

Associate Professor David Grantley Morgan AM

Department of Zoology, University of Melbourne

Summary Profile

Professor Morgan joined the staff of the Zoology Department at the University of Melbourne in 1993, after over 30 years of work in science education for the Victorian Education Department, Melbourne State College, Melbourne College of Advanced Education and the University of Melbourne's Institute of Education, including many years as Biology Department Head. From the early 1960's to the late 1980's he also directed the (national) School Biology Project for the Australian Academy of Science, for which he was awarded Membership of the Order of Australia (AM). Since 2003 he has been Principal Fellow within the Zoology Department.

Since joining the Zoology Department, his teaching and research have focussed on terrestrial ecology, population census methods for birds and mammals, population ecology, modelling and management, and environmental management, in which he currently teaches. This has included research on kangaroos.

Studies on Kangaroos

Population studies on the western grey and red kangaroo began in national parks in the Victorian Mallee during the 1970's, involving both modelling and management, and have continued to the present day in conjunction with Parks Victoria as well as with its predecessors. He has also monitored eastern grey kangaroo populations in the Puckapunyal Military Area in Victoria since the early 1980's. He is a long-term member of the Victorian Kangaroo Technical Advisory Committee, which addresses and advises on management issues involving over-abundant kangaroos on public land in Victoria. PhD and Honours students under his supervision have carried out research on population estimation methods, diel movement patterns in eastern grey kangaroos, dietary choice in western grey and red kangaroos, and on the relationships between kangaroo diet, population density and vegetation change.

Acting in most cases on behalf of the University of Melbourne, he has carried out a variety of research consultancies on Australian fauna and flora for various Australian government departments and agencies, including the Commonwealth Bureau of Rural Resources, the Australian Fisheries Council, the Department of Defence, the Victorian Department of Conservation and Natural Resources, and the New South Wales Department of Land and Water Conservation. This has included work on feral pigs and southern bluefin tuna, and on other grazing mammals such as wallabies and koalas.

Publications

He has been sole author of well over a hundred technical reports and research papers in ecological fields, and part-author of a number of others. He has addressed various conferences, the most recent being the 2006 Symposium of the Australian Mammal Society. He has also spoken and published extensively in science education. His most recent publication on kangaroos — *Managing a Kangaroo Population by Simulating Predation* — is currently in press.

Email: d.morgan@zoology.unimelb.edu.au

Postal Address: Associate Professor D.G.Morgan Phone: +61 (0)3 9344 4853
Department of Zoology
University of Melbourne Fax: +61 (0)3 9344 7909
Parkville
Victoria 3052
Australia

— February 2008

Contact Details and Curriculum Vitae

personal details:	
name:	Andrew Leslie Braid
address:	P.O. Box 6190, O'CONNOR. ACT 2602
telephone:	(02) 6257 2623 (home) (02) 6241 4002 (Kaleen Veterinary Hospital: Monday, Tuesday) (02) 6242 1638 (CSIRO Sustainable Ecosystems: Wednesday, Thursday, Friday)
email:	Andrew.Braid@csiro.au
facsimile:	(02) 6257 2623 (home), 6242 1555 (CSE)
place of birth:	Melbourne
nationality:	Australian
education:	The University of Melbourne Bachelor of Veterinary Science
employment history 1993–2008 (current):	<p>CSIRO Sustainable Ecosystems (formerly Wildlife and Ecology): half-time position. Divisional veterinarian, manager of animal facilities and supervisor of animal care staff:</p> <ul style="list-style-type: none"> • Provide veterinary advice in research procedures and animal care. • Undertake surgical procedures for research teams working in the Pest Animal Control CRC on biocontrol of the vertebrate pests species: mouse, rabbit and fox. • Manage of the animal facilities, including supervision of the animal care staff, maintenance of the animal holding facilities and financial management. <p>Note: This position has been significantly reduced since the closure of the CSE animal house in July 2005.</p> <p>Executive Officer of the Sustainable Ecosystems Animal Ethics Committee (SEAEC):</p> <ul style="list-style-type: none"> • Undertake all secretarial duties associated with the activities of the Committee – minutes, reports, memos, records etc. • Provide advice and reference material for the members of the Committee • Provide advice and training to CSE researchers on the requirements of the Code and SEAEC. • Act on behalf of the Division on all matters relating to animal welfare and the use of animals in research.

Member of CSE's Agricultural Landscapes Program: Provide input into the integration of livestock production systems into environmental conservation practices in agriculture. During 2007 joined the Divisional Biofuels team, specifically considering the use of biofuel co-products as livestock feed.

Additional activities associated with animal welfare and ethics

- Category A member of SEAEC, 1993 -2004
- Member of the NSW Animal Research Review Panel's, Wildlife Advisory Group, 1994 to 1998. This group developed Section 5 of the Code, Wildlife Studies, which was introduced in the 6th edition, 1997
- Member of the review team for the External Review of the Animal Ethics Committee of the Australian National University, 2002 and 2007
- Represented CSE at the RSPCA Australia/AWC/VPC joint workshop Towards Humane Vertebrate Pest Control – development of a national research, development and education strategy – August 2003
- Adviser on veterinary and animal welfare matters for the Australian Wool Innovation Ltd research project 'Development of Baits with Enhanced Canid Specificity' 2003-2005
- Appointed to the ACT Animal Welfare Advisory Committee, December 2005 as the representative of organisations using animals in research in the ACT.
- Consultancy with the Invasive Animals CRC for the Vertebrate Pest Committee to initiate national adoption of agreed Codes of Practice and Standard Operating Procedures for Humane Vertebrate Pest Control, 2006 – 2007.
- Attended: ANZCCART Conferences and Workshops, NSW ARRP Meeting of Chairs of AECs, RSPCA's annual Scientific Conferences in Canberra.

1988–2008 (current):

Kaleen Veterinary Hospital, ACT:

Veterinarian in charge of the veterinary practice two days per week, undertaking consultations and surgery as required.

1975–1988:

Principal, Kiama Veterinary Clinic, Kiama. NSW:

The practice was based on dairy work in the Jamberoo Valley and around Kiama, Albion Park and West Dapto, NSW, servicing up to 80 dairy farms. Emphasis was in veterinary preventive medicine and its integration with farm management procedures and economics. The practice provided a herd health program which was based on computer records of dairy herds and regular

visits for examination and treatment of animals not meeting production criteria. The practice also provided an artificial insemination service. In addition to the dairy work, there was a veterinary service for companion animals, horses and racing greyhounds and the practice oversaw the health and welfare of a variety of exotic animals at a local resting park owned by Sole Bros Circus. During this time the practice was expanded to three veterinarians.

publications:

NSW Animal Research Review Panel (1996) *Guidelines for wildlife interaction studies.*

NSW Animal Research Review Panel (1996) *Guidelines for the use of feral animals in research.*

Robinson, AJ, Muller, WJ, Braid, A, Kerr, PJ (1998) The use of buprenorphine in laboratory rabbits infected with myxoma virus, *Laboratory Animals.*

Gerhard H. Reubel, Jenny Pekin, Daryl Venables, John Wright, Steven Zabar, Katrina Leslie, Terry L.W.

Rothwell, Lyn A. Hinds, Andrew Braid. Experimental infection of European red foxes (*Vulpes vulpes*) with canine herpesvirus. *Veterinary Microbiology* 83 (2001) 217-233

Hardy, CM., Braid AL. Vaccines for immunological control of fertility in animals. *Rev. sci. tech. Off. Int. Epiz.*, 2007, **26** (2) 461-470

Braid AL., *Biofuel Co-products as Livestock Feed.* RIRDC Publications No 07/175, November 2007

Curriculum vitae: Sue McINTYRE

Academic Qualifications

- 1980 BSc (Honours, First Class), Botany Department, University of Melbourne
1987 PhD, Botany Department, University of Melbourne
Thesis topic 'Population Studies of *Diplachne fusca* in Relation to the Weed Flora of Rice Weed in New South Wales'

Main Research Interests

Grassland ecology, conservation biology, plant functional types in relation to disturbances, landscape planning, integration of natural resource conservation and production in rural lands.

Present Appointment

2003- present Senior Principal Research Scientist, CSIRO Sustainable Ecosystems, Canberra

Previous Appointments

1997-2003 Principal Research Scientist, CSIRO Sustainable Ecosystems, Brisbane

- 1993-1997 Senior Research Scientist, CSIRO Tropical Agriculture, Brisbane.
1989-1993 Research Fellow, University of New England, Armidale.
1976-1989 Tutor, Dept. of Ecosystem Management/ Dept. of Agronomy and Soil Science.
1982-1985 Experimental Officer, CSIRO Centre for Irrigation Research, Griffith NSW.

Awards

- 1990-3 Australian Postdoctoral Research Fellowship (Australian Research Council)
1988-9 Australian Wool Corporation Research Fellowship.
1987 Melbourne University Writing-up Award.
1985-6 Melbourne University Post-graduate Scholarship.

Student Supervision

- Skinner, A. (2005 -) PhD. Charles Sturt University
Mokany, K (2004 - 07) Ph.D. Australian National University
Martin, T.G (2001- 05) Ph D. University of Queensland
Reseigh, J. (2000-2004) Ph.D. University of New England.
Dorrrough, J. (1997-01) Ph.D. Australian National University.
Best, K. (1997) BSc (Hons). University of Queensland.
Chalmers, A. (1992-96). Ph.D. University of New England.
Trémont, R. (1992). M. Litt.: University of New England.

Externally-funded projects conducted since 1995 (as principal investigator)

- 2007 - "Active management and enhancement of endangered temperate woodlands" National Heritage Trust
2008
2005-2007 "Linking management to the ecosystem services provided by understorey vegetation in grassy woodlands" Environmental Trust of NSW
2004 - "Land use change, plant functional types and ecosystem services"
2006 French-Australian Science and Technology (FAST) Programme (with S. Lavorel)
2001 - 'Weed functional groups' Weed Management CRC
2004
2001-2004 LWA 'A National Framework for Landscape Classification'
2000-2003 LWA 'Improved Vegetation Planning for Rural Landscapes'
1997-2001 MLA, LWRRDC & EA 'Incorporation of practical measures to assist conservation of biodiversity within sustainable beef production in northern Australia'
1997-2000 LWRRDC 'Applying management principles on variegated landscapes: identifying production/conservation trade-offs' (with N. MacLeod).
1996-1997 Bilateral Science and Technology Collaboration Scheme 'Effects of human disturbance on grasslands'
1996-1997 LWRRDC 'Diversity and sustainability in rangeland livestock production system'

Scientific and advisory committees

- 2007 – present Board Director, Bush Heritage Australia
2007 – present Member Conservation Committee, Bush Heritage Australia
2001 - present Editorial Board, Pacific Conservation Biology
2006 - 2007 Associate Editor, *Journal of Vegetation Science*
2000 - 2003 Management Committee, LWRDDC Phase II Remnant Vegetation Management Program
1999 - 2006 Editorial Advisory Committee, Australian Journal of Botany.
1997 - 2001 Global Change and Terrestrial Ecosystems, Leader Task 2.2.1 (Responses of Vegetation to Land Use and Disturbance)
1997 - 2001 Global Change and Terrestrial Ecosystems, Leader Task 2.2.1
1997 - 2000 Member of the Council for Sustainable Vegetation Management
1995 - 1998 Editor, Australian Journal of Ecology

Publications

104 publications including 60 papers in refereed journals, 10 book chapters and 1 edited book.

Most significant contributions

- McIntyre S. & Barrett G. W. (1992). Habitat variegation, an alternative to fragmentation *Conservation Biology*, 6, 146-147.
McIntyre S. and Lavorel S. (1994). Predicting richness of native, rare and exotic plants in response to habitat and disturbance variables across a variegated landscape. *Conservation Biology*, 8, 521-531.
McIntyre S., Lavorel S. and Trémont R. M. (1995). Plant life-history attributes: their relationship to disturbance response in herbaceous vegetation. *Journal of Ecology*, 83, 31-44.

- Lavorel, S., McIntyre, S., Landsberg, J. and Forbes, T. D. A. (1997). Plant functional classifications: from general functional groups to specific disturbance response groups. *Trends in Ecology and Evolution*, 12, 474-478.
- McIntyre, S. and Hobbs, R. J. (1999) A framework for conceptualizing human impacts on landscapes and its relevance to management and research models. *Conservation Biology*, 13, 1282-92.
- McIntyre, S., Díaz, S., Lavorel, S. and Cramer, W. (1999). Plant functional types and disturbance dynamics. *Journal of Vegetation Science*, 10, 604-608.
- McIntyre, S., Lavorel, S., Landsberg, J. and Forbes, T. D. (1999). Disturbance response in vegetation - gaining a global perspective on functional traits. *Journal of Vegetation Science*, 10, 621-630.
- McIntyre, S., McIvor, J. G. & MacLeod, N. D. (2000) Principles for sustainable grazing in eucalypt woodlands: landscape-scale indicators and the search for thresholds. In 'Management for sustainable ecosystems' pp. 92-100, Eds. P. Hale, A. Petrie, D. Moloney and P. Sattler, 'Centre for Conservation Biology, University of Queensland, Brisbane.
- McIntyre, S. & Lavorel, S. (2001) Livestock grazing in sub-tropical pastures: steps in the analysis of attribute response and plant functional types. *Journal of Ecology*, 89, 209-226.
- McIntyre, S., McIvor, J. G. & Heard, K. M. (2002) (eds) *Managing and conserving grassy woodlands*. CSIRO Publishing, Melbourne.
- McIntyre, S. (2003) The Landscape Game: a learning tool for demonstrating landscape design principles. *Ecological Management and Restoration*, 4 103 – 109.
- McIntyre, S., Heard, K.M. & Martin, T.G. (2003) The relative importance of cattle grazing in sub-tropical grasslands - does it reduce or enhance plant biodiversity? *Journal of Applied Ecology*, 40, 445-457.
- Hobbs, R. J. and McIntyre, S. (2005). Categorizing Australian landscapes as an aid to assessing the generality of landscape management guidelines. *Global Ecology and Biogeography*, 14, 1-15.
- McIntyre, S. & Tongway, D. (2005) Grassland structure in native pastures – links to soil surface condition. *Ecological Management and Restoration*, 6, 43-50.
- McIntyre, S. (2005) Biodiversity attributes of different sward structures in grazed grassland. *Ecological Management and Restoration*, 6, 71-73.
- McIvor, J. G., McIntyre, S., Saeli, I. and Hodgkinson, J. J. (2005) Patch dynamics in grazed sub-tropical native pastures in south-east Queensland, *Austral Ecology*, 30, 445-464.
- Hutchinson, M. F., McIntyre, S., Hobbs, R. J., Stein, J. L., Garnett, S. and Kinloch, J. (2005). Integrating a global agro-climatic classification with bioregional boundaries in Australia. *Global Ecology and Biogeography*, 14, 197-212.
- McIntyre, S., Martin, T. G., Heard, K. M. and Kinloch, J. (2005) Plant traits predict impact of invading species: an analysis of herbaceous vegetation in the sub-tropics. *Australian Journal of Botany*, 53, 757–770.
- Martin, T. G., McIntyre S., Catterall, C. P. and Possingham, H. P. (2006) Is landscape context important for riparian conservation? Birds in grassy woodland. *Conservation Biology*, 127, 201-214.
- Díaz, S., Lavorel S., McIntyre, S., Falczuk, V., Casanoves, F., Milchunas, D. G., Skarpe, C, Rusch, G., Sternberg, M., Noy-Meir, I., Landsberg, J., Wei, Zhang, Clark, H. and Campbell, B. D. (2007) Grazing and plant traits – a global synthesis. *Global Change Biology*, 13, 313–341.
- McIntyre, S. & Lavorel, S. (2007) A conceptual model of land use effects on the structure and function of herbaceous vegetation in the Australian temperate zone. *Agriculture, Ecosystems and Environment*, 119, 11-21.
- Lavorel, S., Grigulis, K., McIntyre, S., Garden, D., Williams, N., Dorrough, J., Berman, S., Bonis, A., Quéfier, F., Thébault, A. (2008) Assessing functional diversity in the field – methodology matters! *Functional Ecology*, 22, 134-147.

Michael Linke is 42 years old and has been with RSPCA since June 2005. Michael has had extensive leadership and management experience and he is using this experience to forge a new future for RSPCA ACT.

1984 to 1999	Various roles Australian Taxation Office	<p>Michael spent 15 years with the ATO going from the ASO1 level to the EL2 level. Highlights include: Site Manager, Penrith Office of Large Business and International Taxation Site Manager, Canberra, Child Support Agency.</p> <p>Michael was heavily involved in the tax file number development as well as development of the Tax Pack and revised superannuation legislation.</p> <p>During his time with the ATO Michael also gained a Taxation Law Degree from the University of NSW and won a public service medal.</p>
1999 to 2005	Regional Manager Royal Blind Society (now known as Vision Australia)	<p>Michael was appointed to this position as a result of his leadership skills as well as volunteer work within the blindness and vision impaired community, both in Sydney and in Canberra.</p> <p>As regional manager Michael was responsible for the ACT, the Capital Region and most of south western NSW. Michael lead a team of 18 staff and 3,000 volunteers across three sites and nine low vision clinics.</p> <p>Michael was instrumental in renewing funding streams for the ACT branch of RBS as well as delivering new services to the region, including:</p> <ul style="list-style-type: none"> ◆ Revised low clinic services and models ◆ Audio Description Services, which won a Prime Ministers Partnership award with Canberra Theatre. <p>Michael has also been heavily involved in sporting choices and options for young vision impaired and blind people. He volunteers his time to assist sports development and also speaks to children at local schools.</p>
2005 to Present	CEO RSPCA ACT	<p>Since taking on the role of CEO at RSPCA Michael has forged a new culture, one of optimism for both people and animals at RSPCA. He has delivered new services, expanded funding opportunities and tripled the number of members in just 24 months.</p> <p>In this time Michael has also studied with the Humane Society of the United States and gained Certificates in Volunteering and Board Management and Governance of Animal Shelters.</p> <p>Michael also represents RSPCA ACT on the Queanbeyan Companion Animal Advisory Committee and is an RSPCA Australia Council Member.</p>

1980 to 2005	Sporting Achievements	<p>Michael has represented NSW, ACT, SA and Australia in cricket for the blind and vision impaired. Michael was the youngest player ever to be selected for the Australian side, aged 16.</p> <p>Michael has toured India, New Zealand, South Africa, and England as an Australian player with the highlight being scoring a century in the World Cup in India in 1996. Michael scored 124 from 86 balls.</p> <p>Michael won the Cricket Australia Festival of Cricket Award in 2006 for services to cricket for the blind and vision impaired.</p> <p>Michael won two gold medals and a silver medal at the 2005 World Championships of Ten Pin Bowling for bowlers with a vision impairment in Orlando Florida. Michael was also crowned world champion at this event.</p>
-----------------	--------------------------	--