

Publications of Associate Professor Ian D. Whittington (as of 22nd May 2007)

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Large monogenean (flatworm) ectoparasites on skin of operculum of a marlin at Port Stephens Game Fishing Tournament (March 2006)



Capsaloides magnaspinosus
(Monogenea) from the nasal tissue
of striped marlin (*Tetrapterus audax*)

Chapters in Books

4. **WHITTINGTON** I.D. 2005. Monogenea Monopisthocotylea (ectoparasitic flukes). In: *Marine Parasitology*. Rohde K (Ed.), pp. 63-72. CSIRO Publishing, Melbourne, Australia.
3. **WHITTINGTON** I.D. & Chisholm L.A. 2003. Diversity of Monogenea from Chondrichthyes: do monogeneans fear sharks? In: *Taxonomie, écologie et évolution des métazoaires parasites. Taxonomy, ecology and evolution of metazoan parasites. (Livre hommage à Louis Euzet)*. Combes C & Jourdane J (eds). Tome 2, pp. 339-363, Presse Université de Perpignan, France.
2. Kearn G.C., **WHITTINGTON** I.D. & Evans-Gowing R. 2003. Striated (stratified) muscle and the operation of the ventral hamuli in the ancyrocephaline monogenean *Chauhanellus australis* from the gills of the blue catfish, *Arius graeffei*. In: *Taxonomie, écologie et évolution des métazoaires parasites. Taxonomy, ecology and evolution of metazoan parasites. (Livre hommage à Louis Euzet)*. Combes C & Jourdane J (eds). Tome 1, pp. 381-396, Presse Université de Perpignan, France.
1. Green S., Ollett K., **WHITTINGTON** I. & da Costa J.C.D. 1998. The University of Queensland – Heron Island Research Station EMS. In: Lu G.Q., Rudolph V. & Greenfield P.F. (Eds.), *Sustainable Energy and Environmental Technologies – Challenges and Opportunities*, pp. 585-591. The University of Queensland, Brisbane, Australia.



Removing parasites from the nares of a yellowfin tuna (*Thunnus albacares*) at Port Stephens Game Fishing Tournament in March 2006



Nasicola klawei (Monogenea) from the nares of yellowfin tuna

Refereed papers

112. Lackenby J.A., Chambers C.B., Ernst I. & **WHITTINGTON** I.D. 2007. Effect of water temperature on reproductive development of *Benedenia seriolae* (Monogenea: Capsalidae) from *Seriola lalandi* in Australia. *Diseases of Aquatic Organisms* **74**: 235-242.
111. Hutson K.S., Ernst I., Mooney A.J. & **WHITTINGTON** I.D. 2007. Metazoan parasite assemblages of wild *Seriola lalandi* (Carangidae) from eastern and southern Australia. *Parasitology International* **56**: 95-105.
110. Chisholm L.A. & **WHITTINGTON** I.D. 2007. The oncomiracidium of *Nasicola klawei* (Monogenea: Capsalidae: Capsalinae). *Parasitology Research* **100**: 467-471.
109. Glennon V., Chisholm L.A. & **WHITTINGTON** I.D. 2006. Three unrelated species, 3 sites, same host – monogenean parasites of the southern fiddler ray, *Trygonorrhina fasciata*, in South Australia: egg hatching strategies and larval behaviour. *Parasitology* **133**: 55-66.
108. Glennon V., Chisholm L.A. & **WHITTINGTON** I.D. 2006. Redescription of *Calicotyle australis* Johnston, 1934 (Monogenea: Monocotylidae) from the type-host *Trygonorrhina fasciata* (Rhinobatidae) off Adelaide, South Australia, including descriptions of live and silver stained larvae. *Systematic Parasitology* **63**: 29-40.
107. Glennon V., Chisholm L.A. & **WHITTINGTON** I.D. 2006. *Pseudoleptobothrium aptychotremae* Young, 1967 (Monogenea: Microbothriidae) redescribed from a new host, the southern fiddler ray, *Trygonorrhina fasciata* (Rhinobatidae) in South Australia with a description of the larva and post larval development. *Acta Parasitologica* **51**: 40-46.
106. Chisholm L.A. & **WHITTINGTON** I.D. 2006. Revision of *Capsaloides* (Monogenea: Capsalidae) with a redescription of *C. magnaspinosus* Price, 1939 from the nasal tissue of *Tetrapterus audax* (Istiophoridae) collected off Nelson Bay, New South Wales, Australia. *Zootaxa* **1160**: 1-20.
105. Mooney A.J., Ernst I. & **WHITTINGTON** I.D. 2006. An egg-laying rhythm in *Zeuxapta seriolae* (Monogenea: Heteraxinidae), a gill parasite of yellowtail kingfish (*Seriola lalandi*). *Aquaculture* **253**: 10-16.

104. Hutson K.S. & **WHITTINGTON** I.D. 2006. *Paradeontacylix godfreyi* n. sp. (Digenea: Sanguinicolidae) from the heart of wild *Seriola lalandi* (Perciformes: Carangidae) in southern Australia. *Zootaxa* **1151**: 55-68.
103. Kearns G.C., **WHITTINGTON** I.D. & Euzet L. 2006. The handling and fate of spermatophores in *Neoentobdella diadema* and *N. apiocolpos* (Monogenea: Capsalidae: Entobdellinae). *Folia Parasitologica* **53**: 57-62.
102. Glennon V., Chisholm L.A. & **WHITTINGTON** I.D. 2005. *Branchotenthes octohamatus* sp. n. (Monogenea: Hexabothriidae) from the gills of the southern fiddler ray, *Trygonorrhina fasciata* (Rhinobatidae) in South Australia: description of adult and larva. *Folia Parasitologica* **52**: 223-230.
101. Chisholm L.A. & **WHITTINGTON** I.D. 2005. *Empruthotrema stenophallus* n. sp. (Monogenea: Monocotylidae) from the nasal tissue of *Dasyatis kuhlii* (Dasyatidae) from Sabah, Borneo, Malaysia. *Journal of Parasitology* **91**: 522-526.
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99. Chisholm L.A. & **WHITTINGTON** I.D. 2005. *Decacotyle cairae* n. sp. (Monogenea: Monocotylidae) from the gills of *Pastinachus* sp. (Elasmobranchii: Dasyatidae) from the South China Sea off Sarawak, Borneo, Malaysia. *Systematic Parasitology* **61**: 79-84.
98. Chisholm L.A., Glennon V. & **WHITTINGTON** I.D. 2005. *Dendromonocotyle bradsmithi* n. sp. (Monogenea: Monocotylidae) from the skin of *Myliobatis australis* (Elasmobranchii: Myliobatidae) off Adelaide and Perth, Australia: description of adult and larva. *Zootaxa* **951**: 1-15.
97. Chisholm L.A. & **WHITTINGTON** I.D. 2005. *Dendromonocotyle lasti* n. sp. from the skin and *Monocotyle caseyae* n. sp. (Monogenea: Monocotylidae) from the gills of *Himantura* sp. (Dasyatidae) from Moreton Bay, Queensland, Australia. *Systematic Parasitology* **60**: 81-89.
96. Kearns G.C. & **WHITTINGTON** I.D. 2005. *Neoentobdella* gen. nov. for species of *Entobdella* Blainville in Lamarck, 1818 (Monogenea, Capsalidae, Entobdellinae) from stingray hosts, with descriptions of two new species. *Acta Parasitologica* **50**: 32-48.
95. Ernst I., **WHITTINGTON** I.D., Corneillie S. & Talbot C. 2005. Effects of temperature, salinity, desiccation and chemical treatments on egg embryonation and hatching success of *Benedenia seriolae* (Monogenea: Capsalidae), a parasite of farmed *Seriola* spp. *Journal of Fish Diseases* **28**: 157-164.
94. Chisholm L.A. & **WHITTINGTON** I.D. 2004. Two new species of *Myliocotyle* (Monogenea: Monocotylidae) from the gills of *Aetomylaeus maculatus* and *A. nichofii* (Elasmobranchii: Myliobatidae) from Sarawak, Borneo, Malaysia. *Folia Parasitologica* **51**: 304-310.
93. **WHITTINGTON** I.D., Armstrong W. & Cribb B.W. 2004. Mechanism of adhesion and detachment at the anterior end of *Neoheterocotyle rhinobatidis* and *Troglocephalus rhinobatidis* (Monogenea: Monopisthocotylea: Monocotylidae). *Parasitology Research* **94**: 91-95.
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91. Chisholm L.A., **WHITTINGTON** I.D. & Fischer A.B.P. 2004. A review of *Dendromonocotyle* (Monogenea: Monocotylidae) from the skin of stingrays and their control in public aquaria. *Folia Parasitologica* **51**: 123-130.

90. **WHITTINGTON** I.D. 2004. The Capsalidae (Monogenea: Monopisthocotylea): a review of diversity, classification and phylogeny with a note about species complexes. *Folia Parasitologica* **51**: 109-122.
89. **WHITTINGTON** I.D., Armstrong W., Chisholm L.A. & Cribb B.W. 2004. A comparison of the anterior adhesive system in the oncomiracidium and adult of the monogenean parasite *Merizocotyle icopae* (Monocotylidae). *Parasitology Research* **93**: 223-229.
88. **WHITTINGTON** I.D., Deveney M.R., Morgan J.A.T., Chisholm L.A. & Adlard R.D. 2004. A preliminary phylogenetic analysis of the Capsalidae (Platyhelminthes: Monogenea: Monopisthocotylea) inferred from large subunit rDNA sequences. *Parasitology* **128**: 511-519.
87. Chisholm L.A. & **WHITTINGTON** I.D. 2004. Two new species of *Dendromonocotyle* Hargis, 1955 (Monogenea: Monocotylidae) from the skin of *Taeniura meyeri* (Dasyatidae) and *Aetobatus narinari* (Myliobatidae) from aquaria in Queensland, Australia. *Systematic Parasitology* **57**: 221-228.
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78. Hamwood T.E., Cribb B.W., Halliday J.A., Kearn G.C. & **WHITTINGTON** I.D. 2002. Preliminary characterisation and extraction of anterior adhesive secretion in monogenean (platyhelminth) parasites. *Folia Parasitologica* **49**: 39-49.
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- parasites (Monogenea: Polystomatidae). *Proceedings of the Royal Society B (Biological Sciences)* **269**: 535-543.
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73. Chisholm L.A., Morgan J.A.T., Adlard R.D. & **WHITTINGTON** I.D. 2001. Phylogenetic analysis of the Monocotylidae (Monogenea) inferred from 28S rDNA sequences. *International Journal for Parasitology* **31**: 1253-1263.
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71. **WHITTINGTON** I.D., Deveney M.R. & Wyborn S.J. 2001. A revision of *Benedenia* Diesing, 1858 including a redescription of *B. sciaenae* (van Beneden, 1856) Odhner, 1905 and recognition of *Menziesia* Gibson, 1976 (Monogenea: Capsalidae). *Journal of Natural History* **35**: 663-777.
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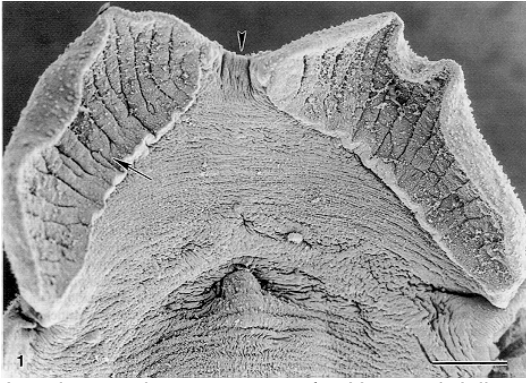
Freshwater bathing of kingfish (*Seriola* spp.) in Japanese aquaculture to 'clean' their skin of *Benedenia seriolae* (Monogenea)



The culprit: *Benedenia seriolae* (Platyhelminthes: Monogenea: Capsalidae)

Non-refereed papers

8. Ernst I., **WHITTINGTON I.**, Corneillie S. & Talbot C. 2002. Monogenean parasites in sea-cage aquaculture. *Austasia Aquaculture* February/March 2002: 46-48.
7. **WHITTINGTON I.D.**, Ernst I., Corneillie S. & Talbot C. 2001. Sushi, fish and parasites. *Australasian Science* **22** (3): 33-36.
6. **WHITTINGTON I.D.** 1999. Book Review – *Parasitism and the Platyhelminths*. *Journal of Natural History* **33**: 156-157.
5. Gelnar M., **WHITTINGTON I.D.** & Chisholm L.A. 1998. Preface - Third International Symposium on Monogenea. *International Journal for Parasitology* **28**: 1479-1480.
4. **WHITTINGTON I.** & Cribb B. 1998. Parasitic clues about glues. *Australasian Science* **19** (7): 36-39.
3. **WHITTINGTON I.D.** 1995. Editorial: Invited reviews. *International Journal for Parasitology* **25**: 1369-1370.
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1. **WHITTINGTON I.D. & Combes. C.** 1994. Second International Symposium on Monogenea, Montpellier and Sète, 5-8 July 1993. *International Journal for Parasitology* **24**: 445-447.



Anterior attachment organs of a *Neoentobdella* sp. (Monogenea) from the ventral skin of a stingray. The parasite secretes an underwater glue to adhere to the wet slimy surfaces of the host.

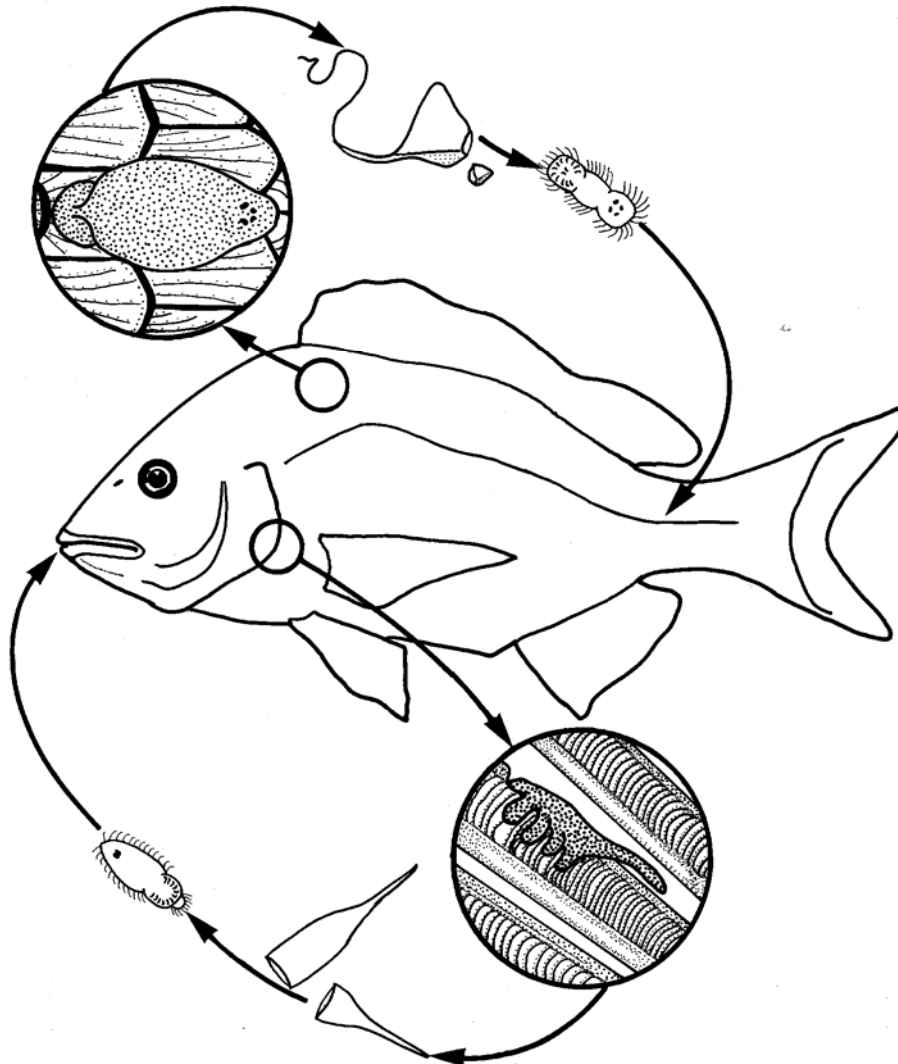


Posterior attachment hooks of an *Encotyllabe* sp. (Monogenea) from the pharyngeal tooth pads of a bony fish from the Great Barrier Reef.

Invited presentations at scholarly meetings

11. **WHITTINGTON** I.D., Perkins E.M., Chisholm L.A. & Donnellan S.C. 2006. *Neobenedenia 'melleni'* (Monogenea: Capsalidae): is this enigmatic infamous pest of fishes worldwide a cryptic species complex? 11th International Congress of Parasitology (ICOPA XI), August 6-11 2006, Scottish Exhibition & Convention Centre, Glasgow, UK. (Abstract with e-program).
10. **WHITTINGTON** I.D. 2005. The Entobdellinae (Monogenea: Capsalidae): recent research to unify the taxon. Fifth International Symposium on Monogenea (ISM5), August 8-12 2005, Sun Yat-Sen University, Guangzhou, China. Abstract with program, H1, p. 58).
9. **WHITTINGTON** I.D. 2004. The monogenean life-cycle in detail and how Monogenea diversity 'down under' can confront fish culture. Sustainable Control of Fish Diseases in Aquaculture (SCOFDA), November 3-4 2004, Royal Veterinary & Agricultural University, Frederiksberg, Denmark. (Abstract with proceedings).
8. **WHITTINGTON** I.D. 2003. The Capsalidae (Monogenea): classification, phylogeny, identity and biology. 6th International Symposium on Fish Parasites, September 22-26 2003, University of the Free State, Bloemfontein, South Africa. (Abstract with program, p. 55).
7. Ernst I., Chambers C. & **WHITTINGTON** I. 2003. Efficient management of monogenean parasites of kingfish and yellowtail (*Seriola* spp.): contrasting challenges for established and emerging industries. Annual Scientific Meeting of the Australian Society for Parasitology Inc., July 6-10 2003, Darwin, Northern Territory, Australia. (Abstract with program, contribution S14).
6. **WHITTINGTON** I.D. & Chisholm L.A. 2001. Biodiversity of marine parasites in Australia: more than just a list of largely invisible creatures. Invited keynote address to the 5th Invertebrate Biodiversity & Conservation Conference, December 1-4 2001, Adelaide, South Australia, Australia. (Abstract with program, p. 85).
5. **WHITTINGTON** I.D., Cribb B.W., Hamwood T.E. and Halliday J.A. 1999. Host-specificity of monogenean (platyhelminth) parasites: a role for anterior adhesive secretions? Invited keynote address to the Annual Scientific Meeting of the Australian Society for Parasitology, September 27-30 1999, Yeppoon, Queensland, Australia. (Abstract with program, p. 21).
4. **WHITTINGTON** I.D. 1997. Diversity "down under": monogeneans in the Antipodes (Australia). Invited keynote address to the Third International Symposium on Monogenea, August 25-30 1997, Brno, Czech Republic. (Abstract with program, p. 24).

3. **WHITTINGTON I.D.** 1996. Reproduction and host-location among the parasitic Platyhelminthes: nous versus numbers. Invited keynote address to the 8th International Symposium of the Biology of the Turbellaria, August 19-23 August 1996, Brisbane, Queensland, Australia. (Abstract with program, p. 71).
2. **WHITTINGTON I.D.** 1996. Monogenea. Invited symposium report to the Australian Biological Resources Study Symposium as a prelude to the 8th International Symposium of the Biology of the Turbellaria, August 18th 1996, Brisbane, Queensland, Australia.
1. **WHITTINGTON I.D.** 1991. Monogenean (platyhelminth) parasites: their value to Parasitology. Invited keynote address to the Annual Scientific and General Meeting of the Australian Society for Parasitology, October 1st-3rd 1991, Lorne, Victoria, Australia. (Abstract with program, p. 63).



Generalised life-cycle of Monogenea, ectoparasitic flatworms
principally of the skin and gills of fishes

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