levels of toxicity (see Green, 1977). No tests for toxicity were carried out on the Moreton Bay species but it seems reasonable to assume that at least some of the 16 species might be toxic to predators such as fish.

Acknowledgements. I wish to thank C. Lee, M. Potter and other staff at the Deception Bay Fisheries Research Station, Moreton Bay, Queensland for discussions and assistance with maintenance of crabs. I. Skinner, Roche Research Institute, Dee Why, Sydney identified most of the sponges. P. Bergquist, Zoology Department, Auckland University, Auckland identified Halichondria sp. and P. Mather, Queensland Museum, identified the ascidians. Sponge specimens have been deposited in the Queensland Museum, Brisbane. M. Williams first introduced me to sponge-crabs and W. Fraser, B. Kojis, N. Quinn and O. Ross assisted with collecting. Also I wish to thank the staff of the Zoology Department, Queensland University for valuable discussions and for the use of facilities. W. Fraser assisted with preparation of the figures. I am grateful to M. B. Jones for comments on the manuscript. This work was done while on sabbatical leave from the University of Canterbury.

## Literature Cited

- Andersson, M. and R. A. Norberg: Evolution of reversed sexual size dimorphism and role partitioning among predatory birds, with a size scaling of flight performance. Biol. J. Linn. Soc. 15, 105–130 (1981)
- Bennett, D. B.: Growth of the edible crab (*Cancer pagurus L.*) off southwest England. J. mar. biol. Ass. U.K. 54, 803–823 (1974)
- Bliss, D. F. and J. R. Boyer: Environmental regulation of growth in the Decapod crustacean *Gecarcinus lateralis*. Gen. comp. Endocrinol. 4, 15–41 (1964)
- Butler, T. H.: Growth and age determination of the Pacific edible crab *Cancer magister* Dana. J. Fish. Res. Bd Can. 18, 873–889 (1961)
- Campbell, B. M. and W. Stephenson: The sublittoral Brachyura (Crustacea: Decapoda) of Moreton Bay. Mem. Old. Mus. 15, 235–301 (1970)
- Diaz, H.: The mole crab *Emerita talpoida* (Say): a case of changing life history pattern. Ecol. Monogr. 50, 437–456 (1980)
- Green, G.: Ecology of toxicity in marine sponges. Mar. Biol. 40, 207–215 (1977)

- Hale, H. M.: The development of two Australian sponge-crabs. Proc. Linn. Soc. N.S.W. 50, 405-413 (1925)
- Hancock, D. A. and E. Edwards: Estimation of annual growth in the edible crab (*Cancer pagurus* L.). J. Cons., Cons. Explor. Mer 31, 246–264 (1967)
- Hartnoll, R. G.: Notes on the marine grapsid crabs of Jamaica. Proc. Linn. Soc. London 176, 113–147 (1965)
- Hartnoll, R. G.: Copulatory structure and function in the Dromiacea, and their bearing on the evolution of the Brachyura. Publ. St. Zool. Napoli 39 Suppl., 657–676 (1975)
- Hartnoll, R. G.: The effect of salinity and temperature on the post-larval growth of the crab *Rithropanopeus harrisii*. *In:* Physiology and behaviour of marine organisms, 388 pp. Ed. by D. S. McClusky and A. J. Berry. 12th European Symp. on Mar. Biol. New York: Pergamon Press 1978
- Hartnoll, R. G.: Strategies of crustacean growth. *In:* Biology of Crustacea. Ed. by L. Abel. New York: Academic Press (In press)
- Jones, M. B.: Aspects of the biology of the big-handed crab, *Heterozius rotundifrons* (Decapoda: Brachyura), from Kaikoura, New Zealand. N.Z. J. Zool. 5, 783–794 (1978)
- Jones, M. B.: Reproductive ecology of the estuarine burrowing mud crab *Helice crassa* (Grapsidae). Estuar. coast. mar. Sci. 11, 433–443 (1980)
- Kirkman, H.: Standing stock, ecology and decline of seagrasses at Toorbul Point, Moreton Bay, Queensland, 150 pp. Unpublished M. Sc. thesis, University of Queensland 1976
- MacKay, D. C. G. and F. W. Weymouth: The growth of the Pacific edible crab, *Cancer magister* Dana. J. Biol. Bd Can. *1*, 191–212 (1935)
- McLay, C. L.: The dispersal and use of sponges and ascidians for camouflage by *Cryptodromia hilgendorfi* (Brachyura: Dromidea) (In preparation)
- Passano, L. M.: Moulting and its control. In: The physiology of Crustacea, Vol I, pp 473–536. Ed. by T. H. Waterman. New York: Academic Press 1960
- Reilly, P. N. and S. B. Saila: Biology and ecology of the rock crab, *Cancer irroratus* Say, 1817, in southern New England waters (Decapoda, Brachyura). Crustaceana 34, 121–140 (1978)
- Rice, A. L. and A. J. Provenzano, Jr.: The larval development of the West Indian sponge crab *Dromidia antillensis* (Decapoda: Dromiidae). J. Zool. Lond. 149, 297–319 (1966)
- Simons, M. J. and M. B. Jones: Population and reproductive biology of the mud crab, *Macrophthalmus hirtipes* (Jacquinot, 1853) (Ocypodidae), from marine and estuarine habitats. J. nat. Hist. 15, 981-994 (1981)
- Swartz, R. C.: Reproductive and molt cycles in the xanthid crab Neopanope sayi (Smith, 1869). Crustaceana 34, 15–32 (1978)
- Warner, G. F.: The Biology of crabs, 202 pp. London: Elek. Science 1977
- Date of final manuscript acceptance: July 13, 1982. Communicated by G. F. Humphrey, Sydney

## Corrigendum

Marine Biology 66, 243-250 (1982). S. C. Jewett and H. M. Feder: Food and Feeding Habits of the King Crab Paralithodes camtschatica near Kodiak Island, Alaska

p. 245, Column 1, Paragraph 2: the regression equation on Line 4 is incorrect; it should read as follows:

 $Y = 34.25 - 0.72 x + 0.0047 x^2 (r = 0.899).$