

Publications: 1995–1996

Refereed papers

Andersen, A.N. (1995a) A classification of Australian ant communities, based on functional groups which parallel plant life-forms in relation to stress and disturbance. *Journal of Biogeography* **22**, pp 15-29.

Andersen, A.N. (1995b) Measuring more of biodiversity: genus richness as a surrogate for species richness in Australian ant communities. *Conservation Biology* **73**, pp 39-43.

Andersen, A.N. (in press 1996) Measuring invertebrate biodiversity: surrogates of ant species richness in the Australian seasonal tropics. *Memoirs of the Museum of Victoria*

Andersen, A.N. & Spain, A.V. (in press 1996) The ant fauna of the Bowen Basin, in the semi-arid tropics of central Queensland. *Australian Journal of Entomology*.

Andersen, A.N. & Sparling, G. P. (in press 1996) Ants as indicators of restoration success: relationship with soil microbial biomass in the Australian seasonal tropics. *Restoration Ecology*.

Churchill, T.B. (in press 1996) Spiders as indicator taxa: an overview for Australia. *Memoirs of the Museum of Victoria*.

Crough, G. & Jackson, S. (1995) International environmental treaties and the rights of indigenous peoples in Australia *Australian Geographer* **26**, No 1. pp 44-52.

Duff, G.A., Myers, B.A., Eamus, D. & Williams, R.J., (in press 1996) Seasonal changes in micro-climate of a wet-dry tropical savanna. *Australian Journal of Botany*.

Egan, J. & Williams, R.J. (in press 1996) Variation in plant life-form along a rainfall gradient in tropical savannas in the Northern Territory, N.T. *Australian Systematic Botany*.

Fordyce, I., Eamus, D., Duff, G.A. & Williams, R.J. (in press 1996) The role of seedling age and fire in the recovery of *Allosyncarpia ternata* following fire. *Australian Journal Ecology*.

Gill, A.M., Moore, P.H.R. & Williams, R.J. (in press 1996) Fire weather in the wet-dry tropics of the World Heritage Kakadu National Park, Australia. *Australian Journal of Ecology*.

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Panetta, F.D. & Scanlan, J.C. (1995) Human involvement in the spread of noxious weeds: what plants should be declared and when should control be enforced? *Plant Protection Quarterly* **10**, pp 69-74.

Price, O., Woinarski, J.C.Z., Liddle, D.L. & Russell-Smith, J. (1995) Patterns of species composition and reserve design for a fragmented estate: monsoon rainforests in the Northern Territory, Australia. *Biological Conservation* **74**, pp 9-19.

Prior, L., Eamus, D. & Duff G.A. (in press 1996) Seasonal and diurnal patterns of carbon assimilation, stomatal conductance and leaf water potential in *Eucalyptus tetrodonta* in a wet-dry savanna in northern Australia. *Australian Journal of Botany*.

Reichel, H. & Andersen, A.N. (1996) The rainforest ant fauna of Australia's Northern Territory. *Australian Journal of Zoology* **44**, pp 81-95.

Scanlan, J.C., Pressland, A.J. & Myles, D.J. (1996) Runoff and soil movement on mid-slopes in north-east Queensland grazed woodland. *Rangeland Journal* **18**.

Scanlan, J.C., Pressland, A.J. & Myles, D.J. (1996) Grazing modifies woody and herbaceous components of north Queensland woodlands. *Rangeland Journal* **18**.

Setterfield, S.A. & Williams, R.J. (in press 1996) Patterns of flowering and seed production in *Eucalyptus miniata* and *E. tetradonta* in a tropical savanna woodland, northern Australia. *Australian Journal of Botany*.

Southgate, R., Palmer, C., Adams, M., Masters, P., & Woinarski, J.C.Z. (in press 1996) Population and habitat characteristics of the Golden Bandicoot (*Isoodon auratus*) on Marchinbar Island, Northern Territory. *Wildlife Research*.

Vanderwoude, C., Andersen, A.N. & House, A.P.N. (in press 1996) Ant communities as bioindicators in relation to fire management of spotted gum (*Eucalyptus maculata* Hook) forests in south-east Queensland. *Memoirs of the Museum of Victoria*.

Williams R.J. and Douglas, M. (1995) Windthrow in a tropical savanna in Kakadu National Park, northern Australia. *Journal of Tropical Ecology*. **11**, pp 547-558.

Williams, R.J., Duff, G.A., Bowman, D.M.J. & Cook, G.C. (in press 1996) Variation in the composition and structure of tropical savannas as a function of rainfall and soil texture along a large scale climatic gradient in the Northern Territory. *Biotropica*.

Williams, R.J., Duff, G.A., Bowman, D.M.J.S. & Cook, G.C. (in press 1996). Variation in savanna structure and composition as a function of rainfall and soil texture along a large-scale climatic gradient in the Northern Territory. *Australian Journal of Biogeography*.

Williams, R.J., Myers, B A, Duff, G.A. & Eamus, D. (in press 1996) Phenology of the major woody species of a wet-dry tropical savanna in northern Australia. *Australian Journal of Botany*.

Williams, R.J., Myers, B.A., Muller, W.J., Duff, G.A. & Eamus, D.E. (in press 1996) Leaf phenology of woody species in a northern Australian tropical savanna. *Ecology*.

Woinarski, J.C.Z., Price, O. & Faith, D. (1996) Application of a taxon priority system for conservation planning by selecting areas which are most distinct from environments already reserved. *Biological Conservation* **76**. pp 147-159.

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Books or Chapters

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Bird Rose, D. (1996) *Nourishing Terrains; Australian Aboriginal views of Landscape and Wilderness* Australian Heritage Commission, Canberra. 95 pp.

Bird Rose, D. (1996) Histories and Rituals: Land Claims in the Territory in: *the Age of Mabo, History, Aborigines and Australia*, Attwood, B. (ed), Allen & Unwin, Sydney. pp 35-53.

Black, N. & Rutledge, J. (1995) *The Outback: The Authentic Australian Adventure*. Townsville, Australia: JCU Press. 184 pp.

Crough, G. & Howitt, R (1996) Australia (Chapter 4). In *Restructuring in Global Aluminium* Campbell, B. & Ericsson, L. M., (eds) Mining Journal Books, London. pp 175-207.

Majer, J.D., Recher, H.F., Wellington, A.B., Woinarski, J.C.Z. & Yen, A.L. (in press 1996). Invertebrates of eucalypt formations. In: *Eucalypt ecology: individuals to ecosystems*. Williams, J.E. and Woinarski, J.C.Z. (eds) Cambridge University Press, Cambridge.

Whitehead, P.J. & Chatto, R. (1996) Northern Territory. In: *A Directory of Important Wetlands in Australia*, 2nd edition. Blackley, R. Usback, S. & Langford, K. (eds) Australian Nature Conservation Agency, Canberra. pp 119-175.

Williams, R.J., Cook, G.D., Braithwaite, R.W., Andersen, A. & Corbett, L.K. (1995). Australia's wet-dry tropics: Identifying the sensitive zones. In: *Impacts of climate change on ecosystems and species: Terrestrial Ecosystems IUCN*, Pernetta, J.C., Leemans, R., Elder, D., and Humphrey, S. (eds) Gland, Switzerland. pp 39-65.

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Conference Papers

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Ahmad, W., Williams, R.J., Hill, G. & Cook, G.D. (1995) Synthetic Aperture Radar and environmental gradients in the Northern Territory, Australia: The environment, the data and the land cover types. *Proceedings, AIRSAR Australia 1993: Results of the 1993 Deployment*. NASA/UNSW, Sydney.

Andersen, A.N. (1994) Ants as indicators of restoration success following mining in northern Australia. In: *Australian Mining Looks North: Challenges and Choices. Proceedings of the 1994 AusIMM conference*, Darwin. pp.465-467 .

Bird Rose, D. (1995) Human Rights and Ecological Rights: Justice for the 21st Century, *Proceedings of the Localinks Conference*, Department of Conservation and Natural Resources, Melbourne (May). pp 9-15.

Bird Rose, D. (1995) Systems of knowledge: diversity and reconciliation, *Proceedings of the Localinks Conference*, Department of Conservation and Natural Resources, Melbourne (May). pp.117.

Cook, G.D. & Williams, R.J. (1995) Is fire protection a greater risk to tree survival than controlled burning? The effects of a single fire in a fire-protected savanna at Kapalga, Kakadu National Park. *Proceedings, Bushfires 1995*, Hobart.

Crough, G. (1995) Some issues in relation to the funding of regional agreements and indigenous self-government In: Aboriginal and Torres Strait Islander Commission, *ATSIC Regional Agreements Seminar, Cairns 29-31 May 1995*, Canberra. pp.77-87.

Held., A., Pidsley, D., Hatton, T. & Jupp, D.L.B. (1995) Use of Landsat TM Data to Scale measurements of evapotranspiration in the NT. *Proceedings of the 2nd North Australian Remote Sensing and GIS forum* (July). pp 102-110 .

Hill, G.J.E. & Duff, G. (1995) Education in natural resource management. In: *Proceedings Second Northern Australian Regional Outlook Conference* Darwin (October). 6 pp.

Hill, G.J.E. (1995) New research initiatives for the semi-arid savannas of northern Australia. In: *Proceedings International Conference On Agricultural Development in Semi-arid East Nusa Tenggara, East Timor and South East Maluku*, Kupang (December). 9 pp.

Hill, G.J.E. (1995) Remote Sensing, GIS and the CRC for Sustainable Development of Tropical Savannas. NARGIS 1995. In: *Proceedings of the 2nd North Australia Remote Sensing and GIS Workshop*. Darwin (July). pp 5-12.

Hynes, R.A. (1996) Opening address: Koala research for management *Proceedings of the Brisbane Koala Symposium* University of Queensland, September 1990, World Koala Research Inc.

Jaensch, R., P.J. Whitehead & Chatto, R. (1996) Conservation of waterbirds in tropical wetlands of the Northern Territory. In *Proceedings of Wetland Management in the Wet-dry Tropics*. A workshop conducted by the Environmental Research Institute of the Supervising Scientist, Jabiru, Northern Territory (March).

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Quirk, M.F., Hansen, V.L., Wilson, R.J. & Tyler, R. (in press 1996). Cattle growth rates on black spear grass country: A contemporary assessment. *Proceedings of the 9th Biennial Conference of the Australian Rangeland Society*.

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Crough, G. & Cronin, D (1995) Aboriginal People and the Century Project: the 'Plains of Promise' Revisited? In: Kinhill Cameron McNamara Pty Ltd, *The Century Project: Aboriginal Issues, Supplementary Report Draft Impact Assessment Report*, August, Brisbane. pp 50.

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Churchill, T.B. (1995) Scales of spatial and temporal variation in a Tasmanian heathland spider community. PhD thesis, Griffith University.

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*CRC staff are underlined where other researchers who are not party to the Centre have contributed to the publication

