

# SCIENCE COMMUNICATIONS

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Science Division Mission: The provision of up-to-date and scientifically sound information to uphold effective evidence-based conservation of biodiversity and sustainable natural resource management in Western Australia  
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*Science Communications* lists titles of publications, reports etc prepared by Science Division staff. This issue is for the period ending June 2009.

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Neil Burrows  
Director  
Science Division

## Journal Publications

- Armstrong SJ (2009). Assessing the effectiveness of sanctuary zones in the proposed Dampier Archipelago Marine Park. Marine Science Program Data Report Series **6**, Department of Environment and Conservation, Kensington, WA. 17 p.
- Armstrong SJ., Syme R (2009). Anoxic impacts at Bill's Bay, Ningaloo Marine Park, associated with the 2008 coral spawning event. Marine Science Program Data Report Series **2**, Department of Environment and Conservation, Kensington, WA. 19 p.
- Bullen RB, McKenzie NL (2009). Aerodynamic cleanliness in bats. *Australian Journal of Zoology* **56**, 281-296
- Burgess TI, Webster JL, Ciampini JA, White D, Hardy GE St J, Stukely MJC (2009). Re-evaluation of *Phytophthora* species isolated during 30 years of vegetation health surveys in Western Australia using molecular techniques. *Plant Disease* **93**, 215-223
- Burrows ND, Ward B, Robinson A (2009). Fuel dynamics and fire spread in spinifex grasslands of the Western Desert. *Proceedings of the Royal Society of Queensland* **115**, 69-76
- Butcher R (2009). *Tetradthea plumosa* (Elaeocarpaceae), a new species closely allied to *Tetradthea similis* from south-west Western Australia. *Nuytsia* **19**, 9-16
- Cochrane A, Barrett S (2009). The role of seed orchards in plant conservation. *Australasian Plant Conservation* **17(4)**, 10-12
- Crawford A, Monks L (2009). The road to recovery: the contribution of seed conservation and reintroduction to species recovery in Western Australia. *Australasian Plant Conservation* **17(4)**, 15-17
- Dong S, Gould A, Udalski A, Anderson J, Christie GW, Gaudi BS et al. [Martin R, Williams A] (2009). OGLE-2005-BLG-0711Lb: the most massive M dwarf planetary companion?. *Astrophysical Journal* **695**, 970-987
- Dunstan WA, Rudman T, Shearer BL, Moore NA, Dell B, Crane C et al. [Barrett S] (2009). Containment and eradication of *Phytophthora cinnamomi* in native vegetation in south-western Australian and Tasmania. *General Technical Report PSW* **211**, 218-226
- Eberhard SM, Halse SA, Williams MR, Scanlon MD, Cocking J, Barron HJ (2009). Exploring the relationship between sampling efficiency and short-range endemism for groundwater fauna in the Pilbara region, Western Australia. *Freshwater Biology* **54**, 885-901
- George N, Byrne M, Yan G (2009). Observations of the reproductive biology of *Acacia saligna* (Labill.) H.L.Wendl.. *Journal of the Royal Society of Western Australia* **92**, 5-14
- Gould A, Udalski A, Monard B, Horne K, Dong S, Miyake N, et al. [Martin R, Williams A] (2009). The extreme microlensing event OGLE-2007-BLG-224: terrestrial parallax observation of a thick-disk brown dwarf. *Astrophysical Journal* **698**, L147-L151
- Guerin GR (2009). A revision of *Westringia* section *Cephalowestringia* (Lamiaceae: Westringieae). *Australian Systematic Botany* **22**, 121-136

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- Hislop M (2009). The taxonomy of *Leucopogon bossiaea* and allied species (Ericaceae: Styphelioideae: Styphelieae) from the central south coast of Western Australia. *Nuytsia* **19**, 17-35
- Huisman JM, Phillips JC, Freshwater DW (2009). Rediscovery of *Gelidiella ramellosa* from near the type locality in Western Australia. *Cryptogamie Algologie* **30**, 1-14
- Kains N, Cassan A, Horne K, Albrow MD, Dieters S, Fouque P et al. [Martin R, Williams A] (2009). A systematic fitting scheme for caustic-crossing microlensing events. *Monthly Notices of the Royal Astronomical Society* **395**, 787-796
- Keighery GJ (2009). Six new and rare species of *Darwinia* (Myrtaceae) from Western Australia. *Nuytsia* **19**, 37-52
- Lee JY, Ryan UM, Jefferies R, McInnes LM, Forshaw D, Friend JA et al. (2009). *Theileria gilberti* n. sp. (Apicomplexa: Theileriidae) in the Gilbert's potoroo (*Potorous gilbertii*). *Journal of Eukaryotic Microbiology* **56**, 290-295
- Lewington MA, Maslin BR (2009). Three new species of *Acacia* (Leguminosae: Mimosoideae) from the Kimberley region, Western Australia. *Nuytsia* **19**, 63-75
- Matheny PB, Aime CM, Bougher NL, Buyck B, Desjardin DE, Horak E et al. (2009). Out of the palaeotropics? Historical biogeographic patterns in the cosmopolitan ectomycorrhizal mushroom family Inocybaceae. *Journal of Biogeography* **36**, 577-592
- McCarren KL, McComb JA, Shearer BL, Hardy GE St J (2009). *In vitro* influence of phosphite on chlamydospore production and viability of *Phytophthora cinnamomi*. *Forest Pathology* **39**, 210-216
- McCarren KL, McComb JA, Shearer BL, Hardy GE St J (2009). Phosphite impact on the *in vitro* production and viability of selfed oospores by *Phytophthora cinnamomi*. *Forest Pathology* **39**, 124-132
- Moody ML (2009). Recombination of subspecies in *Trihaloragis* (Haloragaceae). *Nuytsia* **19**, p. 197.
- Nistelberger HM, Llorens TM, Byrne M (2009). Isolation and characterization of microsatellites in the woody shrub, *Banksia sphaerocarpa* var. *caesia* (Proteaceae). *Molecular Ecology Resources* **9**, 148-149
- Özkan M, Aktas K, Özdemir C, Guerin G (2009). Mericarp morphology and its taxonomic utility in *Salvia* (Lamiaceae: Menthae) from Turkey. *Acta Botanica Croatica* **68**, 105-115
- Rye BL (2009). A reduced circumscription of *Balaustion* and description of the new genus *Cheyniana* (Myrtaceae: Chamelaucieae). *Nuytsia* **19**, 129-148
- Rye BL (2009). Reinstatement of the Western Australian genus *Oxymyrrhine* (Myrtaceae: Chamelaucieae) with three new species. *Nuytsia* **19**, 149-165
- Shearer BL, Crane CE (2009). Influence of site and rate of low-volume aerial phosphite spray on lesion development of *Phytophthora cinnamomi* and phosphite persistence in *Lambertia inermis* var. *inermis* and *Banksia grandis*. *Australasian Plant Pathology* **38**, 288-304
- Shearer BL, Crane CE, Fairman RG, Dunne CP (2009). Ecosystem dynamics altered by pathogen-mediated changes following invasion of *Banksia* woodland and *Eucalyptus marginata* forest biomes of south-western Australia by *Phytophthora cinnamomi*. *Australasian Plant Pathology* **38**, 417-436
- Shepherd KA, Lyons MN (2009). Three new species of *Tecticornia* (Chenopodiaceae, subfamily Salicornioideae) identified through Salinity Action Plan surveys of the central wheatbelt region, Western Australia. *Nuytsia* **19**, 167-180
- Shepherd KA, Wilson PG (2009). Clarification of recent combinations in the genus *Dysphania* (Chenopodiaceae). *Nuytsia* **19**, 198-199
- Standish R, Prober S, Curnow C, Richardson J (2009). Is fencing enough to conserve Western Australia's wheatbelt woodlands?. *Australasian Plant Conservation* **17(4)**, p. 22.
- Thiele K (ed) (2009). *Nuytsia*. Volume 19, number 1 (2009). 1-202 Department of Environment and Conservation, Kensington, WA.
- Vaughan RJ, Warren KS, Mills J, Palmer C, Fenwick S, Monaghan CL et al. [Friend JA] (2009). Hematological and serum biochemical reference values and cohort analysis in the Gilbert's potoroo (*Potorous gilbertii*). *Journal of Zoo and Wildlife Medicine* **40**, 276-288
- Wells FE, McDonald JI, Huisman JM (2009). Introduced marine species in Western Australia. Fisheries Occasional Publications **57**, 1-97
- Wilkins CF, Orthia LA, Crisp MD (2009). A new species of *Pultenaea* (Mirbelieae: Fabaceae) from Kundip, Western Australia. *Nuytsia* **19**, 191-196

(Continued on page 3)

(Continued from page 2)

Wilkins CF, Whitlock BA (2009). *Guichenotia anota* and *Guichenotia apetala* (Lasiopetaleae: Byttneriaceae or Malvaceae s. lat.), a new species and a revised species endemic to the Ravensthorpe Range, south-west Western Australia. *Nuytsia* **19**, 181-190

Williams MR (2009). Butterflies and day-flying moths in a fragmented urban landscape, south-west Western Australia: patterns of species richness. *Pacific Conservation Biology* **15**, 32-46

Wittkuhn RS, Hamilton T, McCaw L (2009). Fire interval sequences to aid in site selection for biodiversity studies: mapping the fire regime. *Proceedings of the Royal Society of Queensland* **115**, 101-111

Woolford L, O'Hara AJ, Bennett MD, Slaven M, Swan R, Friend JA, et al. [Sims C, Hill S] (2008). Cutaneous papillomatosis and carcinomatosis in the western barred bandicoot (*Perameles bougainville*). *Veterinary Pathology* **45**, 95-103

Wright LJ (comp) (2009). Science communications. No 25, January 2009. Department of Environment and Conservation, Woodvale, WA. 14 p.

#### **Books/Chapters**

Abbott I (2009). Appendix 25. Fauna. In: *Desert, Drought and Death: the Border Exploration Syndicate Expedition to the Rawlinson Range 1899-1900 by Henry William Hill* (eds M Chambers, PJ Bridge). pp. 124-125. Hesperian, Carlisle, WA.

Abbott I (2009). Appendix H. Fauna. In: *The Finest Gold Fields in the World: the Austin Expedition to the Murchison in 1854* (eds PJ Bridge K Epton, M Hercock et al.). pp. 157-166. Hesperian, Carlisle, WA.

Bougher NL (2009). Fungi of the Perth region and beyond: a self-managed field book. Western Australian Naturalists' Club, Perth. 268 p.

Dickman CR, Glen AS, Letnic M (2009). Reintroducing the dingo: can Australia's conservation wastelands be restored?. In: *Reintroduction of Top-Order Predators* (eds MW Hayward, MJ Somers). pp. 238-269. Blackwell, London.

Sim LL, Davis JA, Chambers JM (2009). Development of conceptual models for ecological regime change in temporary Australian wetlands. In: *New Models for Ecosystem Dynamics and Restoration* (eds RJ Hobbs, KN Suding). 259-279 Island, Washington.

Standish RJ, Cramer VA, Yates CJ (2009). A revised state-and-transition model for the restoration of woodlands in Western Australia. In: *New Models for Ecosystem Dynamics and Restoration* (eds RJ Hobbs, KN Suding). 169-188 Island, Washington.

Williams A, Powell R, Williams M, Walker G (2009). Common butterflies of the south-west. Department of Environment and Conservation, Western Australia, Bush Books DEC, Kensington. 72 p.

#### **Conference/Workshop Papers/Posters**

Ningaloo Research Coordinating Committee (2009). Proceedings of the Ningaloo Research Day for Students. 30 March 2009. CSIRO, Floreat, WA. CSIRO, Floreat. 20 p.

Ningaloo Research Coordinating Committee (2009). Third annual Ningaloo Research Symposium: Ningaloo into the future: integrating science into management, 26 and 27 May 2009, Novotel Ningaloo Resort, Exmouth, Western Australia. Department of Environment and Conservation, Kensington, WA. 88 p.

Stanley FJ, Prince RIT, Kregor G, Speirs MM (2009). Protecting Western Australian marine turtles through government and industry partnerships: poster presented at the 29th Symposium on Sea Turtle Biology and Conservation, 17-19 February, 2009, Brisbane, Australia (POSTER).

#### **Abstracts**

Byrne M (2009). Genetic diversity: a basis for forestry breeding programs (ABSTRACT). In: *Australasian Forest Genetics Conference: 20-22 April 2009, Perth, Western Australia: book of abstracts* p. 7. Conference Organising Committee, Perth.

Friedman K (2009). Establishing a long term marine monitoring programme for ecological and social assets in Western Australia (ABSTRACT). In: *Third annual Ningaloo Research Symposium: Ningaloo into the future: integrating science into management, 26 and 27 May 2009, Novotel Ningaloo Resort, Exmouth, Western Australia* p. 62. Department of Environment and Conservation, Kensington, WA.

Friend JA, Rusten K, Thomas ND (2008). Recruitment into the numbat *Myrmecobius fasciatus* population at Dryandra Woodland, Western Australia (ABSTRACT). *Newsletter of the Australian Mammal Society* **Oct**, p. 31.

(Continued on page 4)

(Continued from page 3)

Prince RIT (2009). Sea turtles in the Western Australian region: what do we now know/still need?: PowerPoint presentation at the Australian Mini-Symposium of the 29th Symposium on Sea Turtle Biology and Conservation, 17-19 February, 2009, Brisbane, Australia.

Scott PM, Eslick HT, Barber PA, Calver MC, Hardy GE St J, Shearer BL (2009). Phosphite application as an explorative tool for understanding and controlling *Eucalyptus gomphocephala* (tuart) decline in southwest Western Australia (ABSTRACT). *General Technical Report PSW 211*, p. 324.

Scott PM, Shearer BL, Barber PA, Hardy GE St J (2009). Pythiaceus fine feeder root pathogens associated with *Eucalyptus gomphocephala* (tuart) decline in southwest Western Australia (ABSTRACT). *General Technical Report PSW 211*, p. 86.

Stukely MJC, Webster JL, Ciampini JA, Burgess TI, White D, Dunstan WA et al. (2009). Molecular testing uncovers new *Phytophthora* taxa from natural ecosystems in Western Australia (ABSTRACT). *General Technical Report PSW 211*, p. 326.

Wayne A, Thompson A, Reiss A, Eden P, Pacioni C, Smith A et al. [Morris K, Marlow N, Orell P] (2009). Investigation of woylie (brush-tailed bettongs) population declines : a critical and challenging problem: presented at the Australian College of Veterinary Scientists, Scientific Meeting, Surfers Paradise, Queensland, 2-4 July 2009 (ABSTRACT). p. 1. Conference Organising Committee, Surfers Paradise.

Wayne A, Thompson A, Reiss A, Page M, van Weenen J, Maxwell M et al. [Ward C, Vellios C] (2009). A wildlife pandemic? Are introduced predators and disease the causes of the collapse of woylie (brush-tailed bettong) populations?: presented at the Australian Mammal Society, Scientific Meeting, Perth, Western Australia, 6-9 July 2009 (ABSTRACT). p. 1. Department of Environment and Conservation, Manjimup.

### Reports/Chapters

Armstrong SJ (2009). Ningaloo Marine Park *Drupella* long-term monitoring program: data collected during the 2008 survey. Marine Science Program Data Report Series **5**, Department of Environment and Conservation, Kensington, WA. 17 p.

Byrne M, Millar M (2008). Genetic works to delineate threatened flora species for recovery priority setting: *Dryandra mimica* (*Banksia mimica*). Department of Environment and Conservation, Kensington, WA. 5 p.

Byrne M, Millar M (2008). Genetic works to delineate threatened flora species for recovery priority setting : *Pultenaea pauciflora*. Department of Environment and Conservation, Kensington, WA. 4 p.

Coates DJ, Millar M, Byrne M (2009). Assessment of the genetic structure and levels of clonality in the critically endangered *Banksia ionthocarpa* subsp. *chrysophoenix* and its sister taxon *Banksia ionthocarpa* subsp. *ionthocarpa*. Department of Environment and Conservation, Kensington, WA. 15 p.

Durrant B (2009). Terrestrial invertebrate biodiversity assessment for the Gngangara Sustainability Strategy. In: *Gngangara Sustainability Strategy publication* Department of Environment and Conservation, Woodvale, WA. 48 p.

Elsco SV, Lane JAK, Clarke AG, Muir WP (2009). Nomination and improved documentation of nationally important wetlands in under-represented IBRA regions in Western Australia: report prepared for the Commonwealth Department of Environment, Water, Heritage and Arts. Department of Environment and Conservation, Busselton. 77 p.

Jones S, Collins M, Francis C, Halliday D (2009). Stage 3 evaluations of 28 wetlands in the Avon natural resource management region, spring 2008. Department of Environment and Conservation, Woodvale, WA. 66 p.

Jones S, Pinder A, Sim L, Halse S (2009). Evaluating the conservation significance of basin wetlands within the Avon Natural Resource Management region. Stage three assessment method. Department of Environment and Conservation, Woodvale, WA. 100 p.

Keighery G, Keighery B (2009). *Calystegia ? silvatica* (Convolvulaceae) in Broadwater Nature Reserve: a target for eradication. Department of Environment and Conservation, Woodvale, WA. 6 p.

Lane JAK, Clarke AG, Winchcombe YC, Pearson GB, Muir WP, Johnson BW, Elscot SV (2009). South west wetlands monitoring program report 1977-2007. Department of Environment and Conservation, Busselton. 332 p.

(Continued on page 5)

(Continued from page 4)

- Long SC, Holmes TH (2009). Comparative marine biodiversity of the Rowley Shoals 2007: benthic assemblages. Marine Science Program Data Report Series 7, Department of Environment and Conservation, Kensington, WA. 38 p.
- Masini R, Sim C, Simpson C (2009). Marine environments. *In: Protecting the Kimberley: a synthesis of scientific knowledge to support conservation management in the Kimberley region of Western Australia* 5-18 Department of Environment and Conservation, Kensington, WA.
- McKenzie N, Start T, Burbidge AA, Kenneally K, Burrows N (2009). Terrestrial environments. *In: Protecting the Kimberley: a synthesis of scientific knowledge to support conservation management in the Kimberley region of Western Australia* 19-31 Department of Environment and Conservation, Kensington, WA.
- Pacioni C, Spencer P, Wayne A (2009). Conservation conundrum: the population dynamics associated with recent decline of woylies (*Bettongia penicillata*) in Australia: final report to the South Coast Natural Resource Management Inc.. Murdoch University, Murdoch. 12 p.
- Pinder A (2009). Tools for identifying selected Australian aquatic oligochaetes (Clitellata: Annelida): presented at the Taxonomic Workshop held at La Trobe University, Albury-Wodonga Campus, Wodonga, February 10-11th 2009. TRIN Taxonomic Guide 2, Department of Environment and Conservation, Woodvale, WA. 49 p.
- Quinlan K, Pinder A, Cale D (2009). Assessment of the aquatic fauna conservation assets of wetlands in the Hutt River/Hutt Lagoon catchments. Department of Environment and Conservation, Woodvale, WA. 68 p.
- Radford I, Fairman R (2008). Preliminary report: fire responses of threatened mammals, and other taxa, in the Mitchell River area, north Kimberley, WA. Department of Environment and Conservation, Kununurra. 15 p.
- Richardson J, Gamblin T (2009). Project and knowledge gaps that restrict biodiversity conservation in the ANRMR. Department of Environment and Conservation, Kensington, WA. 17 p.
- Richardson J, Gamblin T, Murphy J (2009). An evaluation framework for the ACC's natural diversity program. Phase 1. Department of Environment and Conservation, Kensington, WA. 12 p.
- Sampson J, Byrne M (2009). Genetic analysis to inform management of mallee box, *Eucalyptus cuprea*. Department of Environment and Conservation, Kensington, WA. 8 p.
- Popular (Landscape, Newsletters, Letters, etc.)**
- Abbott I (2009). Exotic fauna. *In: Historical Encyclopedia of Western Australia* (eds J Gregory, J Gothard). pp. 341-342. University of Western Australia Press, Crawley.
- Abbott I (2009). Feral animals. *In: Historical Encyclopedia of Western Australia* (eds J Gregory, J Gothard). pp. 360-361. University of Western Australia Press, Crawley.
- Armstrong S (2009). Coral Bay reef recovery. Available at: [http://www.dec.wa.gov.au/component?option=com\\_docman/Itemid,1/gid,3501/task,doc\\_download/](http://www.dec.wa.gov.au/component?option=com_docman/Itemid,1/gid,3501/task,doc_download/). Department of Environment and Conservation, Western Australia, Science Division, Information Sheet 13/2009, DEC, Kensington, WA. 2 p.
- Armstrong S (2009). The status of the coral predator *Drupella cornus* at Ningaloo Marine Park. Available at: [http://www.dec.wa.gov.au/component?option=com\\_docman/Itemid,1/gid,3442/task,doc\\_download/](http://www.dec.wa.gov.au/component?option=com_docman/Itemid,1/gid,3442/task,doc_download/). Department of Environment and Conservation, Western Australia, Science Division, Information Sheet 11/2009, DEC, Kensington, WA. 2 p.
- Birch PV (2009). Perth Observatory. *In: Historical Encyclopedia of Western Australia* (eds J Gregory, J Gothard). pp. 683-684. University of Western Australia Press, Crawley.
- Bougher NL (2009). Mycology. *In: Historical Encyclopedia of Western Australia* (eds J Gregory, J Gothard). pp. 619-620. University of Western Australia Press, Crawley.
- Burbidge A, Mather S (eds) (2009). Western Australian bird notes: quarterly newsletter of Birds Australia Western Australia Inc. No. 129, March 2009. 36 p.
- Burrows N (2009). Wildfires can be bad for biodiversity. Available at: [http://www.dec.wa.gov.au/component?option=com\\_docman/Itemid,1/gid,3562/task,doc\\_download/](http://www.dec.wa.gov.au/component?option=com_docman/Itemid,1/gid,3562/task,doc_download/). Department of Environment and Conservation, Western Australia, Science Division, Information Sheet 17/2009, DEC, Kensington, WA. 2 p.
- Chapman A (comp) (2009). Western Australian cryptogam statistics. Available at: <http://florabase.calm.wa.gov.au/statistics/index-crypto.php> [Accessed 6 Jul 2009]. 1-3

(Continued on page 6)

(Continued from page 5)

- Chapman A (comp) (2009). Western Australian flora statistics. Available at: <http://florabase.calm.wa.gov.au/statistics/index.php> [accessed 6 Jul 2009]. 1-3
- Cochrane A (2009). Two Peoples Bay Nature Reserve. *Landscape* **24(3)**, 32-38
- Cochrane A, Crawford A (2009). Seed conservation: supporting the conservation of plant diversity. Department of Environment and Conservation, Western Australia, Science Division, Information Sheet **18/2009**, DEC, Kensington, WA. 2 p.
- Comer S, Berryman A, Burbidge A (2009). Turning down the heat: the challenges of managing the critically endangered western ground parrot in a wildfire prone environment. *Wingspan* **19(1)**, 10-13
- Dunlop J, Morris K (2009). Into the wild: restoring rangelands fauna. *Landscape* **24(4)**, 52-58
- Farr J (2009). Gumleaf skeletoniser in the jarrah forest. Available at: [http://www.dec.wa.gov.au/component/option,com\\_docman/Itemid,1/gid,3483/task,doc\\_download/](http://www.dec.wa.gov.au/component/option,com_docman/Itemid,1/gid,3483/task,doc_download/). Department of Environment and Conservation, Western Australia, Science Division, Information Sheet **12/2009**, DEC, Kensington, WA. 2 p.
- Friend T (2009). Gilbert's potoroo. *Landscape* **24(4)**, p. 45.
- Gibson L (2009). A biological survey of the Kimberley islands. Available at: [http://www.dec.wa.gov.au/component/option,com\\_docman/Itemid,1/gid,3499/task,doc\\_download/](http://www.dec.wa.gov.au/component/option,com_docman/Itemid,1/gid,3499/task,doc_download/). Department of Environment and Conservation, Western Australia, Science Division, Information Sheet **14/2009**, DEC, Kensington, WA. 2 p.
- Gosper C, Yates C, Prober S (2009). Fragmentation but not fire facilitates weed invasion in mallee. Available at: [http://www.dec.wa.gov.au/component/option,com\\_docman/Itemid,1/gid,3440/task,doc\\_download/](http://www.dec.wa.gov.au/component/option,com_docman/Itemid,1/gid,3440/task,doc_download/). Department of Environment and Conservation, Western Australia, Science Division, Information Sheet **10/2009**, DEC, Kensington, WA. 2 p.
- Hilmer S (2009). Gefräßige kuscheltiere: auf der spur verwilderter hauskatzen in Australien. *UniReport (Goethe-Universität)* **42**, p. 25.
- Hopkins A (2009). National parks. In: *Historical Encyclopedia of Western Australia* (eds J Gregory, J Gothard). pp. 622-623. University of Western Australia Press, Crawley.
- Keighery B, Keighery G (2009). New plant discoveries in Perth's backyard. *Landscape* **24(3)**, 23-29
- Keighery G (2009). Exotic plants and weeds. In: *Historical Encyclopedia of Western Australia* (eds J Gregory, J Gothard). pp. 342-343. University of Western Australia Press, Crawley.
- Keighery G (2009). Primitive flowering plants. *Landscape* **24(3)**, 6-7
- Keighery G (2009). Wembley wax. *Western Wildlife: Newsletter of the Land for Wildlife Scheme* **13(2)**, p. 13.
- Klocke D, Schmitz A, Schmitz H (2009). Native flies attracted to bushfires. Available at: [http://www.dec.wa.gov.au/component/option,com\\_docman/Itemid,1/gid,3540/task,doc\\_download/](http://www.dec.wa.gov.au/component/option,com_docman/Itemid,1/gid,3540/task,doc_download/). Department of Environment and Conservation, Western Australia, Science Division, Information Sheet **15/2009**, DEC, Kensington, WA. 2 p.
- Morris K (2009). Monitoring fox and feral cat populations using sand plots. Available at: [http://www.dec.wa.gov.au/component/option,com\\_docman/Itemid,1/gid,3439/task,doc\\_download/](http://www.dec.wa.gov.au/component/option,com_docman/Itemid,1/gid,3439/task,doc_download/). Department of Environment and Conservation, Western Australia, Science Division, Information Sheet **8/2009**, DEC, Kensington, WA. 2 p.
- Richardson J, Moore J (2009). Baselineing the Avon. *Landscape* **24(3)**, 44-50
- Robinson R (2009). Fungi respond to bushfires. *Western Wildlife: Newsletter of the Land for Wildlife Scheme* **13(2)**, 1, 3
- Robinson R (2009). Laccocephalums on Kangaroo Island, June 2008. *Fungimap Newsletter* **37**, 6-7
- Wills A (2009). Jarrah leafminer: a damaging pest of jarrah forest. Available at: [http://www.dec.wa.gov.au/component/option,com\\_docman/Itemid,1/gid,3556/task,doc\\_download/](http://www.dec.wa.gov.au/component/option,com_docman/Itemid,1/gid,3556/task,doc_download/). Department of Environment and Conservation, Western Australia, Science Division, Information Sheet **16/2009**, DEC, Kensington, WA. 2 p.

### Species/Astronomical Account

- Martin R, Griffith C, Cenko SB, Li W, Filippenko AV (2009). Supernova 2008y in NGC 5728. *Central Bureau for Astronomical Telegrams, Electronic Telegrams* **CBET 1684**, p. 1.
- Moin A, Tingay S, Phillips C, Taylor G, Wieringa M, Martin R (2009). Radio observation of GRB 090117 with ATCA. *GCN Circular* **8954**, p. 1.

### Submitted

- Clarke V, Pinder A Monitoring of the invertebrate assemblages of mound springs of the Three Springs area threatened ecological community.

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- Reid, J.E. Wardell-Johnson G. & Maslin B.R. A new variety of *Acacia pentadenia* (Leguminosae: Mimosoideae) from south-western Australia. *Nuytsia*
- Andersen AN, Lanoue J. Radford IJ The ant fauna of the Mitchell Falls region of tropical north-western Australia: diversity, biogeography and environmental relationships. *Wildlife Research*
- Averis S, Thompson RCS, Lymbery AJ, Wayne AF, Morris KD, Smith A The diversity, distribution and host-parasite associations of trypanosomes in Western Australian wildlife. *Journal of Parasitology*
- Bougher NL New science information sheets from WA fly the flag for fungi. *Fungimap Newsletter*
- Bougher NL Status of the genera *Hymenangium* and *Descomyces*. *Mycotaxon*
- Bougher NL Two intimately co-occurring species of *Mycena* section *Sacchariferae* in south-west Australia. *Mycotaxon*
- Bougher NL, Friend JA Fungi consumed by translocated Gilbert's potoroos (*Potorous gilbertii*) at two sites with contrasting vegetation, south coastal Western Australia. *Australian Mammalogy*
- Bullen RD, McKenzie NL Recent developments in studies of the community structure, foraging ecology and conservation of Western Australian bats.
- Burbidge A, Morris K Analysis of spotlighting data from Barrow Island Nature Reserve, Western Australia. *Australian Mammalogy, or Conservation Science*
- Burbidge A Western ground parrot update. *Western Australian Bird Notes*
- Byrne M Evolution and diversification in the flora of southern Australia. *In: Australian Systematic Botany Society Conference*
- Chapman TF, Kendrick A, Morris K, Stanley F, Speirs M Draft marine turtle recovery plan for Western Australia (ABSTRACT). *In: 29th Symposium on Sea Turtle Biology & Conservation, 17-19 February 2009, Brisbane, Australia*
- Cochrane A, Barrett S, Monks L, Dillon R *Inter situ* conservation: integrating *in situ* and *ex situ* conservation to recover threatened endemic flora in south west Western Australia (ABSTRACT). *In: Plant Conservation for the Next Decade: A Celebration of Kew's 250th Anniversary 12-16 October 2009*
- Cochrane A, Barrett S, Watson J Responses to threats and impacts on the outstanding biodiversity values of low-altitude mountains in south Western Australia.
- Cochrane A, Crawford A The impact of seed banking on flora conservation in south west Western Australia (ABSTRACT). *In: Native Seed Forum: A Celebration of the Millennium Seed Bank Project in Australia 2001-2009*
- Cochrane A, Monks L, Crawford A Lessons learnt from linking *ex situ* to *in situ* conservation of threatened plant species (ABSTRACT). *In: Society for Ecological Restoration International 2009 Conference, 23-27 August 2009. Perth, Western Australia*
- Cruz J, de Tores PJ, Sutherland DR, Leung LP-K, Marlow NJ Behavioural responses of Australian species to invasive predators (ABSTRACT). *In: International Mammalogical Congress, Mendoza, Argentina*
- Gibson L Beyond bioclimatic envelopes: dynamic species' range and abundance modelling in the context of climatic change. *Ecography*
- Glen AS, Pennay M, Dickman CR, Firestone KB Dietary overlap between native and introduced carnivores in eastern Australia (ABSTRACT). *In: Australian Mammal Society Conference 2009*
- Glen AS, Sutherland DR, Cruz J An improved method of microhabitat assessment relevant to predation risk. *Journal of Zoology*
- Gosper C, Yates C, Prober S Fire does not facilitate invasion by alien annuals in Australian mallee. *Diversity and Distributions*
- Gosper C, Yates C, Prober S Restoring an appropriate fire regime to fragmented remnants: a vital attributes approach (ABSTRACT). *In: Society for Ecological Restoration International conference 2009 program*
- Guthrie NA, Weir T, Will K Localized and regional patterns in the ground-dwelling beetle assemblages in a semi-tropical arid zone environment. *Records of the Western Australian Museum*
- Hardwick KA, Fiedler P, Lee LC, Pavlik B, Hobbs R, Hopper SD et al. [Coates D] Defining the role of botanic gardens in the science and practice of ecological restoration. *Conservation Biology*
- Heterick B, Durrant B, Gunawardene N The ant fauna of the Pilbara Bioregion, Western Australia. *Records of the Western Australian Museum*

(Continued on page 8)

(Continued from page 7)

Keighery G Strange waterlilies?. *Landscape*

Llorens T, Nistelberger H, Byrne M, Coates D, Yates C Fine scale genetic structure and gene flow in *Banksia sphaerocarpa* var. *caesia* in the fragmented agricultural landscape of south-western Australia (ABSTRACT). In: *Genetics Society of Australasia*

Malik AI, English JP, Shepherd KA, Islam AKMR, Colme TD Tolerance of combined salinity and O<sub>2</sub> deficiency in *Hordeum marinum* accessions from the grain-belt of Western Australia (ABSTRACT). In: *Proceedings of the International Plant Nutrition Colloquium*

Millar MA, Byrne M, Coates DJ Disparate patterns of population genetic diversity, structure and clonality in a critically endangered *Banksia* species (ABSTRACT). In: *Genetics Society of Australasia*

Miller E, Eldridge MDB, Thomas N, Marlow N, Morris K, Noakes N et al. Bilbies behind bars: the impact of captive management on genetic diversity in a threatened species. *Biological Conservation*

Monks L, Coates D Assessing translocation success for the critically endangered *Lambertia orbifolia* subsp. *orbifolia* (ABSTRACT). *Australasian Plant Conservation*

Motsi MC, Moteetee AN, Beaumont AJ, Rye BL, Savolainen V, van der Bank M The generic delimitation of *Pimelea* and *Thecanthes* (Thymelaeaceae): evidence from cp and nrITS sequence data. *Australian Systematic Botany*

Murphy S, Berryman A, Burbidge A, Joseph L, Austin J Raising the stakes: ancient and modern population history of western ground parrots combine to suggest a new addition to Australia's critically endangered species list. *Wingspan*

Nield AP, Ladd PG, Yates CJ Reproductive biology, post-fire succession dynamics and population viability analysis of the critically endangered Western Australian shrub *Calytrix breviseta* subsp. *breviseta* (Myrtaceae). *Australian Journal of Botany*

Pearson D, Greenlees M, Ward-Fear G, Shine R Predicting the ecological impact of cane toads (*Bufo marinus*) on camaenid land snails in north-western Australia. *Wildlife Research*

Rye B, Hislop M, Shepherd K, Hollister C A review of the sectional classification of *Petrophile* (Proteaceae) and description of new taxa in south-western Australia. *Nuytsia*

Shepherd K A new species of *Hakea* from the Swan Coastal Plain, Western Australia. *Nuytsia*

Sirisena U, Macfarlane TD, Conran JG *Thysanotus unicipensis* (Laxmanniaceae), a new species discovered in Unicup Nature Reserve, south-west Western Australia. *Nuytsia*

Stead-Richardson EJ, Bradshaw SD, Friend JA, Fletcher TP Monitoring reproduction in the critically endangered marsupial, Gilbert's potoroo (*Potorous gilbertii*): preliminary analysis of faecal oestradiol-17b, cortisol and progesteragens. *General and Comparative Endocrinology*

Stone LM, Byrne M Comparing the outputs of five weed risk assessment models implemented in Australia: are there consistencies across models?. *Ecological Applications*

Sutherland D Universal trap timer design to examine temporal activity of wildlife. *Journal of Wildlife Management*

Sutherland DR, Glen AS, de Tores P Could managing introduced mammalian carnivores lead to competitive release of varanid lizards?. *Biological Reviews*

Sutherland DR, Kearney MR, Glen AS, Hilmer S, Schmidt S, de Tores PJ Mammalian and reptilian predators: niche overlap and competitive interactions (ABSTRACT). In: *50th annual Australian Mammal Society Conference*

Timms BV, Pinder AM, Campagna VS The Australian endemic brine shrimp *Parartemia*: issues in biology and conservation (ABSTRACT). In: *Book of abstracts, Australian Society for Limnology Congress 2009*

Timms BV, Pinder AM, Campagna VS The biogeography and conservation status of the Australian endemic brine shrimp *Parartemia* (Anostraca, Parartemiidae). *Conservation Science Western Australia*

Van Heurck P, Majer J, Abbott I Wildfire or mosaic fires? Impacts on beetles in south-west Australia (ABSTRACT). In: *INTECOL 10 Conference program and proceedings, Brisbane, August 2009*

Wardell-Johnson G, Yates C, Hopper S, Byrne M, Mucina L, Franklin S et al. Developing an integrated approach to protect refuges threatened by climate change using granite outcrop flora (ABSTRACT). In: *10th INTECOL Conference*

Wayne A Woylie conservation research: South Coast NRM fact sheet.

Wege JA, Gibson N A new, rare *Marianthus* (Pittosporaceae) from the Bremer Range in Western Australia. *Nuytsia*

(Continued on page 9)



- Wege JA, Thiele KR Two new species of *Hibbertia* (Dilleniaceae) from near Ravensthorpe in Western Australia. *Nuytsia*
- Williers N, Bencini R, Matson P, Martin G, Morris K, Mawson P Deslorein implants prevent reproduction in female black-flanked rock-wallabies (*Petrogale lateralis lateralis*) in Western Australia (ABSTRACT). In: *Proceedings of the International Mammal Conference, Argentina, September 2009*
- Williams M Butterflies in urban bushlands around Perth. *Western Wildlife: Newsletter of the Land for Wildlife Scheme*
- Williams M Diversity of butterflies and day-flying moths in urban habitat fragments, south-western Australia.
- Williams M, Williams A Butterflies of the south-west. *Landscape*
- Wilson K, de Tores P, Spencer P Isolation and characterisation of polymorphic microsatellite markers in the western ringtail possum, *Pseudocheirus occidentalis*. *Conservation Genetics*
- Wittkuhn R, Hamilton T A novel method for recognising patterns in the temporal sequence of fire intervals and fire seasons using spatio-temporal data. *International Journal of Wildland Fire*
- Yates CJ, Elith J, Latimer A, le Maitre D, Midgley GF, Schurr FM, West A Projecting climate change impacts on species distributions in megadiverse South African cape and southwest Australian floristic regions: opportunities and challenges. *Austral Ecology*
- Yates CJ, McNeill A, Elith J, Midgley GF Assessing the impacts of climate change and land transformation on *Banksia* in the South West Australian Floristic Region. *Diversity and Distributions*

**APOLOGIES, THESE WERE OMITTED FROM THE RELEVANT HEADINGS**

**Journal Publications**

- Burbidge AA, McKenzie NL, Brennan KEC, Woinarski JCZ, Dickman CR, Baynes A et al. (2008). Conservation status and biogeography of Australia's terrestrial mammals. *Australian Journal of Zoology* **56**, 411-422
- Kellermann J, Rye BL (2008). Typification of three species of *Cryptandra* from Western Australia and a range extension for *C. myriantha* (Rhamnaceae: Pomaderreae). *Journal of the Adelaide Botanic Gardens* **22**, 31-32

- Kellermann J, Thiele KR (2008). Lectotypifications and nomenclatural notes on Rhamnaceae from northern Australia. *Journal of the Adelaide Botanic Gardens* **22**, 33-35
- Kiss LL, Szabó GM, Balog Z, Parker QA, Frew DJ (2008). AAOmega radial velocities rule out current membership of the planetary nebula NGC 2438 in the open cluster M46. *Monthly Notices of the Royal Astronomical Society* **391**, 399-404
- McCaw L (2008). 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* **91**, 269-273
- Millar MA, Byrne M, Coates DJ (2008). Seed collection for revegetation: guidelines for Western Australian flora. *Journal of the Royal Society of Western Australia* **91**, 293-299
- Poot P, Lambers H (2008). Shallow-soil endemics: adaptive advantages and constraints of a specialized root-system morphology. *New Phytologist* **178**, 371-381
- Reardon T, Adams M, McKenzie N, Jenkins P (2008). A new species of Australian freetail bat *Mormopterus eleryi* sp. nov. (Chiroptera: Molossidae) and a taxonomic reappraisal of *M. norfolkensis* (Gray). *Zootaxa* **1875**, 1-31
- Wesson R, Barlow MJ, Corradi RLM, Drew JE, Groot PJ, Knigge C et al. [Frew DJ] (2008). A planetary nebula around Nova V458 Vulpeculae undergoing flash ionization. *Astrophysical Journal* **688**, L21-L24
- Williams MR (2008). Assessing biodiversity of diurnal Lepidoptera in habitat fragments: testing the efficiency of strip transects. *Environmental Entomology* **37**, 1313-1322

**Books/Chapters**

- Biggs JD (ed) (2008). Western Australian astronomy almanac 2009. Perth Observatory, Bickley. 120 p.
- Cochrane A, Barrett S, Friend T, Bougher N, Comer S, Danks A (2008). Discovering Two Peoples Bay Nature Reserve. Department of Environment and Conservation, Western Australia, Bush Books DEC, Kensington, WA. 72 p.

### Conference/Workshop Papers/Posters

- Boucher NJ, Burbidge A, Jinnai M (2008). Computer recognition of sounds that have never been heard before: presented at the 18th Biennial Congress of the Australian Institute of Physics, University of Adelaide, 30 November to 5 December 2008. 1-4 Department of Environment and Conservation, Woodvale, WA.
- DEC, Science Division (2008). DEC Science Division presentations: NIEF 2008, biodiversity tour. Department of Environment and Conservation, Kensington, WA. 1 CD-ROM
- McCaw WL, Gould JS, Cheney NP (2008). Quantifying the effectiveness of fuel management in modifying wildfire behaviour: presented at the International Bushfire Research Conference incorporating the 15th Annual AFAC Conference, Adelaide Convention Centre, 1-3 September 2008. 1-8 Department of Environment and Conservation, Manjimup.
- Salt C, Burrows N, Coates D, van Leeuwen S (comps) (2008). Vegetation information management system: the need for a new vegetation map of WA: Vegetation Mapping Workshop, 23-24 July 2008, Perth, WA (CDROM). Department of Environment and Conservation, Woodvale, WA.

### Abstracts

- Bain K, Morris K, Wayne A, Bencini R (2008). Quantitative determination of the abundance of quokka (*Setonix brachyurus*) populations in the southern forests of Western Australia using relative abundance indices (POSTER ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 136. Conference Organising Committee, Dwellingup.
- Berry O, Algar D, Hamilton N, Hilmer S, Angus J (2008). A large reduction in fox abundance following 1080 baiting revealed by non-invasive DNA analysis (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 38. Conference Organising Committee, Dwellingup.

- Berryman A, Comer S, Burbidge AH (2008). Surveying critically endangered western ground parrot populations to inform fire management decisions (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 115. Conference Organising Committee, Dwellingup.
- Bryant G, Fleming PA, Warren K, de Tores P (2008). Pythons, foxes and possums (POSTER ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 133. Conference Organising Committee, Dwellingup.
- Burbidge AH, Berryman A, Comer S, Blyth J (2008). Stemming the decline of the critically endangered western ground parrot: where to from here? (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 116. Conference Organising Committee, Dwellingup.
- Burmej H, Smith A, Lymbery A, Wayne A, Morris K, Abdad Y et al. (2008). Describing ectoparasite biodiversity in threatened Western Australian mammals: new methods and challenges (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 45. Conference Organising Committee, Dwellingup.
- Burrows N (2008). Science Division: discovering the nature of WA: PowerPoint presentation given at: NGO Industrial Environment Forum, 4-5 December 2008, Western Australian Herbarium and Perth Zoo. Department of Environment and Conservation, Kensington, WA. 1 PDF
- Burrows N (2008). The value of data and its management: confessions of an applied environmental scientist (ABSTRACT). In: *The proceedings of TDWG: provisional abstracts of the 2008 Annual Conference of the Taxonomic Databases Working Group: 19-24 October 2008, Fremantle, Australia* (eds A Weitzman, L Belbin). p. 42. Biodiversity Information Standards (TDWG), Fremantle.

(Continued from page 10)

- Byrne M (2008). Evolution and diversification in the biota of southern Australia (ABSTRACT). In: *Australian Systematic Botany Society 2008 National Conference, Adelaide: Systematics in a changing environment: programme & abstracts: held at the University of Adelaide, 28th September-3rd October 2008* p. 14. Conference Organising Committee, Adelaide.
- Clarke J, Warren K, Robertson I, Calver M, de Tores P (2008). Health and survival of translocated western ringtail possums (POSTER ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 134. Conference Organising Committee, Dwellingup.
- Comer S, Tiller C, Burbidge AH (2008). Management of the noisy scrub-bird: translocations and wildfire (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 114. Conference Organising Committee, Dwellingup.
- Dunlop J, Morris K, Brennan K, Withnell B, Withnell K (2008). Fauna reconstruction in the WA rangelands (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 94. Conference Organising Committee, Dwellingup.
- Garretson S, Hill R, Bloomfield L, Strümpher L, Berry O, de Tores P (2008). Development and field application of a new device for collection of fox and cat hair in a forest environment (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 111. Conference Organising Committee, Dwellingup.
- Gioia P (2008). NatureMap: PowerPoint presentation given at: NGO Industrial Environment Forum, 4-5 December 2008, Western Australian Herbarium and Perth Zoo. Department of Environment and Conservation, Kensington, WA. 1 PDF
- Glen AS (2008). Responses of chuditch (*Dasyurus geoffroi*) to control of introduced predators (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 92. Conference Organising Committee, Dwellingup.
- Glen AS, Berry O, Sutherland DR, Garretson S, Robinson T, de Tores PJ (2008). Crime scene investigation using DNA melt curve analysis (POSTER ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 126. Conference Organising Committee, Dwellingup.
- Herbert CA, Morris KD, Orell P (2008). Fertility control for marsupial population management: pitfalls, prospects and promise (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 71. Conference Organising Committee, Dwellingup.
- Huisman JM (2008). Algal systematics in Australia: where do we go from here? (ABSTRACT). In: *Asia-Pacific Phycological Forum, Wellington, New Zealand, November 2008* Conference Organising Committee, Wellington.
- Marlow N, Thomas N, Macmahon B, Williams A, Lawson J, Berry O (2008). Decline of woylies (*Bettongia penicillata*) in Dryandra Woodland: is there a mesopredator effect? (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 94. Conference Organising Committee, Dwellingup.
- Maslin B (2008). Acacia (wattle) research supported: PowerPoint presentation given at: NGO Industrial Environment Forum, 4-5 December 2008, Western Australian Herbarium and Perth Zoo. Department of Environment and Conservation, Kensington, WA. 1 PDF

(Continued on page 12)

(Continued from page 11)

- Miller EJ, Eldridge MDB, Morris K, Herbert CA (2008). Relationships amongst the tammar wallaby populations in the Houtman Abrolhos archipelago, Western Australia (ABSTRACT). *In: Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 65. Conference Organising Committee, Dwellingup.
- Miller EJ, Eldridge MDB, Thomas N, Marlow N, Noakes N, Morris K et al. (2008). Bilbies behind bars: captive management and the effect on genetic diversity in a threatened species (ABSTRACT). *In: Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 62. Conference Organising Committee, Dwellingup.
- Morris K (2008). Fauna conservation research in DEC: issues and challenges: PowerPoint presentation given at: NGO Industrial Environment Forum, 4-5 December 2008, Western Australian Herbarium and Perth Zoo. Department of Environment and Conservation, Kensington, WA. 1 PDF
- Morris KD, Burbidge AA (2008). Monitoring mammal populations on Barrow Island (ABSTRACT). *In: Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 33. Conference Organising Committee, Dwellingup.
- Orell P, Asher J, Powell N, Mawson P, Algar D, Morris K, Brazell R, Marlow N, Brown P (2008). Western Shield: progress and challenges (ABSTRACT). *In: Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 110. Conference Organising Committee, Dwellingup.
- Pacioni C, Spencer P, Wayne A (2008). Understanding woylie decline: a molecular perspective (ABSTRACT). *In: Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 69. Conference Organising Committee, Dwellingup.
- Pacioni C, Spencer P, Wayne A (2008). Unravelling the contribution of genetics in the decline of the woylie. *In: Annual Conference, September 20th-26th, 2008, Kiola, NSW: Wildlife Disease Association: Abstracts, the Role of Health in Wildlife Management and Ecology* p. 14. Conference Organising Committee, Kiola, NSW.
- Parameswaran N, Pan S, Lymbery A, Smith A, Wayne A, Morris K et al. (2008). Toxoplasma in Australian wildlife: food for thought? (ABSTRACT). *In: Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 74. Conference Organising Committee, Dwellingup.
- Parkar U, Traub R, Vitali S, Wayne A, Morris K, Thompson A (2008). Characterisation of *Blastocystis* isolates from zoo animals and native wildlife (ABSTRACT). *In: Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 72. Conference Organising Committee, Dwellingup.
- Reiss A, Eden P, Wayne A, Pacioni C, Nicholls P, Thompson A (2008). Veterinary investigation of population declines of the woylie (*Bettongia penicillata*) in south-west Western Australia (ABSTRACT). *In: Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 75. Conference Organising Committee, Dwellingup.
- Richards J, Algar D, Williams J (2008). Faure Island: from cats and goats to bettongs and bandicoots (ABSTRACT). *In: Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 52. Conference Organising Committee, Dwellingup.
- Richardson B, Chapman A (2008). Ten years of FloraBase (POSTER ABSTRACT). *In: The proceedings of TDWG: provisional abstracts of the 2008 Annual Conference of the Taxonomic Databases Working Group: 19-24 October 2008, Fremantle, Australia* (eds A Weitzman, L Belbin). 99-100 Biodiversity Information Standards (TDWG), Fremantle.

(Continued on page 13)

(Continued from page 12)

- Siah WS, Woods R, Rose K, Skerratt, Wayne A, McKenzie J et al. (2008). Protecting wildlife health in Australia: how will we do it better in a One Health setting?. In: *Annual Conference, September 20th-26th, 2008, Kiola, NSW: Wildlife Disease Association: Abstracts, the Role of Health in Wildlife Management and Ecology* 44-45 Conference Organising Committee, Kiola, NSW.
- Smith A, Clark P, Averis S, Lymbery A, Wayne A, Morris K et al. (2008). A novel *Trypanosoma* sp. and its role in the decline of a threatened species of Australian marsupial, the brush-tailed bettong (*Bettongia penicillata*): represented at the European Multicolloquium of Parasitology, Paris, August 24-28, 2008 (ABSTRACT). p. 1. Conference Organising Committee, Paris.
- Smith A, Clark P, Averis S, Lymbery A, Wayne A, Morris K et al. (2008). The role of trypanosomes in the decline of a threatened species of Australian marsupial, the brush-tailed bettong (*Bettongia penicillata*) (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 73. Conference Organising Committee, Dwellingup.
- Sutherland DR (2008). Are native reptilian and introduced mammalian carnivores serious competitors in Australia? (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 93. Conference Organising Committee, Dwellingup.
- Thiele K (2008). DEC's Flora Conservation and Herbarium Program : an overview: PowerPoint presentation given at: NGO Industrial Environment Forum, 4-5 December 2008, Western Australian Herbarium and Perth Zoo. Department of Environment and Conservation, Kensington, WA. 1 PDF
- Thiele K (2008). An introduction to biological descriptions (ABSTRACT). In: *The proceedings of TDWG: provisional abstracts of the 2008 Annual Conference of the Taxonomic Databases Working Group: 19-24 October 2008, Fremantle, Australia* (eds A Weitzman, L Belbin). 15-16 Biodiversity Information Standards (TDWG), Fremantle.
- Wayne A, Ward C, Maxwell M, Vellios C, Wilson I, Wayne J et al. (2008). Diagnosing the recent woylie (*Bettongia penicillata*) collapse in south-western Australia (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 53. Conference Organising Committee, Dwellingup.
- Williers N, Bencini R, Morris K, Mawson P, Martin GB, Roberts JD (2008). Female black-flanked rock wallabies (*Petrogale lateralis lateralis*) treated with deslorelin show no adverse impacts on liveweight (ABSTRACT). In: *Australasian Wildlife Management Society 21st annual conference: human impacts on wildlife, 24-27 November 2008, Fremantle WA: program and book of abstracts* (ed AS Glen). p. 61. Conference Organising Committee, Dwellingup.

### Reports/Chapters

- Berryman A, Burbidge A (2008). Western ground parrot. In: *State of Australia's birds, 2008* (comp P Olsen). p. 34. Birds Australia, Melbourne.
- Cowan M (2008). Australian biodiversity assessment, 2008. Annex 2.3, examples of trends in significant species and communities: small mammals and reptiles of Lorna Glen expastoral station. Department of Environment and Conservation, Kensington, WA. 6 p.
- Cowan MA (2008). Australian biodiversity assessment, 2008. Annex 2.5.1, management of at risk biodiversity : progress towards CAR. Department of Environment and Conservation, Kensington, WA. 6 p.
- Cowan MA (2008). Summary of WA Museum vertebrate fauna records by IBRA subregions for 2008 NLWRA 2008 biodiversity assessment. Department of Environment and Conservation, Kensington, WA. 48 p.
- Maslin B, Reid J (2008). Assessment of Dalwallinu Shire wattles considered prospective for human food: a report produced for the Shire of Dalwallinu. Department of Environment and Conservation, Kensington, WA. 27 p.
- McKenzie NL, Burbidge AA, Morris KD (2008). [Australian biodiversity assessment, 2008]. Annex 2.3, examples of trends in significant species and communities: non-marine mammal faunas: change in indigenous mammal species at bioregional scale since European settlement. Department of Environment and Conservation, Woodvale, WA. 6 p.

(Continued on page 14)

(Continued from page 13)

Meyer CP, Reisen F, Luhar A, Powell J, Lee S, Cope M et al. [McCaw L] (2008). Particles, ozone and air toxic levels in rural communities during prescribed burning seasons: final report, May 2008. CSIRO Marine and Atmospheric Research, Aspendale. 212 p.

Ward BG, Lorkiewicz A (2008). A broad scale aerial survey of feral camel populations in the Great Victoria Desert, May 2008. Department of Environment and Conservation, Manjimup. 10 p.

Williams MR, Williams AAE (2008). Threats to the critically endangered arid bronze azure butterfly (*Ogyris subterrestris petrina*) by proposed vegetation clearing. Department of Environment and Conservation, Kensington. 17 p.

#### **Popular (Landscape, Newsletters, Letters, etc.)**

Cochrane A (2008). A unique voyage for threatened plants. *Samara* **15**, p. 6.

Huisman JM (2008). Green seaweeds of Britain and Ireland (BOOK REVIEW). *Journal of Phycology* **44**, 1093-1095

Kiss LL, Balog Z, Szabo GM, Parker QA, Frew DJ (2008). Star cluster kinematics with AAOmega. *Anglo-Australian Observatory Newsletter* **114**, p. 9.

#### **Management plans (Prescriptions, Guidelines, Recovery Plan Reports)**

Hearn RW, Meissner R, Brown AP, Macfarlane TD, Annels TR (2008). Declared rare and poorly known flora in the Warren Region, 2006. Western Australian Wildlife Management Program **40**, Department of Environment and Conservation, Kensington, WA. 310 p.

#### **Species/Astronomical Account**

Nakano S, Martin R (2008). Supernova 2008gz in NGC 3672. *Central Bureau for Astronomical Telegrams, Electronic Telegrams* **CBET 1566**, p. 1.

Wang L, Martin R (2008). Supernova 2008fl and 2008fp. *Central Bureau for Astronomical Telegrams, Electronic Telegrams* **CBET 1509**, p. 1.

#### **Submitted**

Hilmer S, Algar D, Tonkin DJ Ferals in Paradise: feral cat control on the Cocos (Keeling) Islands. In: *NEOBIOTA: towards a synthesis: 5th European Conference on Biological Invasions, Prague (Czech Republic), 23-28 September 2008: conference proceedings*

### **New Science Project Plans**

**Project SPP 2009/005** - Fire, fragmentation, weeds and the conservation of plant diversity in Wheatbelt Nature Reserves  
Supervising scientist: Colin Yates

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