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Science Communications lists titles of publications, reports etc prepared by Science Division staff. This issue is for the period ending May 2007.
If you require a copy of a submitted paper please contact the author. For all other titles please contact Lisa Wright at Woodvale.

Neil Burrows
Director

Journal Publications
Bougher N (2006). Coprinopsis stangliana: a recently introduced fungus expanding in urban bushlands of the Perth region of Western Australia. Nuytsia 16, 3-10
Bougher NL (2007). The genus Campanella in Western Australia. Mycotaxon 99, 327-335
Jayasekera AU, McComb JA, Shearer BL, Hardy GE St J (2007). In planta selfing and oospore production of Phytophthora cinnamomi in the presence of Acacia pulchella. Mycological Research 111, 355-362


Maslin B, Elliott C (2006). Acacia splendens (Leguminosae: Mimosoideae), a new, rare species from near Dandaragan, Western Australia. Nuytsia 16, 81-86


Pringle HJR, Watson IW, Tinley KL (2006). Landscape improvement, or ongoing degradation: reconciling apparent contradictions from the arid rangelands of Western Australia. Landscape Ecology 21, 1267-1279


Shearer BL, Fairman RG (2007). A stem injection of phosphate protects Banksia species and Eucalyptus marginata from Phytophthora cinnamomi for at least four years. Australasian Plant Pathology 36, 78-86

Shepherd KA, Bennett E, Wilkins C, Sage L (2006). Lasiopetalum pterocarpum (Malvaceae s.l.: Lasiopetalaeae), a new and rare species from south-west Western Australia. Nuytsia 16, 175-181

Smith JD, Wright LJ, Morris KD (comps) (2006). BiblioBarrowIsland: an annotated bibliography of the natural history of Barrow Island, 1622-

Stukely MJC, Webster JL, Ciampini JA, Kerp NL, Colquhoun IJ, Dunstan WA et al. (2007). A new homothallic Phytophthora from the jarrah forest in Western Australia. *Australasian Plant Disease Notes* 2, 49-51

Wege J (2006). Reinstatement of *Stylidium rigidulum* (Stylidiaceae), with notes on the morphologically allied *S. kalbarriense*. *Nuytsia* 16, 199-206

Wege J (2006). *Stylidium diplotrichum* (Stylidiaceae): a new scale-leaved trigger plant from south-west Western Australia, with taxonomic and anatomical notes on allied species. *Nuytsia* 16, 183-197


Wege J (2006). Taxonomic observations on *Stylidium spathulatum* (Stylidiaceae), with the description of three allied species from section *Saxifragoidea*. *Nuytsia* 16, 233-246

Wege J (2006). Taxonomic observations on the *Stylidium leptocalyx* complex (Stylidiaceae). *Nuytsia* 16, 221-231


Books/Chapters


Conference/Workshop Papers


Keighery G (2006). Documenting kwongan diversity: species, communities and conservation. In: Kwongan Colloquium: Native Plant Life on the Western Australian Sandplains University of Western Australia, School of Plant Biology, Crawley. 26 digital slides


Abstracts


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western barred bandicoot (*Perameles bougainville*) is associated with a novel papillomavirus (ABSTRACT). *In: American College of Veterinary Pathologists Annual Meeting, December 2-6, 2006, Tuscon, Arizona* 1


Reports


Armstrong S (2006). Establishment of additional long-term monitoring sites for Drupella cornus populations in the southern section of the Ningaloo Marine Park and the Muiron and Sunday Islands marine management areas, 18


Barth M (2007). Fire in the Fitz: western ground parrot habitat burns in wildlife. *Western Australian Bird Notes* 121, 10


Burbidge A (2006). Corellas expanding their...
range?.. *Western Australian Bird Notes* **120**, 15


De Tores P, Berry O (2007). Will curiosity kill the cat?. *Landscape* **22(3)**, 49-55


Robinson RM (2006). ForestCheck: monitoring biodiversity in jarrah forest managed for timber harvesting: poster presented at the
Conservation Planning Symposium, 27-28 September 2006, Perth Convention Exhibition Centre, Perth, Western Australia. 1 poster


Submitted

Abbott I Historical perspectives of the ecology of some conspicuous vertebrate species in southwest Western Australia. Conservation Science Western Australia

Abbott I Islands of Western Australia: changing human use over time. Early Days

Abbott I The spread of the cat, Felis catus, in Australia: re-examination of the current conceptual model with additional information. Conservation Science Western Australia


Atkinson CA, Lund M, Morris KD BiblioRakali: the Australian water rat, Hydromys chrysogaster Geoffroy, 1804 (Muridae: Hydromyinae), a subject-specific bibliography with particular reference to Western Australia. Conservation Science Western Australia


(Continued from page 9)
Bougher NL Ectomycorrhizal fungi: vital components of Australia's natural and restored biodiversity. *Australasian Plant Conservation*


Bougher NL The Hawaiian fungus, *Agaricus rotalis*, in Australia. *Western Australian Naturalist*

Burbidge A Towards monitoring rock-wallabies on Barrow Island. *Australian Mammalogy*

Burbidge AA, Fuller PJ Birds of the Gibson Desert Nature Reserve, Western Australia: response to drought and plenty. *Emu*

Burbidge AH, Rolfe J, McNee S, Newbey B, Williams M Monitoring population change in the cryptic and threatened western ground parrot. *Emu*

Butcher R, Byrne M, Crayn D New leafless *Tetratheca* Sm. (Elaeocarpaceae, formerly Tremandraceae) taxa from Western Australia: evidence for convergent evolution among phylogenetically distant rare species. *Australian Systematic Botany*

Byrne M Phylogeny, diversity and evolution of eucalypts. In: *Plant Genome: Biodiversity and Evolution*

Byrne M Phylogeography informs the conservation of a diverse and ancient flora in south-western Australia. *Australian Journal of Botany*

Byrne M, Elliott CP, Yates C, Coates DJ Extensive pollen dispersal in *Eucalyptus wandoo*, a dominant tree of the fragmented agricultural region in Western Australia. *Molecular Ecology*

Byrne M, Hopper S Granite outcrops as ancient islands in old landscapes: evidence from the phylogeography and population genetics of *Eucalyptus caesia* in Western Australia. *Journal of Evolutionary Biology*

Coates D, Sampson J, Yates C Plant mating systems and assessing population persistence in fragmented landscapes. *Australian Journal of Botany*

Cochrane A, Crawford A, Monks L The significance of ex situ seed conservation to plant recovery in south west Western Australia: a review. *Australian Journal of Botany*

Cochrane JA, Crawford AD, Monks LT The significance of ex situ seed conservation to threatened plant reintroduction. *Australian Journal of Botany*

Cochrane JA, Friend JA, Hill SJE The role of endozoochory in alleviating seed dormancy in the Australian bluebell, *Billardiera fusiformis* (Labill.) Payer (Pittosoraceae). *Journal of the Royal Society of Western Australia*

Davis RW A rare and geographically restricted new *Ptilotus* (Amaranthaceae) from the Pilbara bioregion of Western Australia. *Nytsia*

Davis RA, Burbidge AH The elegant parrot, *Neophema elegans*, in arid regions of Western Australia. *Amytornis*

Glen A Hotspot of endangered chuditch in Western Australia’s jarrah forest. *Wildlife Australia*

Glen A Mesopredator release: the Australian evidence (ABSTRACT). In: *Society for Conservation Biology Biodiversity Extinction Crisis Conference*

Glen A There goes the neighbourhood!: quolls sharing their habitat with feral predators. *Australian Geographic*

Glen AS, Dickman CR Niche overlap between marsupial and eutherian carnivores: does competition threaten the endangered spotted-tailed quoll?. *Journal of Applied Ecology*

Glen AS, Dickman CR, Soulé ME, Mackey BG Evaluating the role of the dingo as a trophic regulator in Australian ecosystems. *Austral Ecology*


Hislop M, Chapman AR Three new and geographically restricted species of *Leucopogon* (Ericaceae: Styphelioideae: Styphelieae) from south-west Australia. *Nytsia*

Hopkins A National parks. In: *Historical Encyclopedia of Western Australia*

Huisman J, Morrison S Life in isolated oases: Western Australia’s shelf-edge atolls. *Landscape*

Hussey BMJ, Keighery GJ, Dodd J, Lloyd SG,
Cousens RD Western weeds: a guide to the weeds of the Western Australia. - 2nd ed..


Keighery G Current and potential geophyte weeds of south Western Australia (ABSTRACT). In: International Conference on Ecology and Management of Alien Plant Invasions

Keighery G Taxonomic studies on conservation taxa: new rare Western Australian Darwinia (Myrtaceae). Nuytsia

Keighery GJ, Gibson N, van Leeuwen S, Lyons MN, Patrick S Biological survey and setting priorities for flora conservation in Western Australia. Australian Journal of Botany

Keighery G, Keighery B Australian hollyhock by any other name. Western Australian Wildflower Society Newsletter


Krauss SL, Hermanutz L, Hopper SD, Coates DJ Population size effects on seeds and seedlings from fragmented eucalypt populations: implications for seed sourcing for ecological restoration. Australian Journal of Botany

Macfarlane TD, Hearn RW Occurrence and status of Pentapogon quadrifidus (Poaceae) in Western Australia. Nuytsia

Macfarlane T, Williams AR Agrostis castellana (Poaceae) mis-identified as A. capillaris var. aristata in Western Australia. Nuytsia

Markey AS, Dillon SJ Flora and vegetation of the banded ironstone formations of the Yilgarn Craton: the central Tallering Land System. Conservation Science Western Australia

Markey AS, Dillon SJ Flora and vegetation of the banded ironstone formations of the Yilgarn Craton: the Weld Range. Conservation Science Western Australia


Maslin BR Three new wattles (Acacia: Mimosoideae) from the Kalannie region, Western Australia. Nuytsia

Maslin BR, Van Leeuwen S New taxa of Acacia (Leguminosae: Mimosoideae) and notes on other species from the Pilbara and adjacent desert regions of Western Australia. Nuytsia


McCaw WL Callitris in the woodlands and shrublands of southern Western Australia: ancient landscapes, contemporary issues.

McCaw L, Marchetti P, Elliot G, Reader G Bushfire weather climatology of the Haines Index in south-western Australia. Australian Meteorological Magazine

McCaw WL, Smith RH, Neal JE Variation in age to first flowering and fruiting of Banksia baxteri and Banksia coccinea at the Stirling Range, south-western Australia. Journal of the Royal Society of Western Australia

Meissner R, Caruso Y Flora and vegetation of banded ironstone formations of the Yilgarn Craton: Jack Hills. Conservation Science Western Australia

Meissner R, Caruso Y Flora and vegetation of banded ironstone formations of the Yilgarn Craton: Koolanooka and Perenjori hills. Conservation Science Western Australia

Meissner R, Caruso Y Flora and vegetation of banded ironstone formations of the Yilgarn Craton: Mount Gibson and surrounding area. Conservation Science Western Australia

Millar M, Byrne M Characterisation of polymorphic microsatellite DNA markers for Acacia saligna (Labill.) H.L.Wendl. (Mimosaceae). Molecular Ecology Notes

Monks L Bringing them back from the brink, or Our last best hope.

Monks L Translocation summary sheet for Grevillea althoferorum, Synaphea quartzitcia and Lambertia orbifolia subsp.. Reintroduction Specialist Group (Oceania) Newsletter


Pearson D Pilbara olive python (*Liasis olivacea barroni*). In: *Keeping and Breeding Australian Pythons* (ed M Swan).


Reinhold L, Thomas N Bernier and Dorre: of marsupials, mice and men. *Landscape*

Robinson RM *Cotylidia undulata*: a rare species in Europe finds life in Australia to its liking. *Fungimap Newsletter*

Robinson RM, Tunsell V Preliminary list of macrofungi recorded in burnt and unburnt *Eucalyptus diversicolor* regrowth forest in the south-west of Western Australia: 1998-2002. *Conservation Science Western Australia*

Rye BL *Micromyrtus trudgenii* (Myrtaceae: Chamelaucieae), a new species from the Blue Hills Range area of south-western Australia. *Nuytsia*

Rye BL New species and keys for *Cryptandra* and *Stenanthemum* (Rhamnaceae: Pomaderreae) in Western Australia. *Nuytsia*

Rye BL A reduced circumscription of *Balaustion* and description of the new genus *Cheyniana* (Myrtaceae: Chamelaucieae). *Nuytsia*

Rye BL Reinstatement of the Western Australian genus *Oxymyrrhine* (Myrtaceae: Chamelaucieae) with three new species. *Nuytsia*

Rye BL A review of the sectional classification of *Dicrastylis* (Lamiaceae: Chloantheae) and four new arid-zone species from Western Australia. *Nuytsia*

Shepherd KA *Tecticornia indefessa* (Chenopodiaceae subfamily Salicornioideae), a new mat samphire from north of Esperance, Western Australia. *Nuytsia*

Shepherd KA, Rye BL, Meissner R Two new Western Australian species of *Dodonaea* (Sapindaceae) from northern Yilgarn ironstones.

Shepherd K, Van Leeuwen S *Tecticornia bibenda* (subfamily Salicornioideae: Chenopodiaceae) a new C4 samphire from the Little Sandy Desert, Western Australia. *Nuytsia*

Shepherd KA, Wilson PG Incorporation of the Australian endemic samphires (Salicornioideae: Chenopodiaceae) into *Tecticornia*. *Australian Systematic Botany*


Start AN, Burbidge AA, McKenzie NL, Palmer C The status of mammals in the North Kimberley, Western Australia. *Australian Mammalogy*

Stone LM, Byrne M, Virtue JG An environmental weed risk management strategy for pasture research programs. *Australian Journal of Experimental Agriculture*

Stukely MJC, Webster JL, Ciampini JA, Brown E, Dunstan W, Hardy GE St J A chlamydospore-forming *Phytophthora inundata* isolated from dieback-affected jarrah forest in Western Australia. *Australasian Plant Pathology*

Thiele K, Brown A Recombinations in Western Australian Orchidaceae. 1. *Nuytsia*

Van Heurck P, Friend GR, Williams MR Fire and beetle biodiversity: short-term responses in the composition, structure and function of forest floor beetle communities to experimental fires in dry sclerophyll forest of south-west Western Australia. *Austral Ecology*


Ward BG, Ward CG, Liddelow GL A pilot camel survey of a central portion of Western Australia.

Wayne AF, Knapp SO, Ward CG, Vellios CV, Rooney JF, Lindenmayer DB Habitat selection for hollow-bearing trees by arboreal marsupials in the Mediterranean-type jarrah (*Eucalyptus marginata*) forest, Western Australia. I, the koomal (*Trichosurus vulpecula hypoleucus*). *Forest Ecology and Management*

Wayne AF, Knapp SO, Ward CG, Vellios CV, Rooney JF, Lindenmayer DB Habitat selection for hollow-bearing trees by arboreal marsupials in the Mediterranean-type jarrah (*Eucalyptus marginata*) forest, Western Australia. II, the ngwayir (*Pseudocheirus occidentalis*). *Forest*
Wayne AF, Rooney J, Morris KD, Johnson B
Improved bait and trapping techniques for chuditch (*Dasyurus geoffroii*); overcoming trap saturation by a recovering native fauna.
*Conservation Science Western Australia*

Wege J (8724) Proposal to conserve the name *Stylidium affine* against *S. drummondii* (Stylidiaceae). *Taxon*

Whitford K, Wills A, Manning L Results from surveys of wandoo crown decline, 2006.

Williams AAE, Williams M Records of butterflies (Lepidoptera) from inland and southern Western Australia. *Victorian Naturalist*

Wright LJ, Smith JA, Richardson J
*Conservation Science Western Australia*

Yates CJ, Coates DJ, Elliott C, Byrne M
Composition of the pollinator community, pollination and the mating system for a shrub in fragments of species rich kwongan in south-west Australia. *Biodiversity and Conservation*


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**New Science Project Plans**

**Project: SPP 2006/009 - Factors affecting fauna recovery in the Wheatbelt - Lake Magenta and Dunn Rock nature reserves:** a component of the investigation into introduced predator control and sustained fauna recovery in the rangelands and south-west of Western Australia.

**Supervising scientist:** Keith Morris

**Project SPP 2006/010 - Long-term monitoring of Ningaloo Reef: status of *Drupella cornus* abundance and health of shallow water benthic reef communities.**

**Supervising scientist:** Shannon Armstrong

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