

## **Ian Jamieson's Other Publications**

**(Excluding threatened species ecology and conservation – see web-page)**

### **Selected publications from previous research programmes:**

#### ***Behaviour & ecology of Weta:***

- Robb, T., Forbes, M.R. and **Jamieson**, I.G. Greater cuticular melanism is not associated with greater immunogenic response in adults of the mountain stone weta, *Hemideina maori*. *Ecological Entomology* 28: 738-746 (2003).
- Leisnham, P.T. and Jamieson, I.G. Metapopulation dynamics of a flightless alpine insect *Hemideina maori* in a naturally fragmented habitat. *Ecological Entomology*, 27: 574-580 (2002).
- Jamieson, I.G. The relationship between male head size and harem size in the sexually dimorphic mountain stone weta *Hemideina maori*. *Ecological Entomology* 27: 41-48 (2002).

#### ***Reproductive skew in Pukeko:***

- Jamieson**, I.G. Reproductive skew models and inter-species variation in adjustment of individual clutch sizes in joint-nesting birds. In: Adams, N. and Slotow, R. (Eds.), *Proceedings of 22<sup>nd</sup> International Ornithological Congress*, pp. 2894-2908. Durban, Birdlife South Africa, Johannesburg (1999).
- Jamieson**, I.G. Testing reproductive skew models in a communally breeding bird, the pukeko *Porphyrio porphyrio*. *Proceedings of Royal Society of London B* 264:335-340 (1997).
- Jamieson**, I.G., Quinn, J., Rose, P. and White, B. Shared paternity among non-relatives is a result of an egalitarian mating system in the communally breeding bird, the pukeko. *Proceedings of Royal Society of London* 257:271-277 (1994).

#### ***Parental behaviour in Sticklebacks:***

- Jamieson**, I.G. Do female fish prefer to spawn in nests with eggs for reasons of mate choice copying or egg survival? *American Naturalist* 145:824-832 (1995).
- Jamieson**, I.G. and Colgan, P.W. Eggs in the nests of males and their effect on mate choice in the three-spined stickleback. *Animal Behaviour* 38:859-865 (1989).

#### ***Evolution of helping behaviour in birds:***

- Jamieson**, I.G. The unselected hypothesis for the evolution for helping behavior: too much or too little emphasis on natural selection? *American Naturalist* 138:271-282 (1991).
- Jamieson**, I.G. Behavioral heterochrony and the evolution of helping at the nest in birds: an unselected consequence of communal breeding? *American Naturalist* 133:394-406 (1989).
- Jamieson**, I.G. Levels of analysis or analyses at the same level. *Animal Behaviour* 37:696-697 (1989).
- Jamieson**, I.G. Functional approach to behavior: is it useful? *American Naturalist* 127:195-208 (1986).

#### ***Social behaviour of Pukeko:***

- Craig, J.L. and **Jamieson**, I.G. Incestuous mating in a communal bird: a family affair. *American Naturalist* 131:58-70 (1988).
- Jamieson**, I.G. and Craig, J.L. Dominance and mating in a communal polygynandrous bird: cooperation or indifference towards mating competitors. *Ethology* 75:317-327 (1987).
- Jamieson**, I.G. and Craig, J.L. Male-male and female-female courtship and copulations in a communally breeding bird. *Animal Behaviour* 35:1251-1253 (1987).

#### ***Behavioural & ecology of Blue Grouse:***

- Jamieson**, I.G. and Zwickel, F.C. Spatial patterns of yearling male Blue Grouse and their relation to recruitment into the breeding population. *Auk* 100:653-657 (1983).
- Jamieson**, I.G. Seasonal changes in spatial patterns of yearling male Blue Grouse on the breeding range. *Canadian Journal of Zoology* 61:2777-2780 (1983).

#### ***Nesting ecology of Ospreys:***

- Jamieson**, I.G. and N.R. Seymour. Inter- and intraspecific agonistic behavior of Ospreys near their nest sites. *Canadian Journal of Zoology* 61:2199-2202 (1983).
- Jamieson**, I.G., N.R. Seymour and R.B. Bancroft. Use of two habitats related to changes in prey availability in a population of Ospreys in north-eastern Nova Scotia. *Wilson Bulletin* 94:557-564 (1982).

## Full list of previous research papers

### Books & Book Chapters:

- Craig, J.L. and Jamieson, I.G. Social behavior of the pukeko: different approaches and some different answers. In *Cooperatively Breeding in Birds: Long-term Studies of Ecology and Behaviour*. W.D. Koenig and P.B. Stacey, eds. Cambridge, Cambridge University Press (1990) 385-412 [0-521-37298-4]
- Jamieson, I.G. and Craig J.L. Helping behaviour in birds: a departure from functional explanations. In *Perspectives in Ethology*, Vol. 7. P. Bateson and P. Klopfer, eds. New York, Plenum Press (1987) 79-98 [0-306-42429-0]

### Refereed Journal Articles

- Robb, T., Forbes, M.R. and Jamieson, I.G. Mite parasitism of a polymorphic insect, the mountain stone weta *Hemideina maori*. *New Zealand Journal of Zoology* 31: 249-254 (2004).
- Joyce, S.J., Jamieson, I.G. and Barker, R. Survival of adult mountain stone weta *Hemideina maori* (Orthoptera: Anostostomatidae) along an altitude gradient as determined by mark-recapture. *New Zealand Journal of Ecology* 28: 55-61 (2004).
- Leisnham, P.T. and Jamieson, I.G. Relationship between male head size and mating opportunity in the harem-defence, polygynous tree weta *Hemideina maori* (Orthoptera: Anostostomatidae). *New Zealand Journal of Ecology* 28: 49-54 (2004).
- Robb, T., Forbes, M.R. and Jamieson, I.G. Greater cuticular melanism is not associated with greater immunogenic response in adults of the mountain stone weta, *Hemideina maori*. *Ecological Entomology* 28: 738-746 (2003).
- Leisnham, P.T., Cameron, C. and Jamieson, I.G. Life cycle, survival rates and longevity of an alpine weta *Hemideina maori* (Orthoptera: Anostostomatidae) determined using mark-recapture analysis. *New Zealand Journal of Ecology* 27: 191-200 (2003).
- Leisnham, P.T. and Jamieson, I.G. Metapopulation dynamics of a flightless alpine insect *Hemideina maori* in a naturally fragmented habitat. *Ecological Entomology*, 27: 574-580 (2002).
- Rock, J., Cook, S., Murray, T., Thomas, J. and Jamieson, I.G. Selected temperatures of an alpine weta *Hemideina maori* from southern New Zealand. *New Zealand Journal of Zoology* 29: 73-78 (2002).
- Jamieson, I.G. The relationship between male head size and harem size in the sexually dimorphic mountain stone weta *Hemideina maori*. *Ecological Entomology*, 27: 41-48 (2002).
- Koning, J.W. and Jamieson, I.G. Variation in size of male weaponry in a harem-defence polygynous insect, the mountain stone weta *Hemideina maori* (Orthoptera: Anostostomatidae). *NZ Journal of Zoology*: 28:109-117 (2001).
- Jamieson, I.G., Forbes, M.J. and McKnight, E.B. Mark-recapture study of mountain stone weta *Hemideina maori* (Orthoptera: Anostostomatidae) on rock tor 'islands'. *New Zealand Journal of Ecology* 24:209-214 (2000).
- Jamieson, I.G., McRae, S.B., Simmons, R.E., and Trewby, M. High rates of conspecific brood parasitism and egg recognition in coots and moorhens breeding in ephemeral wetlands in Namibia. *Auk* 117: 250-255 (2000)
- Jamieson, I. G. and Marshall, L.J. Helping behaviour in the Arabian babbler: was Wright's dismissal of the unselected hypothesis warranted? *Behavioral Ecology & Sociobiology* 46:435-436 (1999)
- Simmons, R.E., Barnard, P.E. and Jamieson, I.G. What precipitates influxes of wetland birds to ephemeral pans in arid landscape? Observations from Namibia. *Ostrich* 70:145-148 (1999)
- Gwynne, D. and Jamieson, I.G. Sexual selection and sexual dimorphism in a harem-polygynous insect, the alpine weta (*Hemideina maori*, Orthoptera Stenopelmatidae). *Ethology Ecology & Evolution* 10:393-402 (1998).
- Jamieson, I.G. Testing reproductive skew models in a communally breeding bird, the pukeko *Porphyrio porphyrio*. *Proceedings of Royal Society of London B* 264:335-340 (1997).
- Jamieson, I.G. and Quinn, J.S. Problems with removal experiments designed to test the relationship between paternity and parental effort in a socially polyandrous bird. *Auk* 114:291-295 (1997).
- Jamieson, I.G. and Spencer, H. The bill and foraging behaviour of the Huia (*Heteralocha acutirostris*): were they unique? *Notornis*, 43:14-18 (1996).

- Jamieson, I.G. Do female fish prefer to spawn in nests with eggs for reasons of mate choice copying or egg survival? *American Naturalist* 145:824-832 (1995).
- Jamieson, I.G. The evolution of conspicuous coloration in male three-spined sticklebacks: contradictory results and conflicting studies. *EcoScience* 1:281-284 (1994).
- Jamieson, I.G., Quinn, J., Rose, P. and White, B. Shared paternity among non-relatives is a result of an egalitarian mating system in the communally breeding bird, the pukeko. *Proceedings of Royal Society of London* 257:271-277 (1994).
- Jamieson, I.G. Mate choice in three-spined sticklebacks: a reply to Goldschmidt et al. *Animal Behaviour* 47:991-993 (1994).
- Jamieson, I.G., Blouw, D.M. and Colgan, P.W. Parental care as a constraint on male mating success in fishes: a comparative study of the three-spined and white stickleback. *Canadian Journal of Zoology* 70:956-962 (1992).
- Jamieson, I.G. and Colgan, P.W. Sneak spawning and egg stealing by male threespine sticklebacks. *Canadian Journal of Zoology* 70:963-967 (1992).
- Jamieson, I.G., Blouw, D.M. and Colgan, P.W. Field observations on the reproductive biology of a newly discovered stickleback (*Gasterosteus*). *Canadian Journal of Zoology* 70:1057-1063 (1992).
- Jamieson, I.G. The unselected hypothesis for the evolution for helping behavior: too much or too little emphasis on natural selection? *American Naturalist* 138:271-282 (1991).
- Colgan, P.W. and Jamieson, I.G. Gaps in the optimization approach to behavior. *Behaviour and Brain Science* 14:95-96 (1991).
- Jamieson, I.G. and Craig, J. L. Evaluating hypotheses on the evolution of helping behaviour in the Bell Miner (*Manorina melanophrys*). *Ethology* 85:163-167 (1990).
- Jamieson, I.G. and Colgan, P.W. Eggs in the nests of males and their effect on mate choice in the three-spined stickleback. *Animal Behaviour* 38:859-865 (1989).
- Jamieson, I.G. Behavioral heterochrony and the evolution of helping at the nest in birds: an unselected consequence of communal breeding? *American Naturalist* 133:394-406 (1989a).
- Jamieson, I.G. Levels of analysis or analyses at the same level. *Animal Behaviour* 37:696-697 (1989b).
- Jamieson, I.G. Provisioning behaviour in a communal breeder: an epigenetic approach to the study of individual variation in behaviour. *Behaviour* 104:262-280 (1988).
- Craig, J.L. and Jamieson, I.G. Incestuous mating in a communal bird: a family affair. *American Naturalist* 131:58-70 (1988).
- Jamieson, I.G. and Craig, J.L. Dominance and mating in a communal polygynandrous bird: cooperation or indifference towards mating competitors. *Ethology* 75:317-327 (1987).
- Jamieson, I.G. and Craig, J.L. Male-male and female-female courtship and copulations in a communally breeding bird. *Animal Behaviour* 35:1251-1253 (1987).
- Jamieson, I.G., Craig, J.L. and Minot, E.O. Incubation by young, non-breeding birds: potential versus realization of behaviour. *Canadian Journal of Zoology* 65:2567-2570 (1987).
- Lewis, R.D. and Jamieson, I.G. Delayed breeding in yearling male blue grouse: an evaluation of two hypotheses. *Condor* 89:182-185 (1987).
- Jamieson, I.G. Functional approach to behavior: is it useful? *American Naturalist* 127:195-208 (1986).
- Craig, J.L. and Jamieson, I.G. The relationship between presumed gamete contribution and parental investment in a communally breeding bird. *Behavioural Ecology and Sociobiology* 17:207-211 (1985).
- Jamieson, I.G. Behavior of yearling male Blue Grouse in relation to delayed breeding. *Wilson Bulletin* 97:71-77 (1985).
- Jamieson, I.G. Seasonal changes in spatial patterns of yearling male Blue Grouse on the breeding range. *Canadian Journal of Zoology* 61:2777-2780 (1983).
- Jamieson, I.G. The shoulder-spot display in male Blue Grouse. *Wilson Bulletin* 95:667-669 (1983).
- Jamieson, I.G. and Zwickel, F.C. Spatial patterns of yearling male Blue Grouse and their relation to recruitment into the breeding population. *Auk* 100:653-657 (1983).
- Jamieson, I.G. and Zwickel, F.C. Dispersal and site fidelity in Blue Grouse. *Canadian Journal of Zoology* 61:570-573 (1983).
- Jamieson, I.G. and N.R. Seymour. Inter- and intraspecific agonistic behavior of Ospreys near their nest sites. *Canadian Journal of Zoology* 61:2199-2202 (1983).
- Jamieson, I.G., N.R. Seymour, R.B. Bancroft and R. Sullivan. Sibling aggression in nestling Ospreys. *Canadian Journal of Zoology* 61:466-469 (1983).
- Jamieson, I.G., N.R. Seymour and R.B. Bancroft. Use of two habitats related to changes in prey availability in a population of Ospreys in north-eastern Nova Scotia. *Wilson Bulletin* 94:557-564 (1982).

Jamieson, I.G., N.R. Seymour and R.B. Bancroft. Time and activity budgets of Ospreys in north-eastern Nova Scotia. *Condor* 84:439-441 (1982).