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PROFESSIONAL EXPERIENCE

Endowed Chair & Professor, Marine Biodiversity and Conservation Science, Harte Research Institute for Gulf of Mexico Studies, Texas A&M University – Corpus Christi (8/2005-present)

Professor Emeritus, University of Alaska Fairbanks, 2006-present

Professor of Invertebrate Biology, University of Alaska Fairbanks (1996-2005)

Visiting Researcher, Seto Marine Lab, Kyoto University, Japan, 2002.

Associate Professor of Fisheries, Juneau Center, School of Fisheries & Ocean Sciences, University of Alaska Fairbanks, (1988-1996)

Visiting Scholar, University of Sydney, Australia, 1994-95; Dept. of Primary Industries, Cairns, AUS; Victoria Inst. of Marine Science, Queenscliff, AUS, 1994; Sabbatical Leave, 1994-95

Director, Division of Fisheries, University of Alaska Fairbanks, 1992-94

Visiting Scientist, Duke University Mar. Lab, Beaufort, NC, 1988-89

Assistant Professor, School of Fisheries & Science, University of Alaska Juneau, 1982-87

Research Scientist (GS-12), NOAA, NMFS, Auke Bay Labs, Auke Bay, Alaska, Summer, 1982

Instructor, Dept. of Zoology & Physiology, Louisiana State University, 1978-82

EDUCATION

Louisiana State University, Ph.D., 1982 (Zoology & Physiology, Minor: Mar. Sciences)

Texas A&I University, M.S., 1974 (Biology, Minor: Geology)

Texas A&I University, B.S., 1969 (Biology, Minor: Chemistry)

Graduate advisors: Drs. A. H. Chaney (M.S), W. B. Stickle (Ph.D.)

PRIMARY RESEARCH INTERESTS

Ecology and systematics of seamount fauna; deep sea community structure

Early life history and reproductive biology of decapod crustaceans, esp. king, Tanner, and Dungeness crabs; biology of deep sea crabs

Ecology, bioenergetics, and physiology of marine invertebrates; Priapulid systematics

PUBLICATIONS (Refereed)

Manuscripts submitted for publication

- Park, W and **T. C. Shirley**. In Review 2007. Patterns of development, mixing, and distribution of Dungeness crab larvae in Glacier Bay and neighboring straits in southeastern Alaska. In Review: Estuaries and Coasts.
- Kilgour, M. J. and **T. C. Shirley**. In Review 2007. Bathymetric segregation of the red deepsea crab by sex and age. U.S. Fisheries Bulletin.
- Kilgour, M. J. and **T. C. Shirley**. In Review 2007. Bathymetric and spatial distribution of decapod crustaceans on deep shipwrecks in the Gulf of Mexico. Bull. Mar. Science
- Park, W and **T. C. Shirley**. In Review 2007. Distribution of larval Dungeness crabs in Glacier Bay, southeastern Alaska. Journal of Fisheries Science and Technology (Korean Fisheries Society, in English).
- Kilgour, M. J. and **T. C. Shirley**. In Review 2007. *Eumunida picta* and *Lophelia pertusa*: a relationship or just good friends? Crustaceana

MANUSCRIPTS IN PRESS OR ACCEPTED

- Nielsen, J. K., S. J. Taggart, **T. C. Shirley** and J. Mondragon. Accepted 2007. Distribution of juvenile and adult Tanner crabs *Chionoecetes bairdi* in a glacial fjord ecosystem: implications for understanding recruitment processes. ICES Journal of Marine Science.
- Webb, J. G. L. Eckert, T.C. **Shirley** and S. L. Tamone In Press 2007. Changes in embryonic development and hatching in the snow crab, *Chionoecetes opilio*, from the eastern Bering Sea with variation in incubation temperature. Biological Bulletin.
- Bluhm, B.A. and **T.C. Shirley**. Accepted. Lipofuscin age pigment in Bering Sea snow crab (*Chionoecetes opilio*, Brachyura: Majidae): implications for crab age. Mar. Ecol. Prog. Series.

BOOKS

- Kruse, G. H., V. F. Gallucci, D. E. Hay, R. I. Perry, R. M. Peterman, **T. C. Shirley**, P. D. Spencer, B. Wilson and D. Woodby (Eds.). 2005. Fisheries Assessment and Management in Data-Limited Situations. Alaska Sea Grant College Program, University of Alaska Fairbanks. 958 pp.
- Paul, A.J., E.G. Dawe, R. Elner, G.S. Jamieson, G.H. Kruse, R.S. Otto, B. Sainte-Marie, **T.C. Shirley** and D. Woodby. 2002. Crabs in Cold Water Regions: Biology, Management and Economics. University of Alaska Sea Grant, AK-SG-02-01, Fairbanks. 876 pp.

PEER REVIEWED PUBLICATIONS

79. Park, W., D. C. Douglas and **T. C. Shirley**. 2007. North to Alaska: evidence for conveyor belt transport of Dungeness crab larvae along the west coast of the United States and Canada. Limnol. Oceanogr. 52: 248-256.
78. Webb, J., G. L. Eckert, T.C. **Shirley**, S. L. Tamone. 2006. Changes in zoeae of the snow crab, *Chionoecetes opilio*, with variation in incubation temperature. J. Experimental Marine Biology and Ecology 339: 96-103.
77. Schizas, N. V. and **T. C. Shirley**. 2006. *Apoethon hippoperus* (Copepoda: Harpacticoida), a new species from southeastern Alaska. J. Crustacean Biology 26(3):341-354
76. Hans-U. Dahms, N.V. Schizas and **T.C. Shirley**. 2005. Naupliar evolutionary novelties of *Stenhelia* (*S. peniculata*) (Copepoda, Harpacticoida) from Alaska affirming taxa belonging to different categorical rank. Invertebrate Zoology 2(1): 1-14.
75. Park, W. and **T.C. Shirley**. 2005. Diel vertical migration and seasonal timing of the larvae of three sympatric cancrivora crabs, *Cancer* spp., in southeastern Alaska. Estuaries 28(2): 266-273.
74. Taggart, S. J., O'Clair, C. E., **Shirley, T. C.**, and Mondragon, J. 2004. Estimating Dungeness crab, *Cancer magister*, abundance: crab pots and dive transects compared. *Fishery Bulletin* 102: 488-497.
73. Park, W., M. Sturdevant, J. Orsi, A. Wertheimer, E. Fergusson, W. Heard and **T. Shirley**. 2004. Interannual abundance patterns of copepods during ENSO events in Icy Strait, southeastern Alaska. ICES J. Mar. Sci. 61(4): 464-477.
72. Taggart, S. J., **T.C. Shirley**, C.E. O'Clair and J. Mondragon. 2004. Dramatic increase in the relative abundance of large male Dungeness crabs, *Cancer magister*, following closure of commercial fishing. Amer. Fish. Soc. Symposium 42: 243-253.
71. Swiney, K.M., **T.C. Shirley**, S.J. Taggart and C.E. O'Clair. 2003. Dungeness crab, *Cancer magister*, do not extrude eggs annually in southeastern Alaska: an in situ study. Crustacean Biology 23 (2): 280-288.
70. Todaro, M.A. and **T.C. Shirley**. 2003. A new meiobenthic priapulid (Priapulida, Tubiluchidae) from a Mediterranean submarine cave. Italian J. of Zoology 79: 79-87.

PUBLICATIONS (Refereed, continued)

69. **Shirley, T.C.** 2002. Correct spelling and publication date for the golden king crab (*Lithodes aequispinus* Benedict, 1895). In: A.J. Paul, E.G. Dawe, R. Elner, G.S. Jamieson, G.H. Kruse, R.S. Otto, B. Sainte-Marie, T.C. Shirley, and D. Woodby (eds.), Crabs in Cold Water Regions: Biology, Management, and Economics. Univ. Alaska Sea Grant, AK-SG-02- 01, Fairbanks, pp. 1-3.
68. Warrenchuk, J.J., and **T.C. Shirley**. 2002. Effects of windchill on the snow crab (*Chionoecetes opilio*). In: A.J. Paul, E.G. Dawe, R. Elner, G.S. Jamieson, G.H. Kruse, R.S. Otto, B. Sainte-Marie, T.C. Shirley, and D. Woodby (eds.), Crabs in Cold Water Regions: Biology, Management, and Economics. Univ. Alaska Sea Grant, AK-SG 02-01, Fairbanks, pp. 81-96.
67. Hoyt, Z.N., **T.C. Shirley**, J. Warrenchuk, C.E. O'Clair and R.P. Stone. 2002. Movements and habitat utilization of golden king crab in southeastern Alaska. In: A.J. Paul, E.G. Dawe, R. Elner, G.S. Jamieson, G.H. Kruse, R.S. Otto, B. Sainte-Marie, T.C. Shirley, and D. Woodby (eds.), Crabs in Cold Water Regions: Biology, Management, and Economics. Univ. Alaska Sea Grant, AK-SG-02- 01, Fairbanks, pp. 595-608.
66. Warrenchuk, J.J. and **T.C. Shirley**. 2002. Estimates of mortality of snow crab, *Chionoectes opilio*, discarded during the Bering Sea fishery in 1998. Alaska Fisheries Research Bulletin 9(1):44-52.
65. **Shirley, T.C.** 2001. Phylum Priapulida. pp. 189-194 In Young, C.M., M. Rice and M.A. Sewell (Eds.), Atlas of Marine Invertebrate Larvae. Academic Press, London.
64. Scheduling, K., **T.C. Shirley**, C.E. O'Clair and S.J. Taggart. 2001. Critical habitat for ovigerous Dungeness crabs. pp. 431-445 IN Kruse, G.H., N. Bez, A. Booth, M.W. Dorn, S. Hills, R.N. Lipcius, D. Pelletier, C. Roy, S.J. Smith and D. Witherell (Eds.). Spatial Processes and Management Symposium of Marine Populations. 17th Lowell Wakefield Fisheries Symposium. Univ. of Alaska Sea Grant College Program AK-SG-01-02.
63. Fu, C., T.J. Quinn II and **T.C. Shirley**. 2001. The role of sex change, growth and mortality in *Pandalus* population dynamics and management. ICES J. of Marine Science 58: 607-621.
62. Swiney, K.M. and **T.C. Shirley**. 2001. Gonad development of southeastern Alaskan Dungeness crab, *Cancer magister*, under laboratory conditions. J. Crustacean Biology 21(4): 897-904.
61. Warrenchuk, J. and **T.C. Shirley**. 2000. Parasitism by the rhizocephalan *Peltogaster paguri* (Rathke, 1842) and hyperparasitism by the bopyrid isopod *Liriopsis pygmaea* (Rathke, 1843) on *Pagurus hirsutiusculus* in southeastern Alaska. Crustaceana 73(8): 971-977.
60. Mooney, J. R. and **T.C. Shirley**. 2000. New hosts, prevalence and density of the ellobiopsid parasite *Thalassomyces fagei* on euphausiids in Prince William Sound, Alaska. J. Crustacean Biology 20(2): 320-325.
59. Purcell, J.E., E.D. Brown, K.D.E. Stokesbury, L.J. Haldorson and **T.C. Shirley**. 2000. Aggregations of the jellyfish *Aurelia labiata*: Abundance, distribution, association with age-0 walleye pollock, and behaviors promoting aggregation in Prince William Sound, Alaska, USA. *Marine Ecology Progress Series* 195: 145-158.
58. **Shirley, T. C.** and V. Storch. 1999. *Halicryptus higginsi* n.sp. (Priapulida), a giant new species from Barrow, Alaska. J. Invertebrate Biology 118(4): 404-413
57. Storch, V. C. Kempendorf, R. P. Higgins and **T. C. Shirley**. 1999. Priapulida. IN: Jamieson, B.G.M. (Ed.): Reproductive Biology of the Invertebrates. Oxford-IBH.
56. Kirkpatrick, B., **T.C. Shirley** and C. E. O'Clair. 1998. Investigation of deep-water bark accumulation at log transfer and storage facilities. Alaska Fisheries Science Bulletin 5(2): 103-115.
55. Zhou, S. and **T. C. Shirley**. 1998. A submersible study of red king crab and Tanner crab distribution by habitat and depth. J. Shellfisheries Research 17(5): 1477-1479.
54. Zhou, S., **T. C. Shirley** and G. H. Kruse. 1998. Feeding and growth of red king crab (*Paralithodes camtschaticus* under laboratory conditions. J. Crustacean Biology 18(2): 337-345.
53. Zhou, S. and **T. C. Shirley**. 1997. Distribution of red king crab and Tanner crab by habitat and depth in a southeastern Alaskan bay. Investigations Marinas 25: 59-67.
52. **Shirley, T. C.** and S. Zhou. 1997. Lecithotrophic development of the golden king crab, *Lithodes aequispinus* (Anomura, Lithodidae). J. Crustacean Biology 17(2): 207-216.
51. Zhou, S. and **T. C. Shirley**. 1997. Behavioral responses of red king crab to crab pots. Fisheries Research 30: 177-189.
50. Zhou, S. and **T. C. Shirley**. 1997. Performance of two red king crab pot designs. Can. J. Fisheries & Aquatic Sciences 54: 1858-1864.
49. Schultz, D. A. and **T. C. Shirley**. 1997. Feeding, foraging and starvation capability of ovigerous Dungeness crabs. J. Crustacean Research 26: 26-37.
48. Zhou, S. and **T. C. Shirley**. 1997. Chemoreception and feeding responses of red king crabs to potential bait extracts. J. Crustacean Research 26: 1-15.

PUBLICATIONS (Refereed, continued)

47. Zhou, S. and **T. C. Shirley**. 1997. A model expressing the relationship between catch and soak time for trap fisheries. *North Am. J. Fish. Management* 17: 482-487.
46. Zhou, S. and **T. C. Shirley**. 1996. Habitat and depth distribution of the red sea cucumber (*Parastichopus californicus*) in a southeastern Alaskan bay. *Alaska Fisheries Research Bulletin* 3(2): 123-131.
45. Fleeger, J. W., **T. C. Shirley**, M. T. Todaro and M. Carls. 1996. Meiofaunal recolonization experiment with oiled sediments. *Transactions of the American Fisheries Society* 18: 271-285.
44. Walossek, D., J. T. Hoeg and **T. C. Shirley**. 1996. A scanning electron microscope study of the rhizocephalan barnacle *Briarosaccus tenellus* (Maxillopoda: Thecostraca) reared in the laboratory. *Hydrobiologia* 328: 9-47.
43. Schizas, N. V. and **T. C. Shirley**. 1996. Seasonal changes in structure of an Alaskan intertidal meiofaunal assemblage. *Mar. Ecol. Prog. Ser.* 133: 115-124.
42. Fleeger, J. W., **T. C. Shirley** and J. N. McCall. 1995. Fine-scale vertical profiles of meiofauna in muddy subtidal sediments. *Can. J. Zool.* 73(8): 1453-1460.
41. Zhou, S. and **T. C. Shirley**. 1995. Effects of handling on feeding, activity and survival of red king crabs. *J. Shellfish Research* 14(1): 173-177.
40. Schizas, N. V. and **T. C. Shirley**. 1995. Autoecology of an intertidal Alaskan copepod (Copepoda, Harpacticoida) *Hydrobiologia* 292/293: 261-267.
39. Schizas, N. V. and **T. C. Shirley**. 1995. *Acrenhydrosoma maccalli*, a new species from Auke Bay, Alaska (Copepoda, Harpacticoida). *Crustaceana* 67(3): 329-340.
38. Schizas, N. V. and **T. C. Shirley**. 1994. Two new species of *Laophontodes* (Copepoda, Harpacticoida, Ancorabolidae) from McMurdo Sound, Antarctica. *Zoologica Scripta* 23: 1-12.
37. Schizas, N. V. and **T. C. Shirley**. 1994. *Elapholaophonte decaceros*, n. gen., n. sp. (Copepoda, Harpacticoida, Laophontidae) from the Philippines. *J. Amer. Microsp. Soc.* 113(2): 127-141.
36. Schizas, N. V. and **T. C. Shirley**. 1994. *Onychocamptus krusensterni* (Copepoda, Harpacticoida, Laophontidae) a new species from Krusenstern Lagoon, Alaska. *Crustaceana* 66(2): 227-239.
35. Stekoll, M. S. and **T. C. Shirley**. 1993. In situ spawning behavior of an Alaskan population of pinto abalone, *Haliotis kamtschatkana*. *Veliger* 36(1): 95-97.
34. Higgins, R. P., V. Storch and **T. C. Shirley**. 1993. Scanning and transmission electron microscopical observations on the larvae of *Priapulus caudatus* (Priapulida). *Zoologica Acta (Stockholm)* 74(4): 301-319.
33. Kondzela, C. M. and **T. C. Shirley**. 1993. Survival, feeding and growth of juvenile Dungeness crabs from southeastern Alaska at different temperatures. *J. Crustacean Biology* 13(1): 25-35.
32. Stone R. P., C. E. O'Clair and **T. C. Shirley**. 1993. Aggregating behavior of ovigerous female red king crabs, *Paralithodes camtschaticus*, in Auke Bay, Alaska. *Canadian J. Fisheries Aquatic Sciences* 50(4): 750-758.
31. Love, D. C. and **T. C. Shirley**. 1993. Parasitism of the golden king crab, *Lithodes aequispinus* Benedict, 1895, by a liparid fish. *Crustaceana* 65: 97-104.
30. Stone, R. P., C. E. O'Clair and **T. C. Shirley**. 1992. Seasonal migration and distribution of female red king crab in Auke Bay, Alaska. *J. Crustacean Biology* 12(4): 546-560.
29. **Shirley, T. C.** 1990. Ecology of *Priapulus caudatus* Lamarck 1816 (Priapulida) in an Alaskan subarctic ecosystem. *Bulletin of Marine Science* 47(1): 149-158.
28. Fleeger, J. W. and **T. C. Shirley**. 1990. Meiofauna responses to sedimentation from a spring phytoplankton bloom in Auke Bay, Alaska. II. Harpacticoid copepods. *Marine Ecology progress Series* 54: 51-59.
27. Shirley, S. M. and **T. C. Shirley**. 1989. Interannual variability in density, timing and survival of Alaskan red king crab (*Paralithodes camtschatica*) larvae. *Marine Ecology Progress Series* 54: 51-59.
26. **Shirley T. C.** and S. M. Shirley. 1989. Temperature and salinity tolerances and preferences of red king crab (*Paralithodes camtschatica*) zoeae. *Mar. Behavior and Physiology* 16: 19-30.
25. Fleeger, J. W., **T. C. Shirley** and D. A. Ziemann. 1989. Meiofauna response to sedimentation from a spring phytoplankton bloom in Auke Bay, Alaska. I. Major taxa. *Marine Ecology Progress Series* 57(2): 137-145.
24. Chandler, G. T., **T. C. Shirley** and J. W. Fleeger. 1988. The Tom-Tom corer: a new design of the Kajak corer for use in meiofauna sampling. *Hydrobiologia* 169: 129-134.
23. Shirley, S. M. and **T. C. Shirley**. 1988. Appendage injury in Dungeness crabs, *Cancer magister*, in southeastern Alaska. *Fishery Bulletin* 86(1): 156-160.
22. Hawkes, C. R., T. Meyers and **T. C. Shirley**. 1987. Growth of Alaskan blue king crabs, *Paralithodes platypus* (Brandt) parasitized by the rhizocephalan *Briarosaccus callosus* Boschma. *Crustaceana* 52(1): 78-84.
21. Shirley, S. M. and **T. C. Shirley**. 1988. Behavior of red king crab larvae: phototaxis, geotaxis and rheotaxis. *Marine Behaviour and Physiology* 13: 369-388.

PUBLICATIONS (Refereed, continued)

20. Molyneux, D. B. and **T. C. Shirley**. 1988. Molting and growth of eyestalk-ablated juvenile red king crabs *Paralithodes camtschatica* (Crustacea: Lithodidae). *Comparative Biochemistry and Physiol.* 91A(2): 245-251.
19. Shirley, S. M., **T. C. Shirley** and S. A. Rice. 1987. Latitudinal variation in the Dungeness crab, *Cancer magister*: zoeal morphology explained by incubation temperature. *Marine Biology* 95: 371-376.
18. Stickle, W. B., M. A. Kapper, **T. C. Shirley**, M. G. Carls and S. D. Rice. 1987. Bioenergetics and tolerance of the pink shrimp (*Pandalus borealis*) during long-term exposure to the water-soluble fraction and oiled sediment from Cook Inlet crude oil. In: W. Vernberg, A. Calabrese, F. Thurberg, and F. Vernberg (eds.), *Pollution Physiology of Estuarine Organisms*, Pp. 87-106. Belle Baruch Libr. Mar. Sci. 17. Univ. of S. Carolina Press.
17. Hawkes, C. R., T. R. Meyers, **T. C. Shirley** and T. M. Koeneman. 1986. The prevalence of the rhizocephalan *Briarosaccus callosus* Boschma, a parasite of king crabs (*Paralithodes camtschatica*, *P. platypus*, and *Lithodes aequispina*) of southeastern Alaska. *Transactions of the American Fisheries Society* 115(2a): 252-257.
16. Shirley, S.M., **T. C. Shirley** and T. R. Meyers. 1986. Hemolymph responses of Alaskan king crab to rhizocephalan parasitism. *Canadian J. Zoology* 64: 1774-1781.
15. Hawkes, C. R. T. Meyers and **T. C. Shirley**. 1986. Length-weight relationships of blue and golden king crabs parasitized by the rhizocephalan *Briarosaccus callosus*. *Fisheries Bulletin* 84: 327-332.
14. Hawkes, C. R. T. Meyers and **T. C. Shirley**. 1986. Parasitism of the blue king crab, *Paralithodes platypus* (Brandt), by the rhizocephalan *Briarosaccus callosus* Boschma. *J. Invertebrate Pathology* 45: 252-253.
13. Hawkes, C. R. T. Meyers and **T. C. Shirley**. 1985. Larval biology of *Briarosaccus callosus* Boschma (Cirripedia: Rhizocephala). *Proceedings of the Biological Society of Washington* 98: 935-944.
12. **Shirley, T. C.** 1983. The importance of echinoderms as prey of fishes of a sublittoral rock reef. pp. 49-55 in B. R. Chapman and J. W. Tunnell (eds.) *South Texas Fauna, Spec. Publication Caesar Kleberg Wildlife Research Institute, Kingsville, Texas*
11. Stickle, W. B., **T. C. Shirley** and T. D. Sabourin. 1983. Patterns of nitrogen excretion in four species of echinoderms as a function of salinity. In J. M. Lawrence (ed.) *Echinoderms: Proceedings of the International Conference, Tampa Bay*, pp. 371-377. Balkema, Rotterdam.
10. **Shirley, T. C.** and W. B. Stickle. 1982. Responses of *Leptasterias hexactis* (Echinodermata: Asteroidea) to low salinity. I. Survival, activity, feeding, growth and absorption efficiency. *Marine Biology* 169: 147-154.
9. **Shirley, T. C.** and W. B. Stickle. 1982. Responses of *Leptasterias hexactis* to low salinity. II. Nitrogen metabolism, respiration and energy budgets. *Marine Biology* 169: 155-163.
8. **Shirley, T. C.** and M. S. Loden. 1982. The Tubificidae (Annelida, Oligochaeta) of a Louisiana estuary: ecology and systematics, with the description of a new species. *Estuaries* 5(1): 47-56.
7. **Shirley, T. C.** and M. S. Loden. 1980. Demography and ecology of oligochaetes in a Louisiana estuary. *North American Benthological Society, Special Symposium on Estuarine Oligochaetes*, p. 18.
6. McCorkle, S., **T. C. Shirley** and T. H. Dietz. 1979. Rhythms of activity and oxygen consumption in the common pond clam, *Ligumia subrostrata* (Say). *Canadian J. Zoology* 57(10): 1960-1964.
5. **Shirley, T. C.**, G. J. Denoux and W. B. Stickle. 1978. Seasonal respiration in the marsh periwinkle, *Littorina irrorata*. *Biological Bulletin* 154: 322-334.
4. **Shirley, T. C.** and A. M. Findley. 1977. Circadian rhythm of oxygen consumption in the marsh periwinkle, *Littorina irrorata* (Say, 1822). *Comparative Biochemistry and Physiology* 59A: 339-342.
3. Pawson, D. L. and **T. C. Shirley**. 1977. Occurrence of the subgenus *Holothuria* (*Holothuria*) in the Gulf of Mexico (Echinodermata: Holothuroidea). *Proc. of the Biological Society of Washington* 90(4): 915-920.
2. **Shirley T. C.** 1974. *Caprella andreae* Mayer, 1890 (Crustacea: Amphipoda) from Padre Island, Texas. *Texas Journal of Science* 26(3-4): 621.
1. **Shirley, T. C.** 1974. *Planes cyaneus* Dana, 1852 (Decapoda, Grapsidae) from Padre Island, Texas: a new record for the Gulf of Mexico and the North Atlantic. *Crustaceana* 26(1): 107-108.

Publications: Symposium Proceedings, Book Chapters, Processed Reports, etc.

53. Shirley, T. C. 2007. Tag retention in snow crabs; Movement of primiparous females Tanner crabs: spatial dynamics
Of Tanner crab recruitment. Annual Report to CIFAR 06-053 and 09-065.
52. Church, R., D. Warren, R. Cullimore, L. Johnston, W. Schroeder, W. Patterson, **T. Shirley**, M. Kilgour, N. Morris and J. Moore. 2007. Archaeological and biological analysis of World War II shipwrecks in the Gulf of Mexico: artificial reef effect in deep water. U.S. Dept. of the Interior, Mineral Management Service, Gulf of Mexico OCS Region, New Orleans, LA. Study MMS 2007-015. 387 pp.

Publications: Symposium Proceedings, Book Chapters, Processed Reports, etc.

51. Osman, R. and **T. Shirley** (Editors). 2007. Proceedings and Final Report of the Gulf of Mexico and Caribbean Marine Invasive Species Workshop. Held at Harte Research Institute for Gulf of Mexico Studies, Texas A&M University-Corpus Christi, TX, Feb. 26-27. Published by Harte Research Institute for Gulf of Mexico Studies and Smithsonian Environmental Research Center. 47 pp.
50. **Shirley, T.C.** 2007. Cultivation potential of golden king crab, *Lithodes aequispinus*. Pp. 47-54 IN Stevens, B. G. (ed.) Alaska Crab Stock Enhancement and Rehabilitation. Workshop Proceedings, March 14-16, 2006. Alaska Sea Grant College Program, AK-SG-06-04.
49. **Shirley, T. C.** 2006. Tag retention in snow crabs: movement of primiparous female Tanner crabs: spatial dynamics of Tanner crab recruitment. CIFAR Annual Report to NOAA, Year 5 of Cooperative Agreement NA17RJ1224, pp. 58-59.
48. **Shirley, T. C.** 2006. Assemblages of macroinvertebrates associated with deepsea corals on seamounts in the Gulf of Alaska. Final report to NOAA, Office of Ocean Exploration. 15 pp.
47. Bluhm, B. A. and **T.C. Shirley**. 2005. Development of age-determination methods for snow crabs. pp. 36-56 in Bering sea snow crab fishery restoration research: Final comprehensive performance report. NOAA, NMFS Juneau, Alaska 99802-1668
46. Quinn, T. J. II., **T. C. Shirley** and T. M. Koeneman. 2006. Southeast Alaska red king crab stock assessment review. Alaska Dept. of Fish and Game. Special Publication No. 06-12, 46 pp.
45. **Shirley, T.C.** 2006. Energetic reserves of snow crabs. Final report to NOAA.
44. **Shirley, T.C.** 2004. Exploration of deep water crabs and other invertebrates in the western Gulf of Alaska. Final Report to NOAA, Office of Ocean Exploration. 8 pp.
43. Switgard D. and **T.C. Shirley**. 2004. The role of copepods in the distribution of hydrocarbons: an experimental approach. Univ. of Alaska, Coastal Marine Institute, Final Report. June 2004. OCS Study MMS 2004-034., 54 pp.
42. **Shirley, T.C.** 2004. Tag retention in snow crabs. Movement of primiparous female Tanner crabs: spatial dynamics of Tanner crab recruitment. CIFAR Annual Report 1 July 2003-30 June 2004, Year 3 of Cooperative Agreement NA17RJ1224, pp. 51-52.
41. **Shirley, T.C.** 2003. Temperature and energy reserves of snow crabs (TERS). Pp. 102-106 In Nearshore Marine Research in Alaska: Final comprehensive Progress Report, NOAA Cooperative Agreement NA06FN0385, submitted to NOAA, NMFS, Sept. 30, 2003.
40. **Shirley, T.C.** 2003. Tag retention in snow crabs. Cooperative Institute for Arctic Research (CIFAR) Univ. of Alaska Fairbanks. Annual Report. Year 2 of Cooperative Agreement NA17RJ1224, pp. 56-58.
39. **Shirley, T.C.** and S. Duesterloh. 2003. An experimental approach to investigate seasonal differences in the role of zooplankton in the distribution of hydrocarbons. Pages 7-11 in Coastal Marine Institute, Annual Report No. 9, Fiscal Year 2002. OCS Study MMS 2003-003. Coastal Marine Institute, Univ. of Alaska Fairbanks.
38. **Shirley, T.C.** and S. Duesterloh. 2002. An experimental approach to investigate seasonal differences in the role of zooplankton in the distribution of hydrocarbons. Pages 39-47 in Coastal Marine Institute, Annual Report No. 8, Fiscal Year 2001. OCS Study MMS 2002-2001. Coastal Marine Institute, Univ. of Alaska Fairbanks.
37. **Shirley, T.C.** and J. Warrenchuk. 2001. Project 4A: Effects of wind chill on snow crabs. Pages 29-43 In G.H. Kruse (Project Coordinator); D. Woodby (Preparer). King and Tanner Crab research In Alaska: A Final Report From July 1, 1999 to June 30, 2001. Alaska Department of Fish and Game, Division of Comm. Fisheries, NOAA Cooperative Agreement NA97FN0129, Juneau, Alaska. Regional Information Report No. 5J01-07
36. **Shirley, T.C.** and J. Warrenchuk. 2001. Project 4B: Mortality and growth increments for snow crabs. Pages 44-60 In G.H. Kruse (ed.). King and Tanner Crab research In Alaska: A Final Report from July 1, 1999 to June 30, 2001. Alaska Department of Fish and Game, Division of Commercial Fisheries, NOAA Cooperative Agreement NA97FN0129, Juneau, Alaska. Regional Information Report No. 5J01-07.
35. **Shirley, T. C.** 2001. Bioenergetic study of snow crabs. Pages 13-16 in In G.H. Kruse (ed.). Nearshore II Marine Research in Alaska: a Semi-annual progress report for August 1, 2000 through January 31, 2001. Alaska Department of Fish and Game, Division of Commercial Fisheries, NOAA Cooperative Agreement NA06FN0385, Juneau, Alaska.
34. **Shirley, T. C.** 2001. Bioenergetic study of snow crabs. Pages 13-15 in In G.H. Kruse (ed.). Nearshore II Marine Research in Alaska: a Semi-annual progress report for February 1 through July 31, 2001. Alaska Department of Fish and Game, Division of Commercial Fisheries, NOAA Cooperative Agreement NA06FN0385, Juneau, Alaska.

Publications: Symposium Proceedings, Book Chapters, Processed Reports, etc.

33. **Shirley, T. C.** 2001. Feeding, growth and energetics of snow crabs. Pages 14-16 *In* G.H. Kruse (ed.). King and Tanner Crab research In Alaska: A semi-annual progress report for July 1, 2000 through December 31, 2000. Alaska Department of Fish and Game, Division of Commercial Fisheries, NOAA Cooperative Agreement NA97FN0129, Juneau, Alaska.
32. **Shirley, T. C.** 2001. Feeding, growth and energetics of snow crabs. Pages 16-17 *In* G.H. Kruse (ed.). King and Tanner Crab research In Alaska: A semi-annual progress report for January 1, 2001 through June 30, 2001. Alaska Department of Fish and Game, Division of Commercial Fisheries, NOAA Cooperative Agreement NA97FN0129, Juneau, Alaska.
31. Alaska Department of Fish and Game, Division of Commercial Fisheries, NOAA Cooperative Agreement NA97FN0129, Juneau, Alaska.
30. **Shirley, T. C.** 2001. Mortality and growth increments for snow crabs. Pages 20-22 *In* G.H. Kruse (ed.). King and Tanner Crab research In Alaska: A semi-annual progress report for January 1, 2001 through June 30, 2001. Alaska Department of Fish and Game, Division of Commercial Fisheries, NOAA Cooperative Agreement NA97FN0129, Juneau, Alaska.
29. **Shirley, T.C.** and S. Dueterloh. 2000. An experimental approach to investigate seasonal differences in the role of zooplankton in the distribution of hydrocarbons. Pages 51-54 in Coastal Marine Institute, Annual Report No. 7, Fiscal Year 2000. OCS Study MMS 2000-070. Coastal Marine Institute, Univ. of Alaska Fairbanks.
28. **Shirley, T. C.** and J.Warrenchuk. 2000. Effects of wind chill on snow crabs. Pages 24-26 in *In* G.H. Kruse (ed.). King and Tanner Crab research In Alaska: A semi-annual progress report for January 1, 2000 through June 30, 2000. Alaska Department of Fish and Game, Division of Commercial Fisheries, NOAA Cooperative Agreement NA97FN0129, Juneau, Alaska.
27. **Shirley, T. C.** 1999. Effects of wind chill on red king crabs. Pages B1-B11 *In* King and Tanner Crab Research in Alaska; Annual Report for July 1 through June 30, 1999. Alaska Dept. of Fish and Game Regional Information Report No. 5J99-10.
26. **Shirley, T. C.** 1999. Hatching cues for red king crabs. Pages C1-C6 *In* King and Tanner Crab Research in Alaska; Annual Report for July 1 through June 30, 1999. Alaska Dept. of Fish and Game Regional Information Report No. 5J99-10.
25. Haldorson, L., **T. Shirley** and K. Coyle. 1999. Forage species studies in Prince William Sound. Pp. 15-48 *IN* Exxon Valdez Oil Spill Restoration Project Annual Report, Alaska Predator Ecosystem Experiment in Prince William Sound and the Gulf of Alaska. (APEX), Report to EVOS Trustees Council.
24. **Shirley, T. C.** 1998. A laboratory study of the effects of wind chill on Tanner crabs. Final Report to Alaska Dept. of Fish & Game. 12 pp.
23. Haldorson, L. and **T. Shirley**. 1997. Forage species studies in Prince William Sound. Pp. 22-42 *IN* Detailed Project Description, Alaska Predatory Ecosystem Experiment (APEX), Report to EVOS Trustees Council.
22. **Shirley, T. C.**, G. Bishop, C. E. O'Clair, S. J. Taggart and J. Bodkin. 1996. Sea otter predation on Dungeness crabs in Glacier Bay, Alaska. High Latitude Crabs: Biology, Management, and Economics. Lowell Wakefield Fisheries Symposium, University of Alaska Sea Grant College Program Report No. 96-02, pp. 563-576.
21. Haldorson, L, **T. C. Shirley** and K. O. Coyle. 1996. Biomass and distribution of forage species in Prince William Sound. Pp. A1-A76 *IN* APEX: Alaska Predator Ecosystem Experiment. Restoration Project 95163, Annual Report to Oil Spill Trustee Council.
20. O'Clair, C. E., **T. C. Shirley** and S. J. Taggart. 1996. Dispersion of adult *Cancer magister* at Glacier Bay, Alaska: variation with spatial scale, sex, and reproductive status. High Latitude Crabs: Biology, Management, and Economics. Lowell Wakefield Fisheries Symposium, University of Alaska Sea Grant College Program Report No. 96-02, pp. 209-228.
19. Schultz, D. A., **T. C. Shirley**, C. E. O'Clair and S. J. Taggart. 1996. Activity and feeding behavior of ovigerous Dungeness crabs in Glacier Bay, Alaska. High Latitude Crabs: Biology, Management, and Economics. Lowell Wakefield Fisheries Symposium, University of Alaska Sea Grant College Program Report No. 96-02, pp. 411-424.
18. Zhou, S. and **T. C. Shirley**. 1996. Is handling responsible for the decline of the red king crab? High Latitude Crabs: Biology, Management, and Economics. Lowell Wakefield Fisheries Symposium, University of Alaska Sea Grant College Program Report No. 96-02, pp. 591-612.
17. Leder, E. H., **T. C. Shirley** and C. E. O'Clair. 1995. Male size and female reproduction in Dungeness crab in Glacier Bay, Alaska. pp. 203-208 in Engstrom, D. R. (ed.) Proceedings of the Third Glacier Bay Science Symposium., 1993
16. O'Clair, C. E., L. Freese, R. Stone, **T. C. Shirley**, E. Leder, S. J. Taggart and G. Kruse. 1995. Nearshore distribution and abundance of Dungeness crabs in Glacier Bay National Park Alaska. pp. 196-202 in Engstrom, D. R. (ed.) Proceedings of the Third Glacier Bay Science Symposium, 1993.

Publications: Symposium Proceedings, Book Chapters, Processed Reports, etc.

15. **Shirley, T.C.** 1994. Effects of handling on feeding, activity and survival of red king crab. Annual Report to Alaska Dept. of Fish and Game. 26 pp.
14. **Shirley, T.C.**, J. W. Fleeger, C.E.O'Clair and S. Rice. 1993. Responses of intertidal and subtidal meiofauna to the Prince William Sound oil spill. Exxon Valdez Oil Spill Symposium: 354-356.
13. **Shirley, T.C.**, M. Carls, J. W. Fleeger and N. Schizas. 1993. Meiofaunal recolonization experiment with oiled sediments: major meiofauna taxa. Exxon Valdez Oil Spill Symposium: 350-353.
12. Fleeger, J. W., M. A. Todaro, **T. C. Shirley** and M. G. Carls. 1993. Meiofaunal recolonization experiment with oiled sediments: the harpacticoid copepod assemblage. Exxon Valdez Oil Spill Symposium: 176-178.
11. **Shirley, T. C.**, S. M. Shirley and S. D. Korn. 1990. Incubation period, molting and growth of female red king crabs: effects of temperature. Proceedings of the International King and Tanner Crab symposium. Lowell Wakefield Symposia Series 90-04: 51-63.
10. **Shirley, T. C.** 1990. Correct spelling of the scientific name of the red king crab. Proceedings of the International King and Tanner Crab symposium. Lowell Wakefield Symposia Series 90-04, p.viii.
9. Shirley, S. M. and **T. C. Shirley**. 1990. Diel feeding periodicity of larvae of the red king crab, *Paralithodes camtschatica*. Proceedings of the International King and Tanner Crab symposium. Lowell Wakefield Symposia Series, pp. 233-244.
8. **Shirley, T. C.** and J. W. Fleeger. 1990. Interannual variability of the meiobenthos in Auke Bay, Alaska, 1985-1989. IN Ziemann, D. A. and K. W. Fulton-Bennett, eds. APPRISE – Interannual Variability and Fisheries Recruitment, pp. 385-404
7. Fleeger, J. W. and **T. C. Shirley**. 1990. Pelagic –benthic coupling: harpacticoid copepod dynamics and sedimentation from spring phytoplankton blooms in Auke Bay, Alaska, 1985-89. IN Ziemann, D. A. and K. W. Fulton-Bennett, eds. APPRISE – Interannual Variability and Fisheries Recruitment, pp. 357-384.
6. **Shirley, T. C.** and S. M. Shirley. 1990. Planktonic survival of red king crab larvae in a subarctic ecosystem, 1985-89. IN Ziemann, D. A. and K. W. Fulton-Bennett, eds. APPRISE – Interannual Variability and Fisheries Recruitment, pp. 263-285.
5. Coyle, K. O. and **T. C. Shirley**. 1990. A summary of the fisheries and oceanographic research in Auke Bay, Alaska. IN Ziemann, D. A. and K. W. Fulton-Bennett, eds. APPRISE – Interannual Variability and Fisheries Recruitment, pp. 1-73
4. **Shirley, T.C.**, T.R. Meyers and S.M. Shirley. 1988. Alaska Dungeness crab biology and parasitology. Alaska Sea Grant College Program Final Report, Project Number R/06-20.
3. Hawkes, C. R., T. R. Meyers and **T. C. Shirley**. 1985. The prevalence of the rhizocephalan *Briarosaccus callosus* Boschma, a parasite in blue king crabs *Paralithodes platypus* (Brandt), of southeastern Alaska. Proceedings of the International King Crab Symposium. Lowell Wakefield Symposia Series. Alaska Sea Grant College Program Report No. 85-12, pp. 353-363.
2. Shirley, S. M., **T. C. Shirley** and T. R. Meyers. 1985. Hemolymph studies of blue king crab (*Paralithodes platypus*) parasitized by the rhizocephalan barnacle *Briarosaccus callosus*. Proceedings of the International King Crab Symposium. Lowell Wakefield Symposia Series 5: 341-352.
1. Meyers, T. R., **T. C. Shirley** and S. M. Shirley. 1985. A review of Dungeness crab diseases in NW America. Dungeness Crab Biology and Management, Lowell Wakefield Symposia Series 4: 209-221.

Dissertation, Thesis

- Shirley, T. C.** 1982. Spatial and temporal variations in community structure of the demersal macrofauna of a subtropical estuary. Ph.D. Dissertation, Louisiana State University, Baton Rouge, Louisiana. 137 pp.
- Shirley, T. C.** 1974. The echinoderms of Seven and One-Half Fathom Reef. Masters Thesis, Texas A&I University, Kingsville, Texas. 82 pp.

Book Reviews

- Shirley, T. C.** 1989. Under Alaskan Seas: the Shallow Water marine Invertebrates, by L. and N. Barr. Canadian Field Naturalist 103(1): 122-123.
- Shirley, T. C.** 1990. Proceedings of the Second International Conference on Copepoda. Syllogeus No. 58. G. Schriever, H. K. Schminke and C.-t. Shih (Eds.) Canadian Field Naturalist 103(2): 444.

Newsletters

Shirley, T.C. 2003. Energy linkages: eelgrass to shrimp to juvenile rockfish? *Onchorhynchus*, Newsletter of the Alaska Chapter, American Fisheries Society 23(4): 1-2.

Shirley, T.C. 2001. Windchill exposure of snow crabs. *Onchorhynchus*, Newsletter of the Alaska Chapter, American Fisheries Society 20(3): 1.

Shirley, T.C. 1988. Bits and Chips. Zeaux News, Department of Zoology and Physiology, Louisiana State University 3(1): 1, 5;

RESEARCH FUNDING

CRI: Planning a massive and heterogeneous data repository for computing research on the Gulf of Mexico (NSF), 2007-2009, \$48,810/

Seasonal aggregations of adult female Tanner crabs in Glacier Bay, Alaska (WC&PRURP), 2005-2007, \$110,463

Deep sea corals as habitat on Gulf of Alaska seamounts, NOAA Office of Ocean Exploration (OE), 2004-2006, \$65,000.

Reproductive biology of snow crab (with S. Tamone & G. Eckert), Alaska Dept. of Fish and Game (ADF&G), 2001-2005, \$352,095.

Tag retention in snow crabs, NOAA National Marine Fisheries Service (NMFS), 2002-2006, \$63,480

Temperature and energy reserves of snow crabs (TERS), ADF&G, 2002-2004, \$63,589.

Exploration of deep water crabs and other invertebrates in the western Gulf of Alaska; Ocean NOAA OE, 2002-2003, \$56,938

The archaeological and biological analysis of World War II shipwrecks in the Gulf of Mexico: a pilot study of the artificial reef effect in deep water; Mineral Management Service, 2003-2006, \$59,998.

Larval advection and retention of Alaskan Dungeness crab: interactions with phylogeography and stock structure; Alaska Sea Grant, 2004-2007, \$125,000

Deep sea precious corals as habitat for macroinvertebrates in Hawaii, NOAA OE, 2004-2005, \$23,295

Movement of primiparous female Tanner crabs: spatial dynamics of Tanner crab recruitment, NOAA NMFS, 2003-2007, \$16,664

Lipofuscin aging of snow crab, ADF&G, 2001-2004, \$120,000 (series of 3 related grants)

Digital camera for dissecting microscope, UAF TAB, 2003, \$3,200

Digital camera for compound microscope, UAF TAB, 2003, \$3,200

Digital video deck for JCSFOS new video laboratory, UAF TAB, 2002, \$2,200

Tag retention in Tanner crabs, ADF&G, 2001-2002, \$10,000

Bathymetric distribution of Dungeness crabs: effects of sea otters; West Coast National Undersea Research Program (WCNURP), 1998-2000, \$41,754

RESEARCH FUNDING (Continued)

Habitat use by golden king crab, West Coast National Undersea Research Program, 2000-02, \$61,795 (Related additional 2 grants from Alaska Sea Grant and WCNURP, 2002-03, approximately \$15,000)

Seasonal differences in the role of zooplankton in the distribution of hydrocarbons, Oil Spill Research Institute, 2001-2002, \$24,826

Seasonal differences in the role of zooplankton in transport of hydrocarbons, OSRI, 2000-01, \$23,879

Seasonal differences in the role of zooplankton in transport of hydrocarbons; OSRI, 1999-2000, \$23,879

Windchill effects on snow crabs, ADF&G, 1999-2000, \$41,449

Multi-Agency Dungeness Study (MADS); US Geological Survey, 1999-2000, \$9500

Zooplankton role in polyaromatic hydrocarbon distribution, Mineral Management Service, Coastal Marine Institute, 1999-2002, approximately \$24,000 per year

Snow crab natural mortality estimates, ADF&G, 2000-01, \$32,271

Bioenergetic study of snow crabs, ADF&G, 2000-01, \$21,636

Growth of snow crabs, ADF&G, 2000-01, \$20,465

Trawling effects in Gulf of Alaska, NOAA NMFS 1996-99, \$91,795

Seasonal differences in the role of zooplankton in transport of hydrocarbons, Oil Spill Research Institute (OSRI), 1998-99, \$23,879

Windchill effects on red king crab, ADF&G, 1998-99, \$48,011

Hatching cues for king crab, ADF&G, 1998-99, \$29,997

Forage fish study in PWS (with L. Haldorson), NOAA EVOS, 1998-99, \$245,000

Multi-Agency Dungeness Study, USGS, 1998-99, \$9500

Effects on wind chill on Tanner crabs" funded by ADF&G, 1998, \$10,011

Changes in Dungeness crab population structure following closure of the commercial fishery in parts of Glacier Bay National Park, USGS, 1997-98, \$19,000

Forage fish study in PWS, Alaska (with L. Haldorson), NOAA EVOS, 1997-98, \$380,000

RESEARCH FUNDING (Continued)

Investigation of deep water bark accumulation at log transfer and storage facilities (with C. O'Clair), WCNURP, 1997, \$10,000

Changes in Dungeness crab population structure following closure of the commercial fishery in parts of Glacier Bay National Park, Glacier Bay National Park, 1992, \$41,000

Impact of oil pollution on Alaskan meiofaunal communities, NMFS, 1991-92, \$47,264

Estimation of red king crab population size with a manned submersible, WCNURP, 1990-92, \$14,000

Effects of the Exxon Valdez oil spill on intertidal and subtidal meiofauna in Prince William Sound, NMFS, 1989-91

Meiofauna recolonization experiment in oiled sediments, NMFS, 1990-91

Sex and size-class structure of red king crab aggregations and characterization of preferred habitats, NOAA NURP, 1989-90, \$12,700

Larval biology of the weathervane scallop, Alaska Sea Grant Program, 1989, \$32,700

Handling Mortality of Dungeness crabs, Alaska Sea Grant Program, 1988-89, \$82,300

Investigation of the role of meiofauna in benthic-pelagic coupling in a subarctic ecosystem (with J. Fleeger), NOAA as part of APPRISE, 1985-92, \$309,000 (separate proposals were submitted and funded each year)

Interannual variation in recruitment of red king crab larvae, NOAA as part of APPRISE, 1987-92, \$50,000 (Separate proposals were submitted and funded each year)

Coastal fisheries oceanography of the southern Bering Sea and north Aleutian Basin: habitat requirements for red king crab larvae and juveniles, Mineral Management Service through NOAA NMFS, 1987-89, \$235,000

Reproductive biology of Dungeness crab, ADF&G, 1988, \$12,000

Biology and parasitology of Dungeness crab in southeastern Alaska (with T. Meyers and S. Shirley), Alaska Sea Grant, 1984-86, \$204,300

Summary of oceanographic and fisheries research conducted in Auke Bay, Alaska, NOAA as part of APPRISE, 1985-86, \$55,000

RESEARCH FUNDING (Continued)

Biology and parasitology of Dungeness crab in southeastern Alaska, Alaska Fisheries Research Center, 1984, \$35,113

Life history and hematology of the rhizocephalan parasite *Briarosacus callosus* and its king crab hosts, Alaska Fisheries Research Center, 1984-85, \$33,500

Temperature and salinity effects on larval development of Pinto abalone, Research Council of University of Alaska Juneau, 1983-84, \$4,655

Age structure of Alaskan sea urchin stocks, Research Council of University of Alaska Juneau, 1984, \$4,200

Equipment for use in ecological studies, Research Council of University of Alaska Juneau, 1984, \$2500

Graduate Student Supervision

24. Kilgour, Morgan, M.S. (TAMUCC) Spring 2007, "Bathymetric distribution and ecology of decapod crustaceans on WWII shipwrecks in the Gulf of Mexico" 62 pp.
23. Park, Wongyu, Ph.D. Spring 2007, "Advection and retention of larval Dungeness crab *Cancer magister* in Glacier Bay and adjacent areas" 166 pp.
22. Parker, Danielle, M.S. Fall 2006, "Bathymetric and spatial distribution of echinoderms on seamounts in the Gulf of Alaska" 97 pp. plus CD
21. Coon, Cathy, M.S. Spring 2006, "Retrospective analysis on the effects of trawling in the Gulf of Alaska and Aleutian Islands" 228 pp.
20. Nielsen, Julie, M.S. Fall 2005, "Habitat and movement of juvenile Tanner crabs *Chionoecetes bairdi*: nursery areas in Glacier Bay" 126 pp.
19. Short, Jeff, Ph.D. 2005. Seasonal variability of pristane in mussels (*Mytilus edulis*) in Prince William Sound, Alaska" 327 pp.
18. Scheduling, Karen, M.S. 2004, "Dungeness crab depth distribution: effects of sea otters" 96 pp.
17. Duesterloh, Switgard, Ph.D. 2002, "The role of copepods in the distribution of hydrocarbons: an experimental approach" 182 pp.
16. Hoyt, Zachary N., M.S. 2003, "Movement and habitat utilization by golden king crab *Lithodes aequispinus* Benedict 1895 in southeastern Alaska" 111 pp.
15. Warranchuk, Jonathan J., M.S. 2001, "The effects of wind chill exposure on the snow crab *Chionoecetes opilio*" 126 pp.
14. Swiney, Kathy, M.S. 1999, "Reproductive cycle of the Dungeness crab, *Cancer magister*, in southeastern Alaska" 136 pp.
13. Mooney, Jill, M.S. 1999, "Spatial variation in krill distribution and bioenergetics in Prince William Sound" 172pp.
12. Maniscalco, John M., M.S. 1997, "Seabirds at feeding flocks in Prince William Sound." 79 pp.
11. Zhou, Shijie, Ph.D. 1996, "The red king crab fishery: handling effects, bait efficiency, and pot behavior." 192 pp.
10. Gende, Scott, M.S. 1996, "Nesting success of bald eagles in southeast Alaska." 120 pp.
9. Schultz, Deborah A., M.S. 1996, "Activity and feeding of female Dungeness crabs." 112 pp.

8. Schizas, Nikolas, M.S. 1995, "Seasonal changes in structure of an Alaskan intertidal meiofaunal assemblage." 137 pp.
7. Leder, Erica, M.S. 1994, "Reproductive biology of female Dungeness crabs in Glacier Bay, Alaska: the effects of the size and abundance of males." 117 pp.
6. Stone, Robert P., M.S. 1991, "Seasonal migration and distribution of female red king crab in a southeast Alaska estuary." 142 pp.
5. McGregor, Susan B., M.S. 1990, "Seasonal and ontogenetic changes in the importance of meiofauna in the diets of postmetamorphic flatfish in a subarctic ecosystem." 121 pp.
4. Molyneaux, Douglas B., M.S. 1988, "Molting and growth of eyestalk-ablated juvenile red king crabs (*Paralithodes camtschatica*)". 55 pp.
3. Sturdevant, Molly V., M.S. 1987, "Feeding ecology of postmetamorphic flatfish." 195 pp.
2. Standley, Christine Selin, M.S. 1986, "Temperature and salinity effects on gamete viability and early development of pinto abalone, red sea urchins and green sea urchins." 82 pp.
1. Kondzela, Christine Forrest, M.S. 1986, "Survival, feeding and growth of juvenile Dungeness crabs from southeastern Alaska reared at different temperatures." 80 pp.

Graduate Students in Progress:

Candidate

1. Baldwin, Arron, Ph.D. (Expected S06), "Population biology, trophic position, and behavioral ecology of the grass shrimp *Hippolyte clarki* (Decapoda, Caridea)". **Candidate**
2. Etnoyer, Peter, Ph.D. (TAMUCC, Expected S09), "Systematics and distribution of deep-sea corals in the Gulf of Mexico.
3. Burrows, Julia, M.S. (Inactive), "Reproductive potential and fecundity of female Dungeness crabs: the effect of marine protected areas"

I have also served on graduate committees of the following students:

- Julie Barber (Univ. of Rhode Island, M.S., Summer 2004)
- Jennifer Boldt (Spring 1998; M.S.)
- Mike Byerly (Fall 2001, M.S.)
- Elizabeth Calvert (Spring, 2005)
- Kristin Cieciel (Spring, 2004, M.S.)
- Jan Conitz (Spring 2000, M.S.)
- Ben Daly, (Spring 2007, M.S.)
- Matt Foster (August 2003 M.S.)
- Caihong Fu (Spring 2000, Ph.D.)
- Jessica Gharrett (Spring 1987, M.S.)
- Clayton Hawkes (Spring 1984, M.S.)

Graduate Committees, (continued)

- Heidi Herter (Fall 2006, M.S.)

Nicola Hillgruber (Spring, 1994; M.S.)
Brenda Holladay (Fall 2001, M.S.)
Steve Jewett (Fall, 1997, Ph.D.)
Nicole Jones (Spring, 1991, M.S.)
Edward Kline (Spring, 1998, Ph.D.)
Alfredo Lafarga (Spring 1995, M.S.)
David Love (Spring, 1992; M.S.; I supervised thesis revisions, as his chairman left UAF)
Julia Mabry (Spring, 2000 M.S.)
Jacqueline Mitchell (Fall, 2006, M.S.)
Adam Moles (Fall, 1997; Ph.D.)
Marc Pritchett (Fall, 1990; M.S.)
David Sterritt (Spring, 1988; M.S.)
Jamie Thompson (Spring 2005, M.S.)
Genefor Kylie Walker-Smith (December 2003, Ph.D., Univ. of Melbourne, AUS)
John Watts (Spring, 1988, M.S.)
Joel Webb (Spring, 2006, M.S.)
Keith Weiland (Spring, 1988; M.S.)
Jamie Womble (August, 2003, M.S.)

IN PROGRESS (graduate committees)

Carrie Belben (In Progress, M.S.)
Larissa Bright (In Progress, TAMUCC, M.S.)
Stephanie Haverlack (In progress, M.S.)
Scott Large (In Progress, TAMUCC, M.S.)
Andra Love (In Progress, Ph.D.)
David Miller (In progress, Ph.D.)
John Pugh (LOA, M.S.)
Ray Schmidt (In progress, TAMUCC, M.S.)
Mathew Schweitzer (In progress, TAMUCC, M.S.)
John Wood (In Progress, TAMUCC, Ph.D.)
Lauren Young (In progress, TAMUCC, M.S.)

INSTRUCTIONAL EXPERIENCE

Courses Taught: All at University of Alaska (except as noted)

Benthic Ecology CMSS 6590 (TAMUCC)	Marine Ecosystems MSL 652
Fisheries Oceanography, Fish 694	Zooplankton Ecology, MSL 653
Marine Biology MSL 610	Benthic Ecology Fish/MSL 654
Biological Oceanography MSL 650	Cell and Animal Physiology BIOL 310
Biology of Commercially Important Invertebrates, FISH 481	Scientific Photography BIOL 493
Invertebrate Zoology, BIOL 305	Ecology BIOL 310
Marine Ecology, BIOL 483	Recreational Fisheries, FISH 193
Intro. Invert. Zoology, ZOOL 1002 (at LSU)	Honors Invert. Zoology, ZOOL 1003 LSU
Principles of Biology, BIOL 113	General Biology BIOL 1001 (at LSU)

Assisted with the following courses

Marine Zoology
Physiology of Estuarine Organisms
Experimental Embryology
Oceanography

General Botany
Scientific Writing
Marine Communities
Ichthyology

Instruction at University of Alaska

Spring 1983

Biology 310, Cell and Animal Physiology (4 credits) (co-taught with Gharrett)
Biology 113, Principles of Biology - assisted with lab and field trips

Fall 1983

Biology 305, Invertebrate Zoology (4 credits)
Biology 493, Scientific Photography (2 credits)
Fishery 600, Scientific Communications – I presented 2 lectures
Biology 113, Principles of Zoology – assisted with lab and field trips

Spring 1984

Biology 493, Marine Ecology (3 credits)
Fishery 600, Scientific Communications – I presented 2 lectures
Biology 113, Principles of Biology - assisted with lab and field trips; several lectures
Oceanography 411, Fisheries 445 Sampling Methods: gave 2 lectures for each course

Fall 1984

Biology 281, Ecology (4 credits)
Fisheries 383, Biology of Commercially Important Invertebrates (3 credits)
Fisheries 600, Scientific Communications – presented 2 lectures
Fisheries Research 699, Thesis Research (1 student, 6 credits)

Spring 1985

Biology 113, Principles of Biology (4 credits)
Fisheries 692, Seminar in Invertebrate Fisheries (1 credit)
Fisheries 193, Sportfishing (1 credit) – I taught 1 of 4 Saturday lectures
Fisheries 699, Thesis Research (6 credits)

Fall 1985

Biology 113, Principles of Biology (4 credits)
Biology 305, Invertebrate Zoology (4 credits)
Biology 297, Special Problems in Computer Applications (1 credit)
Fisheries 699 (6 credits)

Spring 1986

Biology 113, Principles of Biology (4 credits)
Biology 493, Marine Ecology (3 credits)
Fisheries 699, Thesis Research (18 credits)

Fall 1986

Biology 113, Principles of Biology (4 credits)
Fisheries 383, Biology of Commercially Important Inverts (4 credits)
Fisheries 699, Thesis Research (14 credits)

Spring 1987

Biology 113, Principles of Biology (4 credits)
Biology 310, Cell and Animal Physiology (4 credits)
Fisheries 697, Special topics in computer graphics (3 credits)
Fisheries 697, Rearing Techniques for bivalve larvae (3 credits)
Fisheries 699, Thesis Research (12.5 credits)

Fall 1987

Biology 481, Marine Ecology (3 credits), Fisheries 699, Thesis Research (10 credits)
Biology 305, Invertebrate Zoology (4 credits)
Biology 693, Special Topics in Crab Histology (1 credit)

T. Shirley, Instruction at University of Alaska (Continued)

Spring 1988

Fisheries 693, Zooplankton Ecology (4 credits)
Biology 493, Scientific Photography (3 credits)
Fisheries 699, Thesis Research (10 credits)

Fall 1988-Spring 1999 – Sabbatical Leave to Duke University

Fall 1989

Biology 305, Invertebrate Zoology (4 credits)
Fisheries 699, Thesis Research (3 credits)

Spring 1990

Fisheries 694, Fisheries Oceanography (3 credits; I taught approx. 1/3 of the course)
Fisheries 699, Thesis Research (4 credits)

Spring 1991

Fisheries 692, Zooplankton Ecology (3 credits)
Biology 481, Marine Ecology (3 credits)
Fisheries 699, Thesis Research (4 credits)

Fall 1991

Fisheries 699, Thesis Research (5 credits)

Spring 1992

Marine Sciences 640, Fisheries Oceanography (3 credits; I taught approx. 1/3 of the course)

Fisheries 401, Fisheries Management (3 credits); I taught 2 weeks of the course
Fisheries 699, Thesis Research (5 credits)

Fall 1992

Biology 305, Invertebrate Zoology (4 credits)
Fisheries 699, Thesis Research (13 credits)

Spring 1993

FISH 401, Fisheries Management (3 credits) – I taught 2 weeks of the course in Fairbanks
Fisheries 699, Thesis Research (13 credits)

Fall 1993

Fisheries 693, Benthic Ecology (3 credits)
Fisheries 692, Departmental Seminar (1 credit)
Fisheries 699, Thesis Research (5 students, 5 credits)

Spring 1994

Biology 481, Marine Ecology (3 credits)
Biology 497, Special Topics in Meiofauna Ecology (1 credit)
Fisheries 693, Zooplankton Dynamics (3 credits)
Fisheries 699, Thesis Research (5 students, 9 credits)
MSL 640, Fisheries Oceanography (1.5 weeks, 3 credit course)

Fall 1994/Spring 1995 – Sabbatical leave to Australia

Fall 1995

Marine Science 652, Marine Ecosystems (3 credits, co-taught)
Fisheries 692, Benthic Ecology (3 credits)
Fisheries 699, Thesis Research (5 students, 15 credits)

Spring 1996

Fisheries 699, Thesis Research (4 students, 20 credits)
Fisheries 697, Special Topics, Benthic Ecology (3 credits)

T. Shirley, Instruction at University of Alaska (Continued)

Fall 1996

Marine Science 610, Marine Biology (3 credits)
Fisheries 692, Departmental Seminar (1 credit)
Fisheries 699, Thesis Research (5 students, 8 credits)

Spring 1997

Fisheries 692, Benthic Ecology (3 credits)
Fisheries 699, Thesis Research (5 students, 10 credits)

Summer 1997

Fisheries 697, Special Topics in Research Sub Techniques (1 credit)

Fall 1997

Marine Science 652, Marine Ecosystems (3 credits)
Fisheries 699, Thesis Research (5 students, 10 credits)

Spring 1998

Fisheries 692, Zooplankton Dynamics (3 credits)
Fisheries 699, Thesis Research (6 students, 12 credits)

Fall 1998

Marine Science 610, Marine Biology (3 credits)
Fisheries 699, Thesis Research (6 students, 28 credits)

Spring 1999

Marine Science 654, Benthic ecology (3 credits)
Fisheries 699, Thesis Research (6 students, 33 credits)

Fall 1999

Marine Science 652, Marine Ecosystems (3 credits)
Fisheries 699 Thesis Research (7 students, 31 credits)

Spring 2000

Fisheries/Marine Science 653 Zooplankton Ecology (3 credits)
Fisheries 692 Departmental Seminar (1 credit)
Fisheries 699 Thesis Research (5 students, 24 credits)

Fall 2000

Marine Science 610 Marine Biology (3 credits)
Fisheries 699 Thesis Research (8 graduate students, 20 credits)

Spring 2001

Fisheries 699 Thesis Research (7 graduate students, 28 credits)

Fall 2001 – Spring 2002

Sabbatical Leave

Fisheries 699 Thesis Research (5 graduate students, 20 credits)

Fall 2002

MSL 652 Marine Ecosystems (3 credits) (Co-taught with Dr. G. Kruse)
Fisheries 699 Thesis Research (6 graduate students, 20 credits)

Spring 2003

MSL 650 Biological Oceanography (3 credits)
Fisheries 699 Thesis Research (6 graduate students, 20 credits)

Fall 2003

MSL 610 Marine Biology (3 credits)
Fisheries 693, Graduate Seminar (1 credit)
Fisheries 699 Thesis Research (6 graduate students, 20 credits)

T. Shirley, Instruction at University of Alaska (Continued)

Spring 2004

Fisheries/MSL 654 Benthic Ecology (3 credits) – also taught distance delivery to Fairbanks

and Anchorage

Fisheries 699 Thesis Research (6 graduate students, 20 credits)

Fall 2004

MSL 652 Marine Ecosystems (3 credits) (co-taught with Dr. G. Kruse)

Fisheries 699 Thesis Research (8 graduate students, 27 credits)

Spring 2005

MSL 650 Biological Oceanography (3 credits)

Fisheries 699 Thesis Research (8 graduate students, 29 credits)

T. Shirley, Instruction at Texas A&M University-Corpus Christi

Spring 2007

CMSS 6590 Benthic Ecology (3 credits)

PROFESSIONAL DEVELOPMENT

Professional Societies:

American Association for the Advancement of Science (AAAS)

American Fisheries Society (AFS)

American Geophysical Union (AGU)

American Institute of Biological Sciences (AIBS)

American Society of Limnology & Oceanography (ASLO)

American Society of Zoologists (ASZ); **now** Society for Integrative and Comparative Biology (SICB)

Arctic Institute of North America (AINA)

Biological Society of Washington

Estuarine Research Federation (ERF)

International Association of Meiobenthologists

National Shellfisheries Association (NSA)

Pacific Estuarine Research Society (PERS)

Sigma Xi

The Crustacean Society (TCS)

The Oceanography Society (TOS)

Western Society of Naturalists (WSN)

Presentations at Meetings (number in parentheses when more than one)

AAAS: 1985, 1986

AFS (Alaska Chapter): 1986(2), 1992(2), 1997, 2000(2), 2007

AFS (National): 1993, 2003 (2, Quebec), 2005 (4, Anchorage)

Alaska Marine Science Symposium: 2006

Association of Marine Labs of the Caribbean: 2007

ASLO: 1987, 1988, 1989(2), 1990, 2002, 2005 (2), 2006, 2007

ASZ: 1975, 1977, 1978, 1981, 1983, 1984, 1987(5), 1988(3), 1989(2), 1990

APPRISE Workshop: 1986, 1987, 1991

Association of Southeastern Biologists: 1978

Bering to Baja (B2B) workshop: 2003 (2, Vancouver)

Biology, Management & Economics of Crabs from High Latitude: 1995(4)

Benthic Ecology Meetings: 1991 (Providence, RI)

Coastal Marsh and Estuaries Symposium: 1978

Crab 2001, Crabs in Cold Water Regions: 2001 (4)

Crab Enhancement Workshop, Kodiak: 2006

Estuarine Research Federation: 2003 (4), 2007

European Marine Biology Symposium: 1983 (Oslo)

EXXON Valdez Oil Spill Symposium: 1993(3), 1997 (2)

Glacier Bay Science Symposium: 1993(2), 2004 (3)

Gulf Estuarine Research Society: 1976, 1980, 1986

International Association of Meiobenthologists: 1989(Vienna), 1992, 1995 (France); 1998 (England), 2004 (Italy)

International Copepod Conference: 1993

International Crustacean Conference (Melbourne, AUS), 2001

International Echinoderm Conference: 1981 (St. Petersburg)

International Flatfish Conference: 1990 (Texel, The Netherlands)

International King Crab Symposium: 1985, 1989(2)

International Krill Symposium: 1999

International Symposium on Deep Sea Corals (Miami): 2006(3)

Interagency Crab Meetings: 1999, 2000, 2001(4), 2002 (5), 2003 (6), 2004 (3), 2005(4)

King Crab workshop: 1987, 1988

Kodiak Fisheries Institute: 1991, 1992

Kodiak

Larval Ecology Meetings: 1993 (Long Island)

MMS Information Transfer Meeting, New Orleans: 2007

North American Benthological Society: 1980

NSA: 1997

PERS (Pacific Estuarine Research Society): 1996(2)

Petroleum Refiners Council of Louisiana: 1975, 1976, 1977

PICES (Pacific ICES): 2003 (2, Spain)

SICB: 1997, 1998, 1999(2), 2001

Spatial Processes & Management of Marine Populations: 2000 (4)

Symposium on Biology and Management of Dungeness Crab: 1984 (I chaired this symposium)

Texas Academy of Science: 1973

The Crustacean Society: 1983, 1987, 1989, 1998, 1999(3), 2003, 2006(3)

Third International Symposium on Marine Biogeography & Evolution: 1988 (Hong Kong)

Presentations at Meetings (number in parentheses when more than one) continued

Western Groundfish Conference: 1998 (Asilomar, CA)

Western Society of Naturalists: 1985(3), 1986(3), 1993(4), 2002, 2003, 2004 (2)

Invited Presentations

Coastal Bend Audubon Society, “WWII shipwrecks as surrogates for deepwater artificial reefs in the Gulf of Mexico”; Nov.7, 2006

Census of Marine Life National meeting, HRI, TAMUCC, Nov. 15, 2006

Smithsonian Environmental Research Center, Edgewater, Maryland, Nov. 2, 2006.

TAMUCC, Natural Resource Center staff meeting: “Electronic crabs in research”, Jan. 10, 2006

University of Texas Marine Science Center, October 10, 2005: “Invertebrate assemblages on deep-sea corals”

Marine Science Educational Workshop, Office of Ocean Exploration, Seward Sealife Center, Seward, Alaska, Sept. 10, 2005

Gulf of Mexico Mini-Symposium, TAMUCC, HRI, Nov. 8, 2005, “Use of shipwrecks as surrogates of deep-water artificial reefs: bathymetric distribution of invertebrates”

Harte Research Council meeting, lunch seminar, HRI, TAMUCC, Nov. 8, 2005, “Biodiversity and conservation of marine invertebrates”

Fireside Chat Seminar, U.S. Forestry Service, Juneau , Alaska, January 21, 2005, “Islands beneath the sea: exploring Alaska’s seamounts”

Juneau Center, SFOS UAF Friday Seminar Series, January 28, 2005, “Deep-sea corals and their faunal assemblages on sea mounts in the Gulf of Alaska”

KTOO Radio, Juneau, Alaska, January 20, 2005, “ Exploring Alaska’s seamounts”

Museum of Northern California, 11 November 2004, “Biology and geology explorations in the Gulf of Alaska using the Alvin submersible”

University of Rhode Island, July 22, 2004, “The role of seamounts and deep water crabs as essential fish habitat: should they be marine protected areas?”

University of Heidelberg, Germany, 8 December 2003, “Deep water corals as habitat for invertebrates on Alaskan seamounts”

Luncheon speaker for Glacier Valley Rotary Club, Juneau, May 28, 2003 “Alaskan seamounts: islands beneath the sea”

Invited Presentations (continued)

Chico University, Chico, California, November 12, 2002 “Bathymetry and biology of crabs on seamounts in the Gulf of Alaska”

Seminar, Alaska Department of Fish and Game, Juneau, Alaska, December 2, 2002.

Texas A&M University, Corpus Christi, Texas, August 20, 2002.

Invited Seminar Speaker, Bodega Bay Marine Laboratory, July 21-24, 1999.

Louisiana State University, Dept. of Zoology and Physiology, May 23, 1999
“Windchill effects on Bering Sea crab fisheries”

Anchorage MAP Public Lecture Series, March 12, 1998 – “Sea otters and nearshore crab fisheries”

Luncheon speaker for Glacier Valley Rotary Club, Juneau, Sept. 2, 1998
“Dungies, sea otters and dead whales”

Trawling workshop, Fairbanks, March 17, 1998

Invited seminar speaker at the following universities during sabbatical leave:

University of Melbourne; Monash University; Northern Fisheries Center (Cairns); Victoria Inst. of Marine Science (Melbourne); Victoria Fisheries Research Institute (Queenscliff); Deakin University (Warnambool); Fisheries Research Institute, NSW (Cronulla); CSIRO Labs, Hobart, Tasmania; University of Tasmania Launceston: 1994-95

Kodiak Fisheries Institute, January 20-23, 1992 – Reproductive biology of red king crab

Kodiak Fisheries Institute, March 20, 1991 – Ecology and management of the red king crab

Central Michigan University, March 22, 1990

University of Washington School of Fisheries, Jan. 24, 1990

Duke University Marine Lab, February 1, 1989

University of South Carolina, Belle Baruch Institute, October 4, 1988

Louisiana State University, Department of Zoology & Physiology, November 18, 1988

University of Southwestern Louisiana, Lafayette, November 17, 1988

Professional Meeting Participation

Co-Chair, Invasive Species of the Gulf of Mexico and Caribbean, Feb. 27-28, 2007, Harte Research Institute, Texas A&M University-Corpus Christi.

Co-Chair, National meeting of The Crustacean Society, May 22-26, 2006, Juneau Alaska.
Plenary Speaker: “Does size matter? A long-term study in a high latitude MPA”

Crab Enhancement Workshop, Kodiak, Alaska, March 12-17, 2006. I was an invited speaker and Rapporteur.

Session Chair, Western Society of Naturalists, Pomona, California, November 12-14, 2004

Program Committee, Glacier Bay Science Symposium, Juneau, Alaska, October 25-28, 2004.

Session Chair, Program Committee and Co-Editor, Lowell Wakefield Symposium on Assessment and Management of Fisheries in Data-Limited Situations, October 22-25, 2003

Chair, Mini-Symposium on Glacier Bay as a Marine Protected Area, Estuarine Research Federation, Seattle, Washington – September, 2003

Program Committee and Co-Editor, Crabs in Cold Water Regions: Biology, Management and Economics, Anchorage, Alaska, October, 2001

Session Chair, Pacific Estuarine Research Society, Olympia, Washington, May 2-4, 1996

Program Committee Chairman, International King Crab Symposium, Anchorage, Alaska, November 26-28, 1989

Chairman, Contributed Session, Crustacean Society Annual Meeting, Boston, Dec. 26-30, 1989.

Co-Chairman, King Crab Workshop, Juneau, Alaska, April 28, 1988

Co-Chairman, King Crab Workshop, Juneau, Alaska, April 28, 1987

Program Committee, 4th Annual Alaska Aquaculture Conference, Anchorage, Nov. 18-21, 1987

Chairman, Oceanography Contributed Session, AAAS, Arctic and Western Divisions Annual Meeting, Vancouver, June 8-12, 1986

Program Chairman, Symposium on Dungeness Crab Biology and Management, Anchorage, Alaska, October 9-11, 1984.

UNIVERSITY SERVICE

Policy Committee for CMSS doctoral program, TAMUCC, 2006-present
Faculty Selection Committee, Oceanography, TAMUCC, 2005-6
Chair, SFOS Curriculum Committee, 2004-2005
Chair, SFOS Sabbatical Committee, 2004-2005
Chair, Scholarship Committee, Fisheries Division, SFOS, 2004-2005
SFOS Dean's Search Committee, 2002-2004
SFOS Sabbatical Review Committee, 2003-04
SFOS Curriculum Committee, 2002-03
Consolidated Facilities Committee (Planning and design of new Fisheries building at Lena Point) with Dr. A. Gharrett, from its inception (1994?)
Advisory Council, UAS Biology Department, 1999-2000
Editor, Fisheries Division Newsletter, 1998-2001)
Faculty Selection Committee, FITC SFOS, 1999-2000
Faculty Selection Committee, WCNURC, SFOS (1998-99)
Faculty Selection Committee, Univ. of Alaska Southeast (UAS) Biology faculty, 2 positions (1998-99)
Faculty Selection Committee, MAP SFOS (1998-99)
External Reviewer, UAS Tenure Committee (1998-99)
SFOS Promotion, Tenure, Post-tenure Subcommittee (1998-2000)
Directors Committee, JCSFOS (1995-96)
Executive Council, SFOS (1992-94)
External Reviewer for Promotion and Tenure for Univ. of Alabama Birmingham; University of Georgia, and Louisiana State University, 1993-94
Long Range Planning Committee, SFOS (1991)
Tenure Review Committee (External Reviewer for Louisiana Marine Consortium) 1991
Ad Hoc Sabbatical Committee, SFOS, (1990, 1991)
Editorial Board, SFOS Bulletin (1989-91)
Boat policies and Procedures Task Force (1991-93, and beyond)
Selection Committee for IMS SFOS Invertebrate Zoologist (1990)
University of Alaska President's Task Force (Fisheries Reorganization 1987-88); Workshop at Chena Hot Springs, Nov. 1987.
Radiation Safety Officer UAJ/UAS (1986-87)
Staff Development Committee UAJ (1987)
Faculty Evaluation Committee UAJ (1985-86)
Tenure Review Committee UAJ (1985-86)
Sabbatical Review Committee UAJ (1985-86)
UAJ Financial Aid Committee (1985-86)
Recreation & Sports Facility Committee UAJ (1985-86)
Chairman, Scholarship Committee, School of Fisheries & Science (JCFOS) (1984-87)
Chairman, Scholarship Committee, Juneau Center for Fisheries & Ocean Sciences, 1989-91.
Art in Public Places Committee UAJ (1984-85)
UAJ Darkroom Committee (1985-86)
Kasitsna Bay Facility Evaluation and Utilization Committee (1985)
UAJ Pathologist Selection Committee (1985-86)

UNIVERSITY SERVICE (continued)

UAJ Physiologist Selection Committee (1985)
School of Fisheries Space Utilization Committee (1987-88)
Selection Committee for Fish Nutritionist (1988)
Chairman, C. L. Anderson Committee (1984-87)
Chairman, Roger Boyden Scholarship Committee (1984-87)
University of Alaska Juneau Planning Team (1985-86)
School of Fisheries Boat Committee (1986-87)
Registration, advising - On registration days and ongoing

PUBLIC/COMMUNITY SERVICE

National Ocean Science Bowl, Science Judge, Texas A&M Univ.-Corpus Christi – 2006, 2007
Board of Directors, Coastal Bend Bays Foundation, 2005-present.
Oversight Science Judge, Coastal Bend Science Fair, April 27-29, 2007.
Judge, Graduate Student Symposium, TAMUCC, April 21, 2007
North Pacific Fisheries Management Council, Crab Plan Team, 1987 - 2005
Identified crabs, parasites and other invertebrates for the public, and state and federal agencies routinely.
Attended N. American Pacific Commission Workshop for Environmental Cooperation to identify priority areas for conservation and made 2 presentations, April 22-24, 2003
Judge, Juneau-Douglas High School Science Fair, 1996-present. Also, I mentored 3 students preparing for the science fair in 2002-2004
Collected and shipped live king crabs for the NY Aquarium, 1999; I have done this 3 times over the past decade
Staff Naturalist for Smithsonian Associates Expedition to Barrow, Alaska, July 7-11, 1992
Naturalist and guide for intertidal fieldtrip by spouses attending Airport Managers Workshop, Juneau, June 13, 1992
Invited evaluator of new database and software for NOAA; Bering, Chukchi, and Beaufort Seas Living Resources Assessment Workshop, Chena Hot Springs, Alaska; April, 1988.
Interview on KTOO (local radio) on fisheries research; September 8, 1987. TV interview aboard research vessel, September 11, 1987. Live television interview, Feb 23, 1985 (at half-time of UAJ basketball game) addressing School of Fisheries.
Established the C. L. Anderson Fund (for Univ. of Alaska Fisheries graduate students) by soliciting donations from friends of the namesake of the building housing the Juneau Center for Fisheries and Ocean Sciences. The initial amount raised was \$3200 (in 1983-84) and its revenue has generated travel money for 1-2 of our graduate students.
Seminars on use and concerns of radioisotopes to university Physical Plant personnel, October 15 & 20, 1987
Invited Participant, Alaska Dept. of Fish and Game Shellfisheries Biologists workshop, November 4, 1986.

PUBLIC/COMMUNITY SERVICE (continued)

Invited Lecturer, Glacier Bay National Park, July, 1986, where I lectured to Forest Service Biologists on marine ecology and crab life history.
Reviewed and evaluated (anonymously) all 1983 and 1986 publications of the NMFS Auke Bay Labs, for their Conkle Best Paper Award (50-70 papers each year).
Invited Lecturer, Mountain View Senior Center, Juneau, October 24, 1985
On Sunday, 8 October 1989, I lectured to a High School science class from Skagway.
Co-Instructor of workshop, "Log transfer facilities and estuaries in SE Alaska," National Forest Service, Petersberg, Alaska, January 24, 1984.
League Director (2nd Vice President), Juneau Youth Football League, 1985-87
Assistant Coach, Juneau Youth Football League, 1985 (We were Co-League Champs!)
National Eagle Scout Association, SE Alaska Chapter, 1983-85
Board of Directors, Baton Rouge Chapter, National Audubon Society, 1982
Board of Directors, Baton Rouge Marathon, 1978
Faculty Advisor, International Olympics, Baton Rouge, 1980
Science Fair Judge, Local and State Level, Louisiana, 1977-78

HONORS, AWARDS

Excellence in Partnering Award, National Oceanographic Partnership Program (NOPP), 2006
Professor Emeritus, University of Alaska Fairbanks, 2006
Cooperative Conservation Award, Dept. of the Interior, 2005
American Men and Women of Science, 1991
Who's Who in America in Science and Engineering, 1991
Emerging Leaders of America, 1989
Sigma Xi, Promoted to Full Membership, 1988
Five Thousand Personalities of the World, 1988
Who's Who in America in Frontiers of Science & Technology, 1986
Personalities of America, 1985
Who's Who in the West, 1986
International Directory of Distinguished Leadership, 1986
Best Poster, American Fisheries Society, Alaska Chapter, November, 1986 (Co-author)
Outstanding Young Man of America, 1983
Dean's List, Texas A&I University
Distinguished Student, Texas A&I University, 1972-73
Caesar Kleberg Wildlife Foundation Fellow, 1971-73
Fellowship, Petroleum Refiners Environmental Council of Louisiana, 1973-75
Bronze Star, U.S. Army Vietnam, 1971
Eagle Scout 1962

REVIEWER FOR

Journals and Publishers

Alaska Fisheries Research Bulletin
Alaska Sea Grant – Symposia Series
American Midland Naturalist
Aquatic Living Resources
Canadian Field-Naturalist
Canadian J. of Fisheries & Aquatic Sciences
Estuaries
Fisheries Bulletin
Fisheries Research
Gulf and Caribbean Research
ICES Journal of Marine Science
J. Crustacean Biology
J. Crustacean Research
J. Experimental Marine Biology & Ecology
Journal of Morphology
Louisiana Academy of Sciences
Marine Biology
Marine Biology Research
Marine and Fresh Water Research
Marine Ecology Progress Series
Netherlands J. of Sea Research
New Zealand Journal of Marine & Freshwater Biology
North American Journal of Fisheries Management
Polar Biology
Progressive Fish Culturist
Scienza Marina
Society for Integrative and Comparative Biology
Texas A&M University Press
University of Alaska Press
Wiley-Press

Funding Agencies and Laboratories

Alaska Fisheries Research Center, Kodiak, NOAA, NMFS,
Alaska Science and Technology Foundation
Alaska Sea Grant
Auke Bay Labs, NMFS, NOAA
California Sea Grant
Fisheries Rehab. and Enhancement Div.
Alaska Department of Fish and Game
GEM: Gulf Ecosystem Monitoring
Louisiana Sea Grant
Mississippi-Alabama Sea Grant
National Science Foundation
National Sea Grant
National Undersea Research Program, NOAA, National Office
National Undersea Research Program, NOAA, Western Regional Office

REVIEWER FOR (Funding Agencies and Laboratories) continued

North Pacific Fisheries Research Board
Ohio University, Faculty Development
Sanctuaries and Reserve Division, NOAA
South Carolina Sea Grant
Washington Sea Grant

LANGUAGES

I have reading proficiency in both German and Spanish; completed four semesters of courses in each language.