

CURRICULUM VITAE

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Degrees: B.A. with Distinction in Biology, Swarthmore College, 1976
M.S. in Fisheries, University of Washington, 1978
Ph.D. in Fisheries, University of Washington, 1981

Employment:

2000-present	Professor, School of Aquatic and Fishery Sciences
1990-2000	Associate Professor, School of Fisheries,
1992-1995	Associate Director for Instruction, School of Fisheries
1986-1990	Assistant Professor, School of Fisheries, Univ. of Washington
1984-1985	Research Associate, Department of Oceanography, University of British Columbia, Vancouver, B.C.
1981-1984	Post-doctoral Fellow, University of British Columbia and Pacific Biological Station, Nanaimo, B. C., Canada

Research Interests:

Behavior, ecology, and evolution of fishes, with emphasis on migrations, life history patterns, reproduction, habitat requirements, and conservation of salmon and trout

Honors:

College of Ocean and Fishery Sciences Undergraduate Teaching Award, 1989
Distinguished Teaching Award, University of Washington, 1991
Marsha Landolt Distinguished Graduate Mentor Award, University of Washington, 2008
Excellence in Fisheries Education Award, American Fisheries Society, 2010
National Research Council panel "The Status of Pacific Northwest Anadromous Salmonids"
College of Ocean and Fishery Sciences Distinguished Research Award 1998
Fulbright Fellowship to study in Ireland, 2000
Elected member, Washington State Academy of Sciences, 2010
Carl R. Sullivan Fisheries Conservation Award, 2012, from the American Fisheries Society to the Alaska Salmon Program, of which I have been a member since 1987
National Research Council panel "Ecological Risk Assessment Under FIFRA and ESA"
Fellow, American Fisheries Society

Publications

1978

- Quinn, T., G.W. Esch, T.C. Hazen and J.W. Gibbons. 1978. Long range movement and homing by largemouth bass (*Micropterus salmoides*) in a thermally altered reservoir. *Copeia* 1978: 542-545.
- Quinn, T.P. 1978. The role of the odors of conspecifics in the locomotor behavior of the blind cave characin, *Astyanax jordani*. Master's thesis, University of Washington.

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- Quinn, T.P. 1980. Locomotor responses of juvenile blind cave fish, *Astyanax jordani*, to the odors of conspecifics. *Behavioral and Neural Biology* 29: 123-127.
- Quinn, T.P. 1980. Evidence for celestial and magnetic compass orientation in lake migrating sockeye salmon fry. *Journal of Comparative Physiology* 137: 243-248.
- Quinn, T.P., B.S. Miller and R.C. Wingert. 1980. Depth distribution and seasonal and diel movements of ratfish, *Hydrolagus colliei*, in Puget Sound, Washington. *Fishery Bulletin* 78: 816-821.

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- Brannon, E.L., T.P. Quinn, G.L. Lucchetti and B.D. Ross. 1981. Compass orientation of sockeye salmon from a complex river system. *Canadian Journal of Zoology* 59: 1548-1553.
- Quinn, T.P. 1981. Compass orientation of juvenile sockeye salmon (*Oncorhynchus nerka*). Doctoral dissertation, University of Washington.
- Quinn, T.P., R.T. Merrill and E.L. Brannon. 1981. Magnetic field detection in sockeye salmon. *Journal of Experimental Zoology* 217: 137-142.

1982

- Quinn, T.P. and E.L. Brannon. 1982. The use of celestial and magnetic cues by orienting sockeye salmon smolts. *Journal of Comparative Physiology* 147: 547-552.
- Quinn, T.P. 1982. A model for salmon navigation on the high seas. In: E.L. Brannon and E.O. Salo (editors), *Salmon and Trout Migratory Behavior Symposium*. School of Fisheries, University of Washington, pp. 229-237.
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- Whitman, R.P., T.P. Quinn and E.L. Brannon. 1982. The influence of suspended volcanic ash on the homing behavior of adult chinook salmon. *Transactions of the American Fisheries Society* 111: 63-69.

1983

- Quinn, T.P., E.L. Brannon and R.P. Whitman. 1983. Pheromones and the water source preferences of adult coho salmon (*Oncorhynchus kisutch*). *Journal of Fish Biology* 22: 677-684.

Quinn, T.P. and C. Groot. 1983. Orientation of chum salmon (*Oncorhynchus keta*) after internal and external magnetic field alteration. Canadian Journal of Fisheries and Aquatic Sciences 40: 1598-1606.

1984

- Brannon, E.L., R.P. Whitman and T.P. Quinn. 1984. Responses of returning adult coho salmon to home water and population-specific odors. Transactions of the American Fisheries Society 113: 374-377.
- Ogden, J.C. and T.P. Quinn. 1984. Migration in coral reef fishes: Ecological significance and orientation mechanisms. In: J.D. McCleave, G.P. Arnold, J.J. Dodson and W.H. Neill (editors), Mechanisms of Migration in Fishes. Plenum Press, New York, pp. 293-308.
- Quinn, T.P. 1984. An experimental approach to fish compass and map orientation. In: J.D. McCleave, G.P. Arnold, J.J. Dodson and W.H. Neill (editors), Mechanisms of Migration in Fishes. Plenum Press, New York, pp. 113-123.
- Quinn, T.P. 1984. Homing and straying in Pacific salmon. In: J.D. McCleave, G.P. Arnold, J.J. Dodson and W.H. Neill (editors), Mechanisms of Migration in Fishes. Plenum Press, New York, pp. 357-362.
- Quinn, T.P. and C. Groot. 1984. The effect of water flow rate on bimodal orientation of juvenile chum salmon, *Oncorhynchus keta*. Animal Behaviour 32: 628-629.
- Quinn, T.P. and J.C. Ogden. 1984. Field evidence of compass orientation in migrating juvenile grunts (Haemulidae). Journal of Experimental Marine Biology and Ecology 81: 181-192.
- Quinn, T.P. and K. Fresh. 1984. Homing and straying in chinook salmon (*Oncorhynchus tshawytscha*) from Cowlitz River Hatchery, Washington. Canadian Journal of Fisheries and Aquatic Sciences 41: 1078-1082.
- Quinn, T.P. and C. Groot. 1984. Pacific salmon (*Oncorhynchus*) migrations: Orientation vs. random movement. Canadian Journal of Fisheries and Aquatic Sciences 41: 1319-1324.

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- Quinn, T.P. and C.A. Busack. 1985. Chemosensory recognition of siblings in juvenile coho salmon (*Oncorhynchus kisutch*). Animal Behaviour 33: 51-56.
- Quinn, T.P. 1985. Salmon homing: Is the puzzle complete? Review of A.D. Hasler and A.T. Scholz, Olfactory Imprinting and Homing in Salmon. Environmental Biology of Fishes 12: 315-317.
- Quinn, T.P. 1985. Homing and the evolution of sockeye salmon, *Oncorhynchus nerka*. In: M.A. Rankin (editor), Migrations: Mechanisms and Adaptive Significance. Contributions in Marine Science, Supplement to Vol. 27: 353-366.

1986

- Brannon, E.L., T.P. Quinn, R.P. Whitman, A.E. Nevissi, R.E. Nakatani and C. D. McAuliffe. 1986. The homing of adult chinook salmon after brief exposure to whole and dispersed crude oil. Transactions of the American Fisheries Society 115: 823-827.

- Groot, C., T.P. Quinn and T.J. Hara. 1986. Responses of migrating adult sockeye salmon (*Oncorhynchus nerka*) to population-specific odors. *Canadian Journal of Zoology* 64: 926-932.
- Quinn, T.P. and G.M. Tolson. 1986. Evidence of chemically mediated population recognition in coho salmon (*Oncorhynchus kisutch*). *Canadian Journal of Zoology* 64: 84-87.
- Quinn, T.P. and T.J. Hara. 1986. Sibling recognition and olfactory sensitivity in juvenile coho salmon (*Oncorhynchus kisutch*). *Canadian Journal of Zoology* 64: 921-925.
- Quinn, T.P., K.D. Cooke and G. Ellis. 1986. The responses of adult sockeye salmon (*Oncorhynchus nerka*) to a commercial purse seine. *Canadian Technical Report of Fisheries and Aquatic Sciences* 1511: 13 p.
- Quinn, T.P. 1986. Review of McKeown, B.A., Fish Migration, and Smith, R.J.F., The Control of Fish Migration. *Copeia* 1986: 268-269.

1987

- Groot, C. and T.P. Quinn. 1987. The homing migration of sockeye salmon to the Fraser River. *Fishery Bulletin* 85: 455-469.
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- Quinn, T.P. and R.F. Tallman. 1987. Seasonal environmental predictability and homing in riverine fishes. *Environmental Biology of Fishes* 18: 155-159.
- Quinn, T.P. and W.C. Leggett. 1987. Perspectives on the marine migrations of diadromous fishes. *American Fisheries Society Symposium* 1: 377-388.
- Quinn, T.P. and B.A. terHart. 1987. Movements of adult sockeye salmon (*Oncorhynchus nerka*) in British Columbia coastal waters in relation to temperature and salinity stratification: Ultrasonic telemetry results. *Canadian Special Publication in Fisheries and Aquatic Sciences* 96: 61-77.
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1988

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- Quinn, T.P., A.F. Olson and J.T. Konecki. 1988. Effects of anaesthesia on the chemosensory behaviour of Pacific salmon. *Journal of Fish Biology* 33: 637-641.
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1989

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- Quinn, T.P. 1989. Current controversies in the study of marine migration. Review of Herrnkind, W.F. and A.B. Thistle (eds.) Signposts in the Sea. Environmental Biology of Fishes 26: 311-313.
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- Quinn, T.P. 1990. Current controversies in the study of salmon homing. Ethology, Ecology and Evolution 2: 49-63.
- Quinn, T.P. and A.H. Dittman. 1990. Pacific salmon migrations and homing: mechanisms and adaptive significance. Trends in Ecology and Evolution 5: 174-177.
- Quinn, T. P. 1990. Migratory behavior of Pacific salmon in estuaries: recent results with ultrasonic telemetry. In: C. A. Simenstad (editor), Effects of Dredging on Anadromous Pacific Coast Fishes. Washington Sea Grant, Seattle, Washington, pp. 13-25.
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1991

- Berman, C.H. and T.P. Quinn. 1991. Behavioural thermoregulation and homing by spring chinook salmon, *Oncorhynchus tshawytscha* (Walbaum), in the Yakima River. *Journal of Fish Biology* 39: 301-312.
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- Quinn, T.P. 1991. Models of Pacific salmon orientation and navigation on the open ocean. *Journal of Theoretical Biology* 150: 539-545.
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- Quinn, T P. and S. Bloomberg. 1992. Fecundity of chinook salmon (*Oncorhynchus tshawytscha*) from the Waitaki and Rakaia rivers. *New Zealand Journal of Marine and Freshwater Research* 26: 429-434.

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- Olson, A.F. and T.P. Quinn. 1993. Vertical and horizontal movements of adult chinook salmon, *Oncorhynchus tshawytscha*, in the Columbia River estuary. *Fishery Bulletin* 91: 171-178.
- Quinn, T.P. 1993. Review of Pearcy, W.G. *Ocean Ecology of North Pacific Salmonids*. *Transactions of the American Fisheries Society* 122: 513-514.

- Quinn, T.P. 1993. A review of homing and straying of wild and hatchery-produced salmon. *Fisheries Research* 18: 29-44.
- Quinn, T. P. and M. J. Unwin. 1993. Life history patterns of New Zealand chinook salmon (*Oncorhynchus tshawytscha*) populations. *Canadian Journal of Fisheries and Aquatic Sciences* 50: 1414-1421.
- Unwin, M. J. and T. P. Quinn. 1993. Homing and straying patterns of chinook salmon (*Oncorhynchus tshawytscha*) from a New Zealand hatchery: spatial distribution of strays and effects of release date. *Canadian Journal of Fisheries and Aquatic Sciences* 50: 1168-1175.

1994

- Dittman, A.H. and T.P. Quinn. 1994. Avoidance of a putative pheromone, 17a,20b-dihydroxy-4-pregnene-3-one, by precociously mature chinook salmon (*Oncorhynchus tshawytscha*). *Canadian Journal of Zoology* 72: 215-219.
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- Peterson, N.P., E.F. Prentice and T.P. Quinn. 1994. Comparison of sequential coded-wire and passive integrated transponder tags for assessing overwinter growth and survival of juvenile coho salmon. *North American Journal of Fisheries Management* 14: 870-873.
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- Quinn, T.P. 1994. How do sharks orient at sea? *Trends in Ecology and Evolution* 9: 277-278.
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