

2002 REFEREED PUBLICATIONS

1. Bates, W.R. 2002. The phylogenetic significance of maximum direct development in the ascidian, *Molgula pacifica*. *Invertebrate Reproduction and Development* 41: 185-192.
2. Bertram, D.F., Golumbia, T., Davoren, G.K., Harfenist, A., Brown, J. 2002. Short visits reveal consistent patterns of interyear and intercolony variation in seabird nestling diet and performance. *Canadian Journal of Zoology* 80: 2190-2199.
3. Buckingham, S.D., Spencer, A.N. 2002. The role of high-voltage activated potassium currents in high-frequency neuronal firing: evidence from a basal metazoan. *Journal of Neurophysiology* 88: 861-868.
4. Burns, K.C., Dalen, J. 2002. Foliage color contrasts and adaptive fruit color variation in a bird-dispersed plant community. *Oikos* 96: 463-469.
5. Burns, K.C. 2002. Seed dispersal facilitation and geographic consistency in bird-fruit abundance patterns. *Global Ecology and Biogeography* 11: 253-259.
6. Cameron, C.B. 2002. The anatomy, life habits, and later development of a new species of enteropneust, *Harrimania planktophilus* (Hemichordata: Harrimaniidae) from Barkley Sound. *Biological Bulletin* 202: 182-191.
7. Cameron, C.B. 2002. Partial retention and flow in the pharynx of the enteropneust worm *Harrimania planktophilus*: The filter feeding pharynx may have evolved before the chordates. *Biological Bulletin* 202: 192-200.
8. Cody, M.L., Rebman, J., Moran, R., Thompson, H.J. 2002. The Plants. In: *New Island Biogeography in the Sea of Cortez* (Case, T.J., Cody, M.L., Ezcurra, E.) Oxford University Press, Ch. 4.
9. Gilmour, K.M., Shah, B., Szebedinszky, C. 2002. An investigation of carbonic anhydrase activity in the gills and blood plasma of brown bullhead (*Ictalurus nebulosus*), longnose skate (*Raja rhina*), and spotted ratfish (*Hydrolagus colliei*). *Journal of Comparative Physiology B* 172: 77-86.
10. Harper, J.T.; Saunders, G.W. 2002. Using molecular data to resolve the taxonomic limits of the red algal genera *Callophyllis*, *Ethora*, and *Pugetia* (Kallymeniaceae, Gigartinales). *Phycol. Res.* 50: 275-281.
11. Leander, B.S., Saldarriaga, J.F., Keeling, P.J. 2002. Surface morphology of the marine parasite *Haplozoon axiothellae* Siebert (Dinoflagellata). *European Journal of Protistology* 38: 287-298.

12. Leander, B.S., Clopton, R.E., Keeling, P.J. 2002. Phylogeny of gregarines (Apicomplexa) as Inferred from SSU rDNA and β -Tubulin. *International Journal of Systematic and Evolutionary Microbiology* 53: 345-354.
13. Levitan, D.R. 2002. The relationship between conspecific fertilization success and reproductive isolation among three congeneric sea urchins. *Evolution* 56: 1599-1609.
14. Levitan, D.R. 2002. Density-dependent selection on gamete traits: are traits associated with fertilization related to sperm availability in three congeneric sea urchins? *Ecology* 83: 464-479.
15. McDonald, M.D., Walsh, P.J., Wood, C.M. 2002. Branchial and renal excretion of urea and urea analogues in the plainfin midshipman, *Porichthys notatu*. *Journal of Comparative Physiology B* 172: 699-712.
16. Nakano, K., Iwama, G.K. 2002. The 70-kDa heat shock protein response in two intertidal sculpins, *Oligocottus maculosus* and *O. snyderi*: relationship of hsp70 and thermal tolerance. *Comparative Biochemistry and Physiology Part A* 133: 79-94.
17. Nordstrom, C.A. 2002. Haul-out selection by Pacific harbor seals (*Phoca vitulina richardii*): isolation and perceived predation risk. *Marine Mammal Science* 18: 194-205.
18. Penney, B.K. 2002. Lowered nutritional quality supplements nudibranch chemical defense. *Oecologia* 132: 411-418.
19. Perry, S.F., Gilmour, K.M. 2002. Sensing and transfer of respiratory gases at the fish gill. *Journal of Experimental Zoology* 293: 249-263.
20. Reitsema, T.J., Thompson, J.A.J., Scholtens, P., Spickett, J.T. 2001. Further recovery of northeast Pacific neogastropods from imposex related to tributyltin contamination. *Marine Pollution Bulletin* 44: 257-261.
21. Robles, C.D., Desharnais, R.A. 2001. History and current development of a paradigm of predation in rocky intertidal communities. *Ecology* 83: 1521-1536.
22. Salomen, A.K., Waller, N.P., McIlhagga, C., Yung, R.L., Walters, C. 2002. Modeling the trophic effects of marine protected area zoning policies: a case study. *Aquatic Ecology* 36:85-95. PDF

23. Scrosati, R. 2002. An updated definition of genet applicable to clonal seaweeds, bryophytes, and vascular plants. *Basic and Applied Ecology* 3: 97-99.
24. Sussmann, A.V., DeWreede, R.E. 2002. Host specificity of the endophytic sporophyte phase of *Acrosiphonia* (Codiolales, Chlorophyta) in Southern British Columbia, Canada. *Phycologia* 41: 169- 177.
25. Swanson, A.K., Druehl, L.D. 2002. Induction, exudation and the UV protective role of kelp phlorotannins. *Aquatic Botany* 73: 241-253.
26. Tanasichuk, R.W., Cooper, C. 2002. A northern extension of the range of the euphausiid *Nyctiphanes simplex* into Canadian waters. *Journal of Crustacean Biology* 22: 206-209.
27. Tanasichuk, R.W. 2002. Implications of interannual variability in euphausiid population biology for fish production along the south-west coast of Vancouver Island: a synthesis. *Fisheries Oceanography* 11: 18-30.
28. Weightman, J.O.; Arsenault, D.J. 2002. Predator classification by the sea pen *Ptilosarcus gurneyi* (Cnidaria): role of waterborne chemical cues and physical contact with predatory sea stars. *Canadian Journal of Zoology* 80: 185-190.
29. Wilson, B., Dill, L.M. 2002. Pacific herring respond to simulated odontocete echolocation sounds. *Canadian Journal of Fisheries and Aquatic Sciences* 59: 542-553.
30. Wilson, J.M., Whiteley, N.M., Randall, D.J. 2002. Ionoregulatory changes in the gill epithelia of coho salmon during seawater acclimation. *Physiological and Biochemical Zoology* 75: 237-249.
31. Wilson, J.W., Morgan, J.D., Vogl, A.W., Randall, D.J. 2002. Branchial mitochondria-rich cells in the dogfish *Squalus acanthias*. *Comparative Biochemistry and Physiology A Molecular and Integrative Physiology* 132: 365-374.
32. Winchell, C.J., Sullivan, J., Cameron, C.B., Swalla, B.J., Mallatt, J. 2002. Evaluating hypotheses of deuterostome phylogeny and chordate evolution with new LSU and SSU ribosomal DNA data. *Molecular Biology and Evolution*. 19: 762-776.
33. Zimmer, M., Danko, J.P., Pennings, S.C., Danford, A.R., Carefoot, T.H., Ziegler, A., Uglow, R.F. 2002. Cellulose digestion and phenol oxidation in coastal isopods (Crustacea: Isopoda). *Marine Biology* 140: 1207-1213

NONREFEREED PUBLICATIONS AND REPORTS

1. Department of Fisheries and Oceans. 2002. 2001 Pacific Region State of the Ocean. DFO Ocean Status Report 2002/01. 59p.
2. Simpson, K., Dobson, D., Lemke, S., Sweeting, R., Tanasichuk, R.W., Baillie, S. 2002. Forecast for southern British Columbia coho salmon in 2002. DFO Can. Stock Assess. Res. Doc. 2002/94 57p.

DISSERTATIONS AND THESES

1. Marchinko, K.B. 2002. Wave-dependent phenotypic plasticity in feeding legs of intertidal barnacles. University of Alberta, M.Sc. Thesis.
2. Nishizaki, M.T. 2002. Factors influencing juvenile sheltering in sea urchins (*Strongylocentrotus franciscanus* and *S. droebachiensis*). University of Northern British Columbia, M.Sc. Thesis.
3. Pakes, D. 2002. Changes in the strength of selection exerted on prey during the ontogeny of an experimentally introduced predator. M.Sc. Thesis, University of Guelph.
4. Penney, B.K. 2002. Defense and prey use by northeastern Pacific cryptobranchiate dorid nudibranchs (Mollusca: Gastropoda). University of Alberta, Ph. D. Thesis.

ABSTRACTS

1. Boulding EG. 2002. A field experiment simulating an invasion of predatory crabs. Integrative and Comparative Biology 42 (6): 1200-1200.
2. Ferrell, D.S. 2002. Clonal diversity and agonistic capabilities of the aggregating anemone *Anthopleura elegantissima* in Barkley Sound, British Columbia. Integrative and Comp. Biol. 42: 1229-1229.