4: 61-65.

- Morse, D. H. 1993. Some determinants of dispersal by crab spiderlings. *Ecology* 74: 427-432.
- Morse, D. H. 1993. Placement of crab spider (*Misumena vatia*) nests in relation to their spiderlings' hunting sites. *American Midland Naturalist* 129: 241-247.
- Morse, D. H. 1993. The twinning of follicles by common milkweed (*Asclepias syriaca*). *American Midland Naturalist* 130: 56-61.
- Morse, D. H. 1993. Black-throated Green Warbler. *Birds of North America* 55: 1-20.
- Morse, D. H. 1994. The role of self-pollen in the female reproductive success of common milkweed (*Asclepias syriaca*: Asclepiadaceae). *American Journal of Botany* 81:322-330.
- Morse, D. H. 1994. Environmental correlates of sex in the ichneumonid wasp *Trychosis cyperia*, a spider egg predator. *American Midland Naturalist* 131: 281-287.
- Morse, D. H. 1994. Blackburnian Warbler. *Birds of North America* 102: 1-20.
- Morse, D. H. 1994. Numbers of broods produced by the crab spider *Misumena vatia* (Araneae, Thomisidae). *Journal of Arachnology* 22:195-199.
- Morse, D. H. 1995. Gains of biomass by penultimate-instar crab spiders *Misumena vatia* (Araneae: Thomisidae) hunting on flowers. *Journal of Arachnology* 23:85-90.
- Morse, D. H. and E. G. Stephens. 1996. The consequences of adult foraging success on the components of lifetime fitness in a semelparous, sit-and-wait predator. *Evolutionary Ecology* 10:361-373.
- Erickson, K. S. and D. H. Morse. 1997. Profitability of a common prey to different developmental stages of a sit-and-wait predator. *Oecologia* 109:608-614.
- Morse, D. H. 1997. Distribution, movement, and activity patterns of an intertidal wolf spider *Pardosa lapidicina* population (Araneae: Lycosidae). *Journal of Arachnology* 25:1-10.
- Chien, S. A. and D. H. Morse. 1998. Foraging patterns of male crab spiders *Misumena vatia* (Araneae: Thomisidae). *Journal of Arachnology* 26:238-243.
- Morse, D. H. 1998. The effect of wounds on desiccation of prey: implications for a predator with extra-oral digestion. *Oecologia* 115:184-187.
- Morse, D. H. 1999. Attack sites of newly-emerged crab spiders *Misumena vatia* (Araneae, Thomisidae) on their prey. *Journal of Arachnology* 27:171-175.
- Morse, D. H. 1999. Choice of hunting site as a consequence of experience in late-instar crab spiders. *Oecologia* 120:252-257.
- Holdsworth, A. R. and D. H. Morse. 2000. Frequencies of male guarding and female aggression in the crab spider *Misumena vatia*. *American Midland Naturalist* 143:201-211.
- Morse, D. H. 2000. The role of experience in determining patch-use by adult crab spiders. *Behaviour* 137:265-278.
- Morse, D. H. 2000. Flower choice by naive young crab spiders and the effect of subsequent experience. *Animal Behaviour* 59:943-951.
- Morse, D. H. 2000. The effect of experience on the hunting success of newly-emerged spiderlings. *Animal*

*Behaviour* 60:827-835.

- Legrand, R. S. and D. H. Morse. 2000. Factors driving extreme sexual dimorphism of a sit-and-wait predator under low density. *Biological Journal of the Linnean Society* 71:643-664.
- Anderson, J. T. and D. H. Morse. 2001. Pick-up lines: cues used by male crab spiders to find reproductive females. *Behavioral Ecology* 12:360-366.
- Morse, D. H. 2001. Harvestmen as commensals of crab spiders. *Journal of Arachnology* 29:273-275.
- Morse, D. H. 2002. Orientation and movement of wolf spiders *Pardosa lapidicina* (Araneae, Lycosidae) in the intertidal zone. *Journal of Arachnology* 30:601-609.
- Dukas, R. and D. H. Morse. 2003. Crab spiders affect patch visitation by bees. *Oikos* 101:157-163.
- Morse, D. H. 2004. A test of sexual cannibalism models, using a sit-and-wait predator. *Biological Journal of the Linnean Society* 81:427-437.
- Morse, D. H. and H. H. Hu. 2004. Age-dependent cannibalism of male crab spiders. *American Midland Naturalist* 151: 318-325.
- Sullivan, H. L. and D. H. Morse. 2004. The movement and activity patterns of adult and juvenile crab spiders. *Journal of Arachnology* 32:276-283.
- Hu, H. H. and D. H. Morse. 2004. The effect of age on encounters between male crab spiders. *Behavioral Ecology* 15:883-888.
- Morse, D. H. 2004. Blackburnian Warbler, 2nd ed. *Birds of North America*. On line: <http://bna.birds.Cornell.edu/BNA/account/BlackburnianWarbler/>. Doi:10.2173/bna.102
- Morse, D. H. and A. F. Poole. 2005. Black-throated Green Warbler, 2nd ed. *Birds of North America*. On line: <http://bna.birds.Cornell.edu/BNA/account/Black-throatedGreenWarbler/>. Doi:10.2173/bna.55
- Kraus, J. M. and D. H. Morse. 2005. Seasonal habitat shift in an intertidal wolf spider: the role of photoperiodic and temperature cues. *Journal of Arachnology* 33:110-123.
- Morse, D. H. 2005. Initial responses to substrates by naïve spiderlings: single and simultaneous choices. *Animal Behaviour* 70:319-328.
- Dukas, R., and D. H. Morse. 2005. Crab spiders show mixed effects on flower visitation by bees and no effect on plant fitness. *Ecoscience* 12:244-247.
- Dukas, R., D. H. Morse and S. Myles. 2005. Experience levels of individuals in natural bee populations and their ecological implications. *Canadian Journal of Zoology* 83:492-497.
- Leonard, A. S. and D. H. Morse. 2006. Line-following preferences of male crab spiders *Misumena vatia*. *Animal Behaviour* 71:717-724.
- Morse, D. H. 2006. Fine-scale substrate use by a small sit-and-wait predator. *Behavioral Ecology* 17:405-409.
- Morse, D. H. 2007. Predator upon a flower (book). Harvard University Press. 377 pp.
- Morse, D. H. 2007. Mating frequencies of male crab spiders (*Misumena vatia*). *Journal of Arachnology* 35:84-88.

- Morse, D. H. 2007. Hunting the hunters: spatial and temporal relationships of predators that hunt at the same sites. *Journal of Arachnology* 35:475-480.
- Morse, D. H. 2008. Four-level interactions: herbivore use of ferns and consequent parasitoid-hyperparasitoid performance. Submitted. *Journal of Animal Ecology* (28 MS pages).
- Lutzy, R. M. and D. H. Morse. 2008. Effects of leg loss on male crab spiders *Misumena vatia*. *Animal Behaviour* 76:1519-1527.
- Morse, D. H. 2008. Defecation behavior of adult female crab spiders *Misumena vatia*. *Journal of Arachnology* 36:612-614.
- Morse, D. H. 2009. Post-reproductive changes in female crab spiders (*Misumena vatia*) exposed to a rich prey source. *Journal of Arachnology* 37:72-77.
- Morse, D. H. 2009. Four-level interactions: herbivore use of ferns and consequent parasitoid-hyperparasitoid performance. *Ecological Entomology* 34:246-253.
- Morse, D. H. 2010. Male mate choice and female response in relation to mating status and time since mating. *Behavioral Ecology* 21:250-256.
- Morse, D. H. 2010. Diet and growth of newly-emerged crab spiderlings *Misumena vatia*. *Journal of Arachnology* (19 MS pages). In press.
- Garcia-Bengochea, Y. and D. H. Morse. 2010. Balancing predator avoidance with hunting opportunities: substrate choice by *Misumena vatia* spiderlings. *Journal of Arachnology* (19 MS pages). In press.
- Goh, M. Z. and D. H. Morse. 2010. Male mate search for female emergence sites by a parasitic wasp. *Animal Behaviour* (41 MS pages). In press.
- Morse, D. H. 2010. Size and developmental times of an herbivorous insect and its primary parasitoid on two ferns. Submitted to *Oecologia* (33 MS pages).
- Bar-Yam, S. and D. H. Morse. 2010. Host-plant choices of a fern-feeding moth at three stages in its life cycle. Submitted to *Ecological Entomology* (28 MS pages).
- Morse, D.H. 2010. Do cannibalism and kin recognition occur in just-emerged crab spiderlings? Submitted to *Journal of Arachnology* (21 MS pages).
- Morse, D.H. 2010. Cannibalism within the nests of the crab spider *Misumena vatia*. Submitted to *Journal of Arachnology* (14 MS pages).

