

4. REFERENCES

- Barker, J., Grigg, G. C. and Tyler, M. J. (1995). *A Field Guide to Australian Frogs*. Surrey Beatty and Sons, Chipping Norton, NSW, Australia.
- Bell, K. L., Yeates, D. K., Moritz, C. and Monteith, G. B. (2004). Molecular phylogeny and biogeography of the dung beetle genus *Temnoplectron* Westwood (Scarabaeidae: Scarabaeinae) from Australia's wet tropics. *Molecular Phylogenetics and Evolution* 31: 741-753.
- Boles, W. E. and Longmore, N. W. (1989). Altitudinal distribution of the birds of Thornton Peak, Queensland. *Sunbird* 19: 1-15.
- Brown, J. H. and Lomolino, M. V. (1998). *Biogeography*. Second Edition. Sinauer Associates, Sunderland, MA, United States of America.
- Crome, F. and Nix, H. (1991). Birds. In *Rainforest animals: atlas of vertebrates endemic to Australia's wet tropics* (eds. H. A. Nix and M. A. Switzer). Australian National Parks and Wildlife Service, Canberra, Australia.
- Driscoll, P. V. and Kikkawa, J. (1989). Bird species diversity of lowland tropical rainforests of New Guinea and northern Australia. In *Vertebrates in complex tropical systems* (eds. M. L. Harmelin-Vivien and F. Bourlière) Springer-Verlag, New York, United States of America.
- Easterling, D. R., Meehl, G. A., Parmesan, C., Changnon, S. A., Karl, T. R. and Mearn, L. O. (2000). Climate extremes: observations, modeling and impacts. *Science* 289, 2068-2074.
- Goosem, S., Morgan, G. and Kemp, J. E. (1999). Wet Tropics. In *The Conservation Status of Queensland's Bioregional Ecosystems* (eds. P. S. Sattler and R. D. Williams) Environmental Protection Agency, Brisbane.
- Graham, C. H., Moritz, C. and Williams, S. E. (2006). Habitat history improves prediction of biodiversity in rainforest fauna. *Proceedings of the National Academy of Sciences of the United States of America* 103, 632-636.
- Hill, J. K., Thomas, C. D., Fox, R., Telfer, M. G., Willis, S. G., Asher, J. and Huntley, B. (2002). Responses of butterflies to twentieth century climate warming: implications for future ranges. *Proceedings of the Royal Society of London B* 296: 2163-2171.
- Hilbert, D. W., Ostendorf, B. and Hopkins, M. S. (2001). Sensitivity of tropical forests to climate change in the humid tropics of north Queensland. *Austral Ecology* 26, 590-603.
- Houghton, J. (2001). The science of global warming. *Interdisciplinary Science Reviews* 26, 247-257.
- Houghton, J. T., Ding, Y., Griggs, D. J., Noguer, M., van der Linden, P. J., Dai, X., Maskell, K. and Johnson, C. A. (eds) (2001). *IPCC Third Assessment Report: Climate Change 2001*. Cambridge University Press.
- Houlder, D. J., Hutchinson, M. F., Nix, H. A. and McMahon, J. P. (2000). ANUCLIM 5.0. Centre for Resource and Environmental Studies, Australian National University, Canberra.
- Hughes, L. (2000). Biological consequences of global warming: is the signal already apparent? *Trends in Ecology and Evolution* 15, 56-61.

Hugall, Al, Moritz, C., Moussali, A. and Stanisic, J. (2002). Reconciling paleodistribution models and comparative phylogeography in the Wet Tropics rainforest snail *Gnarosophia bellendenkerensis* (Brazier 1875). *Proceedings of the National Academy of Sciences of the USA* 99: 6112-6117.

Ingram, G. J. (1991). The status of birds. In *An atlas of Queensland's frogs, reptiles, birds and mammals* (eds. G. J. Ingram and R. J. Raven), Queensland Museum, Brisbane.

Joseph, L., Moritz, C. and Hugall, A. (1995). Molecular support for vicariance as a source of diversity in rainforest. *Proceedings of the Royal Society of London B* 260, 177-182.

Kanowski, J., Hopkins, M. S., Marsh, H. and Winter, J. W. (2001). Ecological correlates of folivore abundance in north Queensland rainforests. *Wildlife Research* 28, 1-8.

Kershaw, A. P. (1994). Pleistocene vegetation of the humid tropics of northeastern Queensland, Australia. *Palaeo* 109, 399-412.

Kikkawa, J. (1976). The birds of Cape York Peninsula. *Sunbird* 7, 81-95.

Kikkawa, J. (1982). Ecological associations of birds and vegetation structure in wet tropical forests of Australia. *Australian Journal of Ecology* 7, 325-345.

Kikkawa, J. (1991). Avifauna of Australian rainforests. In *The Rainforest Legacy* (eds. G. Werren and P. Kershaw). Australian Government Publishing Service, Canberra, Australia.

Kikkawa, J. and Pearse, K. (1969). Geographical distribution of land birds in Australia – a numerical analysis. *Australian Journal of Zoology* 17, 821-840.

Kikkawa, J. and Williams, W. T. (1971). Altitudinal distribution of land birds in New Guinea. *Search* 2, 64-65.

Kikkawa, J., Monteith, G. B. and Ingram, G. (1981). Cape York Peninsula: Major region of faunal interchange. In *Ecological Biogeography of Australia* (ed. A. Keast). D. W. Junk, The Hague, Netherlands.

Körner, C. (2002). Mountain biodiversity, its causes and function: an overview. In *Mountain biodiversity: a global assessment* (eds. C. H. Körner and E. M. Spehn). Parthenon Publishing, New York, United States of America.

McDonald, K. R. (1992). *Distribution patterns and conservation status of north Queensland rainforest frogs*. Conservation Technical Report No. 1, Queensland Department of Environment and Heritage (now Queensland Environmental Protection Agency), Brisbane, Australia.

Menkhorst, P. and Knight, F. (2001). *A Field Guide to the Mammals of Australia*. Oxford University Press, Melbourne, Australia.

Milly, P. C. D., Wetherald, R. T., Dunne, K. A. and Delworth, D. L. (2002). Increasing risk of great floods in a changing climate. *Nature* 415, 514-517.

Monteith, G. B. (1985). Altitudinal transect studies at Cape Tribulation, north Queensland VII. Coleoptera and Hemiptera (Insecta). *Queensland Naturalist* 26: 70-78.

Monteith, G. B. (1995). *Distribution and altitudinal zonation of low vagility insects of the Queensland wet tropics* (Part 4) p. 120. Queensland Museum, Brisbane.

- Monteith, G. B. and Davies, V. T. (1991). Preliminary account of a survey of arthropods (insects and spiders) along an altitudinal transect in tropical Queensland. In *The Rainforest Legacy* (eds. G. Werren and P. Kershaw), Volume 2, pp.345-362. Australian Government Publishing Service, Canberra.
- Moritz, C., Patton, J. L., Schneider, C. J. and Smith T. B. (2000). Diversification of rainforest faunas: an integrated molecular approach. *Annual Review of Ecology and Systematics* 31, 533-563.
- Nix, H. A. (1991). Biogeography: pattern and process. In *Rainforest animals: atlas of vertebrates endemic to Australia's wet tropics* (eds. H. A. Nix and M. A. Switzer), Australian National Parks and Wildlife Service, Canberra, Australia.
- Nix, H. A. and Switzer, M. A. (1991). *Rainforest animals: atlas of vertebrates endemic to Australia's wet tropics*. Australian National Parks and Wildlife Service, Canberra, Australia.
- Palmer, T. N. and Ralsanen, J. (2002). Quantifying the risk of extreme seasonal precipitation events in a changing climate. *Nature* 415, 512-514.
- Parmesan, C. and Yohe, G. (2003). A globally coherent fingerprint of climate change impacts across natural systems. *Nature* 421, 37-42.
- Parmesan, C. (1996). Climate and species' range. *Nature* 382: 765-766.
- Peterson, A. T., Ortega-Huerta, M. A., Bartley, J., Sanchez-Cordero, V., Sorberon, J., Budermeler, R. H. and Stockwell, D. R. B. (2002). Future projections for Mexican faunas under global climate change scenarios. *Nature* 416: 626-629.
- Pizzey, G. and Knight, F. (1999). Field guide to the birds of Australia. Harper Collins, Sydney, Australia.
- Pounds, J. A., Fogden, M. P. L. and Campbell, J. H. (1999). Biological response to climate change on a tropical mountain. *Nature* 398, 611-615.
- Pounds, J. A., Bustamante, M. R., Coloma, L. A., Consuegra, J. A., Fogden, M. P. L., Foster, P. N., La Marca, E., Masters, K. L., Merino-Viteri, A., Puschendorf, R., Ron, S. R., Sanchez-Azofeifa, G. A., Still, C. J. and Young, B. E. (2006). Widespread amphibian extinctions from epidemic disease driven by global warming. *Nature* 439, 161-167.
- Root, T. L., Price, J. T., Hall, K. R., Schneider, S. H., Rosenzweig, C. and Pounds, J. A. (2003). Fingerprints of global warming on wild animals and plants. *Nature* 421, 57-60.
- Root, T. L., MacMynowski, D. P., Mastrandrea, M. D. and Schneider, S. H. (2005). Human-modified temperatures induce species changes: joint attribution. *Proceedings of the National Academy of Sciences of the United States of America* 102, 7465-7469.
- Schneider, C. J., Cunningham, M. and Moritz, C. (1998). Comparative phylogeography and the history of endemic vertebrates in the Wet Tropics rainforests of Australia. *Molecular Ecology* 7, 487-498.
- Schneider, C. and Williams, S. E. (2005). Quaternary climate change and rainforest diversity: insights from spatial analyses of species and genes in Australia's wet tropics. In *Tropical Rainforests: Past, Present and Future* (eds. C. Moritz, E. Bermingham and C. Dick), Chicago University Press, Chicago, United States of America.

Schodde, R. and Calaby, J. H. (1972). The biogeography of the Australo-Papua bird and mammal faunas in relation to Torres Strait. In *Bridge and barrier: the natural and cultural history of Torres Strait* (ed. D. Walker), Australian National University, Canberra, Australia.

Shoo, L. P. (2005). *Predicting and detecting the impacts of climate change on montane fauna in Australian tropical rainforests*. PhD Thesis, James Cook University, Australia.

Shoo, L. P., Williams, S. E. and Hero, J-M. (2005a). Potential decoupling of trends in distribution area and population size of species with climate change. *Global Change Biology* 11, 1469-1476.

Shoo, L. P., Williams, S .E. and Hero, J-M. (2005b). Climate warming and the rainforest birds of the Australian wet tropics: using abundance data as a sensitive predictor of change in total population size. *Biological Conservation* 125, 335-343.

Shoo, L. P. and Williams, Y. (2004). Altitudinal distribution and abundance of microhylid frogs (*Cophixalus* and *Astrochaperina*) of north-eastern Australia: baseline data for detecting biological response to future climate change. *Australian Journal of Zoology* 52, 667-676.

Stanton, J. P. and Stanton, D. J. (2005). The Vegetation of the Wet Tropics of Queensland Bioregion (version 1.1). Wet Tropics Management Authority, Cairns.

Still, C. J., Foster, P. N. and Schneider, S. H. (1999). Simulating the effects of climate change on tropical montane cloud forests. *Nature* 398, 608-610.

Thomas, C. D., Cameron, A., Green, R. E., Bakkenes, M., Beaumont, L. J., Collingham, Y. C., Erasmus, B. F. N., de Siqueira, M. F., Grainger, A., Hannah, L., Hughes, L., Huntley, B., van Jaarsveld, A. S., Midgley, G. F., Miles, L., Ortega-Huerta, M. A., Peterson, A. T., Phillips, O. L. and Williams, S. E. (2004a). Extinction risk from climate change. *Nature* 427, 145-148.

Thomas, C. D., Williams, S. E., Cameron, A., Green, R. E., Bakkenes, M., Beaumont, L. J., Collingham, Y. C., Erasmus, N., Ferriera de Siqueira, M., Grainger, A., Hannah, L., Hughes, L., Huntley, B., van Jaarsveld, A. S., Midgley, G. F., Miles, L., Ortega-Huerta, M. A., Peterson, A. T. and Phillips, O. L. (2004b). Biodiversity conservation: Uncertainty in predictions of extinction risk / Effects of changes in climate and land use / Climate change and extinction risk (reply). *Nature* 430 doi: 0.1038 Nature 2719.

Trenerry, M. and Werren, G. (1993). Possum assemblages in rainforest of the Carbine Tableland, NEQ, with special reference to *Hemibelideus lemuroids*. *Memoirs of the Queensland Museum* 34, 188.

Tracey, J. G. and Webb, L. J. (1975). Vegetation of the humid tropical region of north Queensland. CSIRO, Indooroopilly, Australia

Walsh, K. J. E. and Ryan, B. F. (2000). Tropical cyclone intensity increase near Australia as a result of climate change. *Journal of Climate* 13, 3029-3036.

Webb, L. J. (1987). Conservation status of the rainforest of north Queensland. In *The Rainforest Legacy* (eds. G. Werren and P. Kershaw), Australian Government Publishing Service, Canberra, Australia.

Wieneke, J. (1992). Altitudinal distribution of the grey-headed robin. *Sunbird* 22, 36-37.

Williams, S. E., Pearson, R. G. and Walsh, P. J. (1996). Distributions and biodiversity of the terrestrial vertebrates of Australia's wet tropics: a review of current knowledge. *Pacific Conservation Biology* 2, 327-362.

Williams S. E. (1997). Patterns of mammalian species richness in the Australian tropical rainforests: are extinctions during historical contractions of the rainforest the primary determinant of current patterns in biodiversity? *Wildlife Research* 24, 513-530.

Williams, S. E. and Pearson, R. G. (1997). Rainforest shape and endemism in Australia's wet tropics. *Proceedings of the Royal Society of London B* 264, 709-716.

Williams S. E. and Hero, J-M. (1998). Rainforest frogs of the Australian wet tropics: guild classification and the ecological similarity of declining species. *Proceedings of the Royal Society of London B* 265, 1-6.

Williams S. E. and Hero, J-M. (2001). Multiple determinants of Australian tropical frog biodiversity. *Biological Conservation* 98, 1-10.

Williams, S. E., Bolitho, E. E. and Fox, S. (2003). Climate change in Australian tropical rainforests: an impending environmental catastrophe. *Proceedings of the Royal Society of London Series B – Biological Sciences* 270, 1887-1892.

Williams, S. E. and Hilbert, D. (2006). Climate change threats to the biodiversity of tropical rainforests in Australia. In *Emerging threats to tropical forests* (eds. W. F. Laurance and C. Peres), Chicago University Press, Chicago, United States of America.

Williams, S. E., Isaac, J. L. and Shoo, L. P. (in review). The impact of climate change on the biodiversity and ecosystem functions of the Wet Tropics. In *Living in a dynamic tropical forest landscape* (eds. N. E. Stork and S. M. Turton).

Williams, S. E., Shoo, L. P., Henriod, R. and Pearson, R. G. (in revision). Elevational gradients in assemblage structure and productivity of rainforest birds in the Australian Wet Tropics bioregion: will increasing productivity help alleviate the impact of global climate change?

Wilson, R. (2005). Rainforest flies: assemblage structure, altitudinal range and climate change. Honours thesis. Australian National University, Canberra.

Wilson, S. (2005). *A field guide to the reptiles of Queensland*. New Holland Publishers, Sydney, Australia.

Winter, J. W., Bell, F. C., Pahl, L. I. and Atherton, R. G. (1984). *The specific habitats of selected northeastern Australian rainforest mammals*. Report to the World Wildlife Fund, Sydney, Australia.

Winter, J. W. (1988). Ecological specialisation of mammals in Australian tropical and subtropical rainforest: refugial or ecological determinism. In *The ecology of Australia's wet tropics* (ed. R. Kitching), Surrey Beatty, Sydney, Australia.

Yek, S. H. Unpublished data on ants.