

## 1995 REFEREED PUBLICATIONS

1. Anderson, P.M.; Walsh, P.J. 1995. Subcellular localization and biochemical properties of the enzymes of carbomyol phosphate and urea synthesis in the Batrachoidid fishes. *Opsanus beta*, *Opsanus tau* and *Porichthys notatus*. *Journal of Experimental Biology* 198:755-766.
2. Bates, W.R. 1995. Direct development in the ascidian *Molgula retortiformis*' (Verrill, 1871) *Biol. Bull.* 188:16-22.
3. Carefoot, T.H.; Donovan, D.A. 1995. Functional significance of varices in the muricid gastropod *Ceratostoma foliatum*. *Biol. Bull.* 189:59-68.
4. Carefoot, T.H.; Taylor, B.C. 1995. *Ligia*: a prototypal terrestrial isopod. *Crustacean Iss.* 9:47-60.
5. de Jong-Westman, M.; March, B.E.; Carefoot, T.H. 1995. The effect of different nutrient formulations in artificial diets on gonad growth in the sea urchin *Strongylocentrotus droebachiensis*'. *Can. J. Zool.* 73:1495-1502.
6. de Jong-Westman, M.; Qian, P.-Y.; March, B.E.; Carefoot, T.H. 1995. Artificial diets in sea urchin culture: effects of dietary protein level and other additives on egg quality, larval morphometrics, and larval survival in the green sea urchin, *Strongylocentrus droebachiensis*'. *Can. J. Zool.* 73:2080-2090.
7. Dyck, L.; DeWreede, R.E. 1995. Patterns of seasonal demographic change in the alternate isomorphic stages of *Mazzaella splendens* (Gigartinales, Rhodophyta) *Phycologia* 34:390-395.
8. Gosselin, L.A.; Chia, F.-S. 1995. Characterizing temperate rocky shores from the perspective of an early juvenile snail: the main threats to survival of newly hatched *Nucella emarginata* *Mar. Biol.* 122:625- 635.
9. Gosselin, L.A.; Chia, F.-S. 1995. Distribution and dispersal of early juvenile snails: effectiveness of intertidal microhabitats as refuges and food sources. *Mar. Ecol. Prog. Ser.* 128:213-223.
10. Hurd, C.L.; Berges, J.A.; Osborne, J.; Harrison, P.J. 1995. An in vitro nitrate reductase assay for marine macroalgae: optimization and characterization of the enzyme for *Fucus gardneri* (Phaeophyta). *J. Phycol.* 31:835-843.
11. Jegla, T.; Grigoriev, N.; Gallin, W.J.; Salkoff, L.; Spencer, A.N. 1995. Multiple Shaker potassium channels in a primitive metazoan. *J. Neurosci.* 15:7889-7999.

12. Lawrence, J.M.; Robbins, B.D.; Bell, S.S. 1995. Scaling of the pieces of the Aristotle's lantern in five species of *Strongylocentrotus* (Echinodermata: Echinoidea) *J. Nat. Hist.* 29:243-247.
13. Levitan, D.R.; Young, C.M. 1995. Reproductive success in large populations: empirical measures and theoretical predictions of fertilization in the sea biscuit *Clypeaster rosaceus*. *J. Exp. Mar. Biol. Ecol.* 190:221-241.
14. Levitan, D.R.; Petersen, C. 1995. Sperm limitation in the sea. *Trends Ecol. & Evol.* 10:228-231.
15. Leys, S.P. 1995. Cytoskeletal architecture and organelle transport in giant syncytia formed by fusion of hexactinellid sponge tissues. *Biol. Bull.* 188:241-254.
16. Martel, A.; Hynes, T.M.; Buckland-Nicks, J. 1995. Prodissoconch morphology, planktonic shell growth and size at metamorphosis in *Dreissena polymorpha*. *Can. J. Zool.* 73:1835-1844.
17. McGaw, I.J.; McMahon, B.R. 1995. The FMRFamide-related peptides F1 and F2 alter hemolymph distribution and cardiac output in the crab *Cancer magister*. *Biol. Bull.* 188:186-196.
18. McGaw, I.J.; Wilkens, J.L.; McMahon, B.R.; Airriess, C.N. 1995. Crustacean cardioexcitatory peptides may inhibit the heart in vivo. *J. Exp. Biol.* 198:2547-2550.
19. McMahon, B.R. 1995. Regulation of Autonomic Functions. Integrated neural and neurohormonal control of respiratory and circulatory function in crustaceans: is there evidence for an <<autonomic>> control system? *Verh. Dtsch. Zool. Ges.* 88:87-101.
20. Mgaya, Y.D. 1995. Age and growth analysis of the mosshead sculpin *Clinocottus globiceps* Girard 1857 (Pisces: Cottidae) from Helby Island, British Columbia. *J. Appl. Ichthyol.* 11:50-59.
21. Nakai, Y.; Kubota, S.; Goto, Y.; Ishibashi, T.; Davison, W.; Kohno, S. 1995. Chromosome elimination in three Baltic, south Pacific and north-east Pacific hagfish species. *Chrom. Res.* 3:321-330.
22. Rawlings, T.A. 1995. Direct observation of encapsulated development in muricid gastropods. *Veliger* 38:54-60.
23. Robles, C.; Sherwood-Stephens, R.; Alvarado, M. 1995. Responses of a key intertidal predator to varying recruitment of its prey. *Ecology* 76:  
24. 565-579.

25. Ross, D.M.; Zamponi, M.O. y. 1995. A description of *Stomphia pacific* sp. nov. (Anthozoa: Actiniaria) and its behavioral interactions with some asteroids. *Physis* 50:7-12.
26. Saunders, T.; Ydenberg, R. 1995. Consumption and caching of food in the northwestern crow (*Corvus caurinus*). *Auk* 112:778-779.
27. Sewell, M.A.; Thandar, A.S.; Chia, F.-S. 1995. A redescription of *Leptosynapta clarki* Heding (Echinodermata: Holothuroidea) from the northeast Pacific, with notes on changes in spicule form and size with age. *Can. J. Zool.* 73:469-485.
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29. Spencer, A.N. 1995. Modulatory mechanisms at a primitive neuromuscular synapse: membrane currents, transmitter release and modulation by transmitters in a Cnidarian motor neuron. *Amer. Zool.* 35:520-528.
30. Spicer, J.I.; Morritt, D. 1995. Oxygen carriage by the haemolymph of hyperiid amphipods. *J. Mar. Biol. Ass. U.K.* 75:997-998.
31. Wood, C.M.; Part, P.; Wright, P.A. 1995. Ammonia and urea metabolism in relation to gill function and acid-base balance in a marine elasmobranch, the spiny dogfish (*Squalus acanthias*). *J. Exp. Biol.* 198:1545-1558.
32. Wood, C.M. 1995. Excretion. In: *Physiological Ecology of the Pacific Salmon*, edited by C. Groot, L. Margolis, and W.C. Clarke, U.B.C. Press Vancouver.
33. Wright, P.A.; Part, P.; Wood, C.M. 1995. Ammonia and urea excretion in the tidepool sculpin (*Oligocottus maculosus*): sites of excretion, effects of reduced salinity and mechanisms of urea transport. *Fish Physiol. Biochem.* 14:111-123.
34. Young, C.M.; Vazquez, E. 1995. Morphology, larval development, and distribution of *Bathypira feminalba* n.sp. (Asciacea: Pyuridae), a deep-water ascidian from the fjords and sounds of British Columbia. *Invertebrate Biology* 114:89-106.

#### **NONREFEREED PUBLICATIONS AND REPORTS**

1. Burger, A.E. 1995. Marine distribution, abundance, and habitats of Marbled Murrelets in British Columbia. In: *Ecology and Conservation of the Marbled*

Murrelet, edited by C.J. Ralph et al. Gen. Tech. Rep. PSW- GTR- 152, Albany, CA: Pacific Southwest Research Station, Forest Service, US Dept. Agriculture, pp. 295-312.

2. Burger, A.E. 1995. Inland habitat associations of Marbled Murrelets in British Columbia. In: Ecology and Conservation of the Marbled Murrelet, edited by C.J. Ralph et al. Gen. Tech. Rep. PSW-GTR-152, Albany, CA: Pacific Southwest Research Station, Forest Service, US Dept. Agriculture, pp. 151-161.
3. Levitan, D.R. 1995. The ecology of fertilization in free-spawning invertebrates. In: Ecology of Marine Invertebrate Larvae, edited by L. McEdward. CRC Press, pp. 123-156.

### **DISSERTATIONS AND THESES**

1. Kim, J.H. 1995. Intertidal community structure, dynamics and models: Mechanisms and the role of biotic and abiotic interactions. Ph.D. thesis, University of British Columbia, Vancouver, BC.
2. Rawlings, T.A. 1995. Encapsulation of eggs by the rocky shore marine gastropod *Nucella emarginata*: costs and benefits of variation in capsule form. Ph.D. thesis, University of Alberta, Edmonton, AB.
3. ABSTRACTS
4. Cody, M.L. 1995. Assembly rules in plant and bird communities. *Bull. Ecol. Soc. Am.*
5. Fischer, A.J.; Reisch, H.M.; Kyle, A.L.; Stell, W.K. 1995. Light-modulated release of RF-amide-like peptides (RFa-LPs) from terminal nerve TN efferents to goldfish retina. *Invest. Ophthalmol. & Visual Sci. Suppl.* 36:S290.
6. Tan, I.H.; Druehl, L.D. 1995. Phylogenetic relationships among the brown algal (phaeophyceae) orders: analysis of 18S ribosomal DNA sequence data. *J. Phycol.* 31:Suppl.3:23 Phycological Society of America: Proceedings of the 1995 meeting held in Breckenridge, 6-10 August 1995.