

## Chapter 10: References

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### 10.0 CHAPTER 1

- Betz, W. 2001. *Matschie's Tree kangaroo (Marsupialia: Macropodidae, Dendrolagus matschiei) in Papua New Guinea: estimates of population density and landowner accounts of food plants and natural history*. Masters Thesis, University of Southampton, Southampton.
- Brook, B. W. 2000. Pessimistic and optimistic bias in population viability analysis. *Conservation Biology* **14**(2), 564-566.
- Brook, B. W., L. Lim, R. Harden and R. Frankham. 1997. Does population viability analysis software predict the behaviour of real populations? A retrospective study on the Lord Howe Island woodhen *Tricholimnas sylvestris* (Sclater). *Biological Conservation* **82**, 119-128.
- Brook, B. W., J. J. O'Grady, A. P. Chapman, M. A. Burgman, H. Resit Akçakaya and R. Frankham. 2000. Predictive accuracy of population viability analysis in conservation biology. *Nature* **404**, 385-387.
- Coulson, T., G. M. Mace, E. Hudson and H. Possingham. 2001. The use and abuse of population viability analysis. *Trends in Ecology and Evolution* **16**(5), 219-221.
- Flannery, T. F. 1995. *Mammals of New Guinea*. Reed Books, Australia.
- Flannery, T. F., R. Martin and A. Szalay. (Eds.) 1996. *Tree-kangaroos: A Curious Natural History*. Reed Books, Melbourne.
- Groves, C. P. 1982. The systematics of tree kangaroos (*Dendrolagus*; Marsupialia, Macropodidae). *Australian Mammalogy* **5**, 157-186.
- IUCN. 1994. *IUCN Red list categories*. IUCN, Gland.
- Lacy, R. C. 1993. VORTEX: a computer simulation model for population viability analysis. *Wildlife Research* **20**, 45-65.

- Lindenmayer, D. B., T. Clark, T. W. Lacy and V. C. Thomas. 1993. Population viability analysis as a tool in wildlife management: a review with reference to Australia. *Environmental Management* **17**(6), 745-758.
- Ludwig, D. 1999. Is it meaningful to estimate a probability of extinction? *Ecology* **80**(1), 298-310.
- Newell, G. R. 1998. Lumholtz's tree-kangaroo. *Nature Australia* **25**, 31-39.
- Newell, G. R. 1999a. Australia's tree-kangaroos: current issues in their conservation. *Biological Conservation* **87**, 1-12.
- Newell, G. R. 1999b. Home range and habitat use by Lumholtz's tree-kangaroo (*Dendrolagus lumholtzi*) within a rainforest fragment in north Queensland. *Wildlife Research* **26**, 129-145.
- Tisdell, C. and C. Wilson. 2003. *The public's knowledge of and support for conservation of Australia's tree-kangaroos*. Working Paper **74**, Working Papers on Economics, Ecology and the Environment, University of Queensland.

## 10.1 CHAPTER 2

- Aebischer, N. J., P. A. Robertson and R. E. Kenward. 1993. Compositional analysis of habitat use from animal radio-tracking data. *Ecology* **74**(5), 1313-1325.
- Anderson, D. J. 1982. The home range: a new nonparametric estimation technique. *Ecology* **63**, 103-112.
- Angelstam, P. and G. W. Arnold. 1993. Contrasting roles of remnants in old and newly impacted landscapes: lessons for ecosystem reconstruction. Pp.109-125. In: *Nature Conservation 3: reconstruction of fragmented ecosystems*. Eds: Saunders, D.A., R.J. Hobbs and P.R. Ehrlich. Surrey Beatty & Sons Pty Limited, Australia.

- Azorit, C., M. Analla, J. Hervas, R. Carrasco and J. Muñoz-Cobo. 2002a. Growth marks observation: preferential techniques and teeth for aging of Spanish Red Deer (*Cervus elaphus hispanicus*). *Anatomy, Histology and Embryology* **31**, 303-307.
- Azorit, C., J. Hervas, M. Analla, R. Carrasco and J. Muñoz-Cobo. 2002b. Histological thin-sections: a method for the microscopic study of teeth in Spanish Red Deer (*Cervus elaphus hispanicus*). *Anatomy, Histology and Embryology* **31**, 224-227.
- Barry, T. N. and B. J. Blaney. 1987. Secondary compounds of forages. Pp. 91-119. In: *The nutrition of herbivores*. Eds J. B. Hacker and J. A. Ternouth. Academic Press, Sydney.
- Bauchop, T. 1978. Digestion of leaves in vertebrate arboreal folivores. Pp. 193-204. In: *The Ecology of Arboreal Folivores*. Ed: G.G. Montgomery. Smithsonian Institution Press, Washington DC.
- Begon, M., J. L. Harper and C. R. Townsend. 1986. *Ecology: individuals, populations and communities*. Blackwell Scientific Publications, London.
- Betz, W. 2001. *Matschie's Tree kangaroo (Marsupialia: Macropodidae, Dendrolagus matschiei) in Papua New Guinea: estimates of population density and landowner accounts of food plants and natural history*. Masters Thesis, University of Southampton, Southampton.
- Betz, W., L. Dabek and K. Evei. Unpublished data a. Use of landowner interviews to document indigenous knowledge of natural history, cultural significance, and conservation status of Matschie's tree kangaroo (*Dendrolagus matschiei*) in Papua New Guinea.
- Betz, W., L. Dabek and K. Evei. Unpublished data b. Local population densities of Matschie's tree kangaroos (*Dendrolagus matschiei*) in Papua New Guinea and implications for conservation.

- Blanshard, W. H. 1990. Growth and development of the koala from birth to weaning. Pp.193-202. In: *Biology of the Koala*. Eds: Lee, A. K., K. A. Handasyde and G. D. Sanson. Surrey Beatty & Sons, Sydney.
- Bowers, M. A., S. F. Matter, J. L. Dooley Jr., J. L. Dauten and J. A. Simpkins. 1996. Controlled experiments of habitat fragmentation: a simple computer simulation and a test using small animals. *Oecologia* **108**, 182-191.
- Braithwaite, L. W. 1996. Sixth International Theriological Congress. Conservation of arboreal herbivores: the Australian scene. *Australian Journal of Ecology* **21**, 21-30.
- Braithwaite, L. W, M. L. Dubzinski and J. Turner. 1983. Studies on the arboreal marsupial fauna of eucalypt forests being harvested for woodpulp at Eden, N.S.W. II. Relationship between the fauna density, richness and diversity, and measured variables of the habitat. *Australian Wildlife Research* **10**, 231-247.
- Burt, W. H. 1943. Territoriality and home range concepts as applied to mammals. *Journal of Mammalogy* **24**, 346-352.
- Cates, R. G. and G. H. Orions. 1975. Successional status and the palatability of plants to generalized herbivores. *Ecology* **56**, 410-418.
- Catt, D. C. 1979. Age determination in Bennett's wallaby, *Macropus rufogriseus fruticus* (Marsupilaia), in South Canterbury, New Zealand. *Australian Wildlife Research* **6**, 13-18.
- Caughley, G. 1965. Horn rings and tooth eruption as criteria of age in the Himalayan thar, *Hemitagus jemlahicus*. *New Zealand Journal of Science* **8**, 333-351.
- Caughley, G. 1977. *Analysis of Vertebrate Populations*. John Wiley & Sons, London.

- Caughley, G., D. Grice, R. Baker and B. Brown. 1988. The edge of the range. *Journal of Animal Ecology* **57**, 771-785.
- Chiarello, A. G. 1998. Diet of the Atlantic forest maned sloth *Bradypus torquatus* (Xenarthra: Bradypodidae). *Journal of Zoology, London* **246**, 11-19.
- Clout, M. N. 1982. Determination of age in the brushtail possum using sections from decalcified molar teeth. *New Zealand Journal of Zoology* **9**, 405-408.
- Clutton-Brock, T. H. 1989. Mammalian mating systems. *Proceedings of the Royal Society of London, Series B* **236**, 339-372.
- Coley, P. D. 1983. Herbivory and defensive characteristics of tree species in a lowland tropical forest. *Ecological Monographs* **53**(2), 209-233.
- Collins, L. R. 1986. Bigfoot of the branches. *Zoogoer* **15**(4), 15-18.
- Conradt, L., T. H. Clutton-Brock and D. Thomson. 1999. Habitat segregation in ungulates: are males forced into suboptimal foraging habitats through indirect competition by females? *Oecologia* **119**, 367-377.
- Conradt, L., I. J. Gordon, T. H. Clutton-Brock, D. Thomson and F. E. Guinness. 2003. Could indirect competition hypothesis explain inter-sexual site segregation in red deer (*Cervus elaphus* L.)? *Journal of Zoology, London* **254**, 185-193.
- Cool, S. M., M. B. Bennett and K. Romaniuk. 1994. Age estimation of Pteropodid bats (Megachiroptera) from hard tissue parameters. *Wildlife Research* **21**, 353-364.
- Cork, S. J. 1996. Optimal digestive strategies for arboreal herbivorous mammals in contrasting forest types: Why koalas and colobines are different. *Australian Journal of Ecology* **21**, 10-20.

- Cork, S. J. and W. J. Foley. 1991. Digestive and metabolic strategies of arboreal folivores in relation to chemical defenses in temperate and tropical forests. Pp. 133-166. In: *Plant defenses against mammalian herbivory*. Eds. R. T. Palo and C. T. Robbins. CRC Press, Boca Raton.
- Cork, S. J. and W. J. Foley. 1997. Digestive and metabolic adaptations of arboreal marsupials for dealing with plant antinutrients and toxins. Pp. 133-166. In: *Marsupial Biology: recent research, new perspectives*. Eds: Saunders, N. and L. Hinds. University of New South Wales Press, Sydney.
- Cork, S. J. and G. D. Sanson. 1990. Digestion and nutrition in the koala: a review. Pp. 129-144. In: *Biology of the Koala*. Eds: Lee, A. K., K. A. Handasyde and G. D. Sanson. Surrey Beatty & Sons, Sydney.
- Cork, S. J., I. D. Hume and T. J. Dawson. 1983. Digestion and metabolism of a natural foliar diet (*Eucalyptus punctata*) by an arboreal marsupial, the koala (*Phascolarctos cinereus*). *Journal of Comparative Physiology B* **153**, 181-190.
- Crockett, C. M. and J. F. Eisenberg. 1987. Howlers: variations in group size and demographics. In B. B. Smuts, D. L. Cheney, R. W. Wrangham and T. T. Struthsaker (eds.), *Primate Societies*. The University of Chicago Press, Chicago.
- Croft, D. B. 1989. Social organization of the Macropodoidea. Pp. 505-525. In: *Kangaroos, wallabies and rat-kangaroos*. Eds: G. Grigg, P. Jarman and I Hume. Surrey Beatty & Sons, New South Wales.
- Dabek, L. 1991. *Mother-young relations and behavioral development of the young in captive Matschie's tree kangaroos (Dendrolagus matschiei)*. MSc. Thesis, University of Washington, Seattle.
- Dabek, L. 1994. *Reproductive biology and behavior of captive female Matschie's tree kangaroos, Dendrolagus matschiei*. Ph.D. Dissertation Thesis, University of Washington, Seattle.

- Dasilva, G. L. 1992. The western black-and-white colobus as a low-energy strategist – Activity budgets, energy expenditure and energy intake. *Journal of Animal Ecology* **61**, 79-91.
- Dawson, T. J. 1989. Diets of macropodoid marsupials: general patterns and environmental influences. Pp. 129-142. In. *Kangaroos, wallabies and rat-kangaroos*. Eds: G. Grigg, P. Jarman and I Hume. Surrey Beatty & Sons, New South Wales.
- Dawson, T. J. 1995. *Kangaroos: biology of the largest marsupials*. University of New South Wales Press, Sydney.
- Dellow, D. W. and I. D. Hume. 1982. Studies on the nutrition of Macropodine marsupials IV. Digestion in the stomach and the intestine of *Macropus giganteus*, *Thylogale thetis* and *Macropus eugenii*. *Australian Journal of Zoology* **30**, 767-777.
- Demment, M. W and P. J. van Soest. 1985. A nutritional explanation for body-size patterns of ruminant and nonruminant herbivores. *American Naturalist* **125**, 641-672.
- Dixon, K. R. and J. A. Chapman. 1980. Harmonic mean measure of animal activity areas. *Ecology* **61**(5), 1040-1044.
- Dooley, J. L. Jr. and M. A. Bowers. 1998. Demographic responses to habitat fragmentation: experimental tests at the landscape and patch scale. *Ecology* **79**(3), 969-980.
- Driessen, M. M. and G. J. Hocking. 1996. Age estimation of the Tasmanian pademelon, *Thylogale billardierii*, by molar eruption. *Australian Mammalogy* **20**, 107-110.
- Dubzinski, M. L., A. E. Newsome, A. E. Merchant and B. L. Bolton. 1977. Comparing the two usual methods for aging Macropodidae on tooth-classes in the agile wallaby. *Australian Wildlife Research* **4**, 219-221.

- Ealey, E. H. M. 1967. Ecology of the euro, *Macropus robustus* (Gould), in north-western Australia. IV. Age and growth. *Wildlife Research* **12**, 67-80.
- Eberhard, I. H. 1972. Ecology of the Koala, *Phascolarctos cinereus* (Goldfuss), on Flinders Chase, Kangaroo Island. PhD Thesis, University of Adelaide, Adelaide.
- Eisenberg, J. F. 1978. The evolution of arboreal folivores in the Class Mammalia. Pp. 135-152. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Ellis, W. A. H., A. Melzer, F. N. Carrick and M. Hasegawa. 2002. Tree use, diet and home range of the koala (*Phascolarctos cinereus*) at Blair Athol, central Queensland. *Wildlife Research* **29**, 303-311.
- Fancy, S. G. 1980. Preparation of mammalian teeth for age determination by cementum layers: a review. *Wildlife Society Bulletin* **8**, 242-248.
- Fischer, K. E., and S. N. Austad. 1992. A preliminary report on the ecology of arboreal marsupials on Mount Stolle, Sandaun Province. *New Guinea Biological Society Meeting*, Manokwari, Irian Jaya, Indonesia.
- Fisher, D. O. 2000. Effects of vegetation structure, food and shelter on the home range and habitat use of an endangered wallaby. *Journal of Applied Ecology* **37**, 660-671.
- Flannery, T. F. 1989. Phylogeny of the macropodoidea: a study in convergence. Pp. 1-46. In: *Kangaroos, Wallabies and Rat-kangaroos*. Eds. G. Grigg, P. Jarman and I. Hume. Surrey Beatty & Sons Pty Limited, New South Wales, Australia.
- Flannery, T. F., R. Martin and A. Szalay. (Eds.) 1996. *Tree-kangaroos: A Curious Natural History*. Reed Books, Melbourne.



- Flannery, T. F. and L. Seri. 1990. *Dendrolagus scottae* n.sp. (Marsupialia: Macropodidae): a new tree-kangaroo from Papua New Guinea. *Records of the Australian Museum* **42**, 237-245.
- Foley, W. J. and S. J. Cork. 1992. Use of fibrous diets by small herbivores: how far can the rules be 'bent'? *TREE* **7**(5), 159-162.
- Foley, W. J. and I. D. Hume. 1987. Nitrogen requirements and urea metabolism in two arboreal marsupials, the greater glider (*Petauroides volans*) and the brushtail possum (*Trichosurus vulpecula*) fed *Eucalyptus* foliage. *Physiological Zoology* **60**, 241-250.
- Ford, R. G. 1983. Home range in a patchy environment: optimal foraging predictions. *American Zoologist* **23**, 315-326.
- Freudenberger, D. O. 1992. Gut capacity, functional allocation of gut volume and size distributions of digesta particles in two Macropodid marsupials (*Macropus robustus robustus* and *M. r. erubescens*) and the feral goat (*Capra hircus*). *Australian Journal of Zoology* **40**, 551-561.
- Freudenberger, D. O., I. R. Wallis and I. D. Hume. 1989. Digestive adaptations of kangaroos, wallabies and rat-kangaroos. Pp. 179-187. In: *Kangaroos, Wallabies and Rat-kangaroos*. Eds. G. Grigg, P. Jarman and I. Hume. Surrey Beatty & Sons Pty Limited, New South Wales, Australia.
- Gall, B. C. 1980. Aspects of the ecology of the koala, *Phascolarctos cinereus* (Goldfuss), in Tucki Tucki Nature Reserve, New South Wales. *Australian Wildlife Research* **7**, 167-176.
- Gallerani Lawson, E. J. and A. R. Rodgers. 1997. Differences in home-range size computed in commonly used software programs. *Wildlife Society Bulletin* **25**(3), 721-729.
- Ganzhorn, J. K. 1995. Low-level forest disturbance effects on primary production, leaf chemistry and lemur populations. *Ecology* **76**, 2084-2096.

- Gasaway, W. C., D. B. Harkness and R. A. Rausch. 1978. Accuracy of moose age determinations from incisor cementum layers. *Journal of Wildlife Management* **42**(3), 558-563.
- Glander, K. E. 1977. Poison in a monkey's Garden of Eden. *Natural History* **86**, 35-41.
- Glander, K. E. 1978. Howling monkey feeding behavior and plant secondary compounds: a study of strategies. Pp. 561-574. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Gordon, G. 1991. Estimation of the age of the koala, *Phascolarctos cinereus* (Marsupialia: Phascolarctidae) from tooth wear and growth. *Australian Mammalogy* **14**, 5-12
- Grand, T. I. 1978. Adaptations of tissue and limb segments to facilitate moving and feeding in arboreal folivores. Pp. 231-241. In: *The Ecology of Arboreal Folivores*. Ed: Montgomery, G. G. Smithsonian Institution Press, Washington, DC.
- Groves, C. P. 1982. The systematics of tree kangaroos (*Dendrolagus*; Marsupialia, Macropodidae). *Australian Mammalogy* **5**, 157-186.
- Hanski, I. 1994. Patch-occupancy dynamics in fragmented landscapes. *Trends in Ecology and Evolution* **9**(4), 131-135.
- Harestad, A. S and F. L. Bunnell. 1979. Home range and body weight - a reevaluation. *Ecology* **60**, 389-402.
- Harris, S., W. J. Cresswell, P. G. Forde, W. J. Trehwella, T. Woollard and S. Wray. 1990. Home-range analysis using radio-tracking data - a review of problems and techniques particularly as applied to the study of mammals. *Mammalian Review* **20**, 97-123.
- Heath, A., K. S. Benner and J. B. Watson-Jones. 1990. Husbandry and management of Matschie's tree kangaroo: a case study. *Proceedings of*

*the AAZPA Northeastern Regional Conference, Washington D.C., 518-527.*

- Hindell, M. A. 1984. *The feeding ecology of the koala, Phascolarctos cinereus in a mixed Eucalyptus forest.* MSc. Thesis, Monash University, Melbourne.
- Hindell, M. A. and A. K. Lee. 1987. Habitat use and tree preferences of Koalas in a mixed eucalypt forest. *Australian Wildlife Research* **14**, 349-360.
- Hindell, M. A. and A. K. Lee. 1988. Tree use by individual koalas in a natural forest. *Australian Wildlife Research* **15**, 1-7.
- Hindell, M. A. and A. K. Lee. 1990. Tree preferences of the koala. Pp. 117-121. In: *Biology of the Koala*. Eds: A. K. Lee, K. A. Handasyde and G. D. Sanson. Surrey Beatty and Sons, Sydney.
- Hladik, C. M. 1978. Adaptive strategies of primates in relation to leaf-eating. Pp. 373-395. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Horsup, A. 1994. Home range of the allied rock-wallaby, *Petrogale assimilis*. *Wildlife Research* **21**, 65-84.
- How, R. A. 1978. Population strategies of four species of Australian "possums". Pp. 305-313. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Hughes, R. D. 1965. On the age composition of a small sample of individuals from a population of the banded hare wallaby, *Lagostrophus fasciatus* (Peron & Lesueur). *Australian Journal of Zoology* **13**, 75-95.
- Hulbert, I. A. R., G. R. Iason, D. A. Elston and P. A. Racey. 1996. Home range sizes in a stratified upland landscape of two lagomorphs with different feeding strategies. *Journal of Applied Ecology* **33**, 1479-1488.
- Hume, I. D. 1982. *Digestive physiology and nutrition of marsupials*. Cambridge University Press, Cambridge.

- Hume, I. D. 1984. Principal features of digestion in kangaroos. *Proceedings of the Nutritional Society of Australia* **9**, 76-81.
- Hume, I. D. 1989. Optimal digestive strategies in mammalian herbivores. *Physiological Zoology* **62**(6), 1145-1163.
- Hume, I. D. 1999. *Marsupial Nutrition*. Cambridge University Press, Cambridge.
- Hutchins, M., G. Mann Smith, D. C. Mead, S. Elbin and J. Steenberg. 1991. Social behavior of Matschie's tree kangaroos (*Dendrolagus matschiei*) and its implications for captive management. *Zoo Biology* **10**,147-164.
- Inns, R. W. 1982. Age determination in the Kangaroo Island wallaby, *Macropus eugenii* (Desmarest). *Australian Wildlife Research* **9**, 213-220.
- IUCN. 2004. *2004 IUCN Red list of threatened species*. [www.redlist.org](http://www.redlist.org).
- Janzen, D. H. 1978. Complications in interpreting the chemical defenses of trees against tropical arboreal plant-eating vertebrates. Pp. 73-84. In: *The Ecology of Arboreal Folivores*. Ed: Montgomery, G. G. Smithsonian Institution Press, Washington, DC.
- Johnson, K. A. 1980a. Spatial and temporal use of habitat by the red-necked pademelon, *Thylogale thetis* (Marsupialia: Macropodidae). *Australian Wildlife Research* **7**, 157-166.
- Johnson, D. H. 1980b. The comparison of usage and availability measurements for evaluating resource preference. *Ecology* **61**(1), 65-71.
- Johnson, C. N. 1987. Macropod studies at Wallaby Creek. IV. Home range and movements of the red-necked wallaby. *Australian Wildlife Research* **14**, 125-132.
- Johnson, P. M. 1995. Lumholtz's tree-kangaroo (*Dendrolagus lumholtzi*). Pp. 309-310. In: *The Mammals of Australia*. Ed: R. Strahan. Australian Museum and Reed Books, Australia.

- Johnson, P. M. and S. Delean. 2003. Reproduction of the Lumholtz tree-kangaroo, *Dendrolagus lumholtzi* (Marsupialia: Macropodidae), in captivity, with age estimation and development of the pouch young. *Wildlife Research* **30**, 505-512.
- Johnson, P. M. and K. Vernes. 1994. Reproduction in the red-legged pademelon, *Thylogale stigmatica* Gould (Marsupialia: Macropodidae), and age estimation and development of pouch young. *Wildlife Research* **21**, 553-558.
- Johnson, C. N., P. J. Jarman and C. J. Southwell. 1987. Macropod studies at Wallaby Creek V. Patterns of defaecation by eastern grey kangaroos and red-necked wallabies. *Australian Wildlife Research* **14**, 133-138.
- Johnson, P. M., M. Hakes and S. Sullivan. 2002. Predation by Lumholtz's tree kangaroos, *Dendrolagus lumholtzi* in captivity. *Thylacinus* **26**(3), 6-7.
- Kanowski, J. J. 1999. *Ecological determinants of the distribution and abundance of the folivorous marsupials endemic to the rainforests of the Atherton Uplands, north Queensland*. Ph.D. Thesis, James Cook University, Townsville.
- Kanowski, J. J., L. Felderhof, G. Newell, C. Schmidt, B. Stirn, R. Wilson and J. W. Winter. 2001a. Community survey of the distribution of Lumholtz's tree-kangaroo on the Atherton Tablelands, north-east Queensland. *Pacific Conservation Biology* **7**(2), 79-86.
- Kanowski, J., M.S. Hopkins, H. Marsh and J. W. Winter. 2001b. Ecological correlates of folivore abundance in north Queensland rainforests. *Wildlife Research* **28**, 1-28.
- Kerle, J. A. 1998. The population dynamics of a tropical possum, *Trichosurus vulpecula arnhemensis* Collett. *Wildlife Research* **25**, 171-181.
- Kingsmill, E. 1962. An investigation of criteria for estimating age in the marsupials *Trichosurus vulpecula* Kerr and *Perameles nasuta* Geoffroy. *Australian Journal of Zoology* **10**, 597-616.

- Kirkpatrick, T.H. 1964. Molar progression and macropod age. *Queensland Journal of Agricultural and Animal Science* **21**, 163-165.
- Kirkpatrick, T. H. 1965. Studies of Macropodidae in Queensland. 2. Age estimation in the grey kangaroo, the red kangaroo, the eastern wallaroo and the red-necked wallaby, with notes on dental abnormalities. *Queensland Journal of Agricultural and Animal Science* **22**, 301-317.
- Klevezal, G. A. and S. E. Kleinenberg. 1967. *Age determination of mammals from annual layers in teeth and bones*. Moscow. Translated from Russian by J. Salkind, Reprinted by IPST Press, Jerusalem for The US Department of the Interior and the National Science Foundation, Washington DC. Pp. 1-128.
- Komers, P. E. and P. N. M. Brotherton. 1997. Female space use is the best predictor of monogamy in mammals. *Proceedings of the Royal Society of London, Series B* **264**, 1261-1270.
- Kozakiewicz, M. 1995. Resource tracking in space and time. Pp.136-148. In: *Mosaic Landscapes and Ecological Processes*. Eds: Hansson, L., L. Fahrig and G. Merriam. Chapman & Hall, London.
- Krebs, C. J. 1985. *Ecology: the experimental analysis of distribution and abundance*. Harper & Row, New York.
- Krockenberger, A. K. 1996. Composition of the milk of the koala, *Phascolarctos cinereus*, an arboreal folivore. *Physiological Zoology* **69**(3), 701-718.
- Krockenberger, A. K., I. D. Hume and S. J. Cork. 1998. Production of milk and nutrition of the dependent young of free-ranging koalas (*Phascolarctos cinereus*). *Physiological Zoology* **71**(1), 45-56.
- Krockenberger, A. 2003. Meeting the energy demands of the reproduction in female koalas, *Phascolarctos cinereus*: evidence for energetic compensation. *Journal of Comparative Physiology B* **173**, 531-540.

- Lacy, R. C. 1993. VORTEX: a computer simulation model for population viability analysis. *Wildlife Research* **20**, 45-65.
- Langer, P. 1980. Anatomy of the stomach in three species of Potoroinae (Marsupialia: Macropodidae). *Australian Journal of Zoology* **28**, 19-31.
- Langer, P., Dellow, D. W. and Hume, I. D. 1980. Stomach structure and function in three species of Macropodine Marsupials. *Australian Journal of Zoology* **28**, 1-18.
- Lanyon, J. M. and G. D. Sanson. 1986a. Koala (*Phascolarctos cinereus*) dentition and nutrition. I. Morphology and occlusion of cheekteeth. *Journal of Zoology, London* **209**, 155-168.
- Lanyon, J. M. and G. D. Sanson. 1986b. Koala (*Phascolarctos cinereus*) dentition and nutrition. II. Implications of tooth wear in nutrition. *Journal of Zoology, London* **209**, 169-181.
- Laurance, S. G. 1996. *Utilisation of linear rainforest remnants by arboreal marsupials in north Queensland*. M.Sc. Thesis, University of New England, Armidale, NSW.
- Laurance, W. F. 1989. *Ecological impacts of tropical forest fragmentation on non-flying mammals and their habitats*. Ph.D. Thesis. Zoology Department, University of California, Berkeley, CA.
- Laurance, W. F. 1990a. Comparative responses of five arboreal marsupials to tropical forest fragmentation. *Journal of Mammalogy* **71**(4), 641-653.
- Laurance, W. F. 1990b. Effects of weather on marsupial folivore activity in a north Queensland upland tropical rainforest. *Australian Mammalogy* **13**, 41-47.
- Laurance, W. F., and Laurance, S. G. 1996. Responses of five arboreal marsupials to recent selective logging in tropical Australia. *Biotropica* **28**, 310-322.

- Lawler, I. R., W. J. Foley, B. M. Eschler, D. M. Pass and K. Handasyde. 1998. Intraspecific variation in *Eucalyptus* secondary metabolites determines food intake by folivorous marsupials. *Oecologia* **116**, 160-169.
- Laws, R. M. 1952. A new method for age determination for mammals. *Nature* **169**, 972-973.
- Lentle, R. G., K. J. Stafford, M. A. Potter, B. P. Springett and S. Haslett. 1998a. Factors affecting the volume and macrostructure of gastrointestinal compartments in the tammar wallaby (*Macropus eugenii* Desmarest). *Australian Journal of Zoology* **46**, 529-545.
- Lentle, R.G., K. J. Stafford, M. A. Potter, B. P. Springett and S. Haslett. 1998b. Incisor and molar wear in the tammar wallaby (*Macropus eugenii* Desmarest). *Australian Journal of Zoology* **46**, 509-527.
- Lentle, R. G., I. D. Hume, K. J. Stafford, M. Kennedy, B. P. Springett and S. Haslett. 2003a. Observations on fresh forage intake, ingesta particle size and nutrient digestibility in four species of macropod. *Australian Journal of Zoology* **51**, 627-636.
- Lentle, R.G., I. D. Hume, K. J. Stafford, M. Kennedy, S. Haslett and B. P. Springett. 2003b. Comparison of tooth morphology and wear patterns in four species of wallabies. *Australian Journal of Zoology* **51**, 61-79.
- Lentle, R. G., I. D. Hume, K. J. Stafford, M. Kennedy, S. Haslett and B. P. Springett. 2003c. Molar progression and tooth wear in tammar (*Macropus eugenii*) and parma (*Macropus parma*) wallabies. *Australian Journal of Zoology* **51**, 137-151.
- Lindstedt, S. L., B. J. Miller and S. W. Buskirk. 1986. Home range, time and body size in mammals. *Ecology* **67**, 413-418.
- Logan, M. and G. D. Sanson. 2002. The effect of tooth wear on the feeding behaviour of free-ranging koalas (*Phascolarctos cinereus*, Goldfuss). *Journal of Zoology, London* **256**, 63-69.



- Lunney, D. 1987. Effects of logging, fire and drought on possums and gliders in the coastal forests near Bega, NSW. *Australian Wildlife Research* **14**, 263-274.
- Manly, B. F. J., L. L. McDonald, D. L. Thomas, T. L. McDonald and W. P. Erickson. 2002. *Resource Selection by animals. 2<sup>nd</sup> Edition*. Kluwer Academic Publishers, The Netherlands.
- Martin, R. W. 1981. Age-specific fertility in three populations of the koala, *Phascolarctus cinereus* Goldfuss, in Victoria. *Australian Wildlife Research* **8**, 278-283.
- Martin, R. W. 1985. Overbrowsing, and decline of a population of the koala, *Phascolarctos cinerues*, in Victoria. III. Population dynamics. *Australian Wildlife Research* **12**, 377-385.
- Martin, R. W. 1992. *An ecological study of Bennett's tree-kangaroo (Dendrolagus bennettianus)*. Report number 116. World Wide Fund for Nature Publication, Sydney, Australia.
- Martin, R. W. 1996. Tcharibeena: field studies of Bennett's tree-kangaroo. Pp. 36-65. In: *Tree-kangaroos: A Curious Natural History*. Eds: Flannery, T. F., R. Martin and A. Szalay. Reed Books, Melbourne.
- Martin, R. W., K. Handasyde and S. Simpson. 1999. *The Koala: natural history, conservation and management*. Australian Natural History Series, University of New South Wales Press, Sydney.
- Martin, R. W. and P. M. Johnson. 1995. Bennett's tree-kangaroo (*Dendrolagus bennettianus*). Pp. 307-308. In: *The Mammals of Australia*. Ed: R. Strahan. Australian Museum and Reed Books, Australia.
- Maynes, G. M. 1972. Age estimation in the parma wallaby, *Macropus parma* Waterhouse. *Australian Journal of Zoology* **20**, 107-118.

- McCullough, D. R. and P. Beier. 1986. Upper vs. lower molars for cementum annuli age determination of deer. *Journal of Wildlife Management* **50**(4), 705-706.
- McNab, B. K. 1963. Bioenergetics and the determination of home range size. *American Naturalist* **97**, 133-140.
- McNab, B. K. 1978. Energetics of arboreal folivores: physiological problems and ecological consequences of feeding on an ubiquitous food supply. Pp. 153-162. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- McNab, B. K. 1988. Energy conservation in a tree-kangaroo (*Dendrolagus matschiei*) and the red panda (*Ailurus fulgens*). *Physiological Zoology* **61**(3), 280-292.
- Melzer, A. 1995. *Aspects of the ecology of the Koala (Phascolarctus cinereus, Goldfuss 1917) in sub-humid woodland of central Queensland*. Ph.D. Thesis, University of Queensland.
- Milton, K. 1978. Behavioral adaptations to leaf-eating by the Mantled Howler monkey (*Alouatta palliata*). Pp. 535-549. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Milton, K. and M. L. May. 1976. Body weight, diet and home range area in primates. *Nature* **259**, 459-462.
- Mitchell, P. 1990. The home ranges and social activity of koalas - quantitative analysis. Pp. 171-187. In: *Biology of the Koala*. Eds: A. K. Lee, K. A. Handasyde and G. D. Sanson. Surrey Beatty and Sons, Sydney.
- Montgomery, G. G. and M. E. Sunquist. 1978. Habitat selection and use by two-toed and three-toed sloths. Pp. 329-359. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.

- Moore, B. D. and W. J. Foley. 2000. A review of feeding and diet selection in koalas (*Phascolarctos cinereus*). *Australian Journal of Zoology* **48**, 317-333.
- Munks, S. A., R. Corkrey and W. J. Foley. 1996. Characteristics of arboreal marsupial habitat in the semi-arid woodlands of north Queensland. *Wildlife Research* **23**, 185-195.
- Murphy, C. R. and J. R. Smith. 1970. Age determination of pouch young and juvenile Kangaroo island wallabies. *Transcripts of the Royal Society of Science Australia* **94**, 15-20.
- Newell, G. R. 1998. Lumholtz's tree-kangaroo. *Nature Australia* **25**, 31-39.
- Newell, G. R. 1999a. Australia's tree-kangaroos: current issues in their conservation. *Biological Conservation* **87**, 1-12.
- Newell, G. R. 1999b. Home range and habitat use by Lumholtz's tree-kangaroo (*Dendrolagus lumholtzi*) within a rainforest fragment in north Queensland. *Wildlife Research* **26**, 129-145.
- Newell, G. R. 1999c. Responses of Lumholtz's tree-kangaroo (*Dendrolagus lumholtzi*) to loss of habitat within a tropical rainforest fragment. *Biological Conservation* **91**, 181-189.
- Ohwaki, K., R. E. Hungate, L. Lotter, R. R. Hofmann and G. Maloiy. 1974. Stomach fermentation in East African colobus monkeys in their natural state. *Applied Microbiology* **27**, 713-723.
- Olds, T. J. and L. R. Collins. 1973. Breeding Matschie's tree kangaroo, *Dendrolagus matschiei*, in captivity. *International Zoo Yearbook* **13**, 123-125.
- Ostfield, R. S. and C. D. Canham. 1995. Density-dependent processes in meadow voles: an experimental approach. *Ecology* **76**, 521-532.

- Owen, R. 1852. Notes on the anatomy of the tree-kangaroo (*Dendrolagus inustus*, Gould). *Proceedings of the Zoological Society of London* **1852**, 103-107.
- Pahl, L. I. 1987. Feeding behaviour and diet of the common ringtail possum, *Pseudocheirus peregrinus*, in *Eucalyptus* woodlands and *Leptospermum* thickets in southern Victoria. *Australian Journal of Zoology* **35**, 487-506.
- Pahl, L. I., Winter, J. W. and Heinsohn, G. 1988. Variation in responses of arboreal folivores to fragmentation of tropical rainforest in North Eastern Australia. *Biological Conservation* **46**, 71-82.
- Palacios, E. and A. Rodriguez. 2001. Ranging pattern and use of space in a group of Red Howler monkeys (*Alouatta seniculus*) in a southeastern Colombian rainforest. *American Journal of Primatology* **55**, 233-251.
- Parra, R. 1978. Comparison of foregut and hindgut fermentation in herbivores. Pp. 205-229. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Pekelharing, C. J. 1970. Cementum deposition as an age indicator in the brush-tailed possum, *Trichosurus vulpecula* Kerr (Marsupialia). *Australian Journal of Zoology* **18**, 71-76.
- Poole, W. E., S. M. Carpenter and J. T. Wood. 1982. Growth of Grey kangaroos and the reliability of age determination from body measurements II. The Western Grey kangaroos, *Macropus fuliginosus*, *M. f. melanops* and *M. f. ocydromus*. *Australian Wildlife Research* **9**, 203-212.
- Poole, W. E, J. C. Merchant, S. M. Carpenter and J. H. Calaby. 1985. Reproduction, growth and age determination in the Yellow-footed Rock-wallaby *Petrogale xanthopus* Gray, in captivity. *Australian Wildlife Research* **12**, 127-136.
- Pople, A. 1989. Habitat associations of Australian Macropodoidea. Pp.755-766. In: *Kangaroos, Wallabies and Rat-kangaroos. Volume 2*. Eds:

- Grigg, G., P. Jarman and I. Hume. Surrey Beatty & Sons Pty Limited, Australia.
- Procter-Gray, E. 1984. Dietary ecology of the coppery brushtail possum, green ringtail possum and Lumholtz's tree-kangaroo in north Queensland. Pp. 129-135. In: *Possums and Gliders*. Eds: A. P. Smith and I. D. Hume. Australian Mammal Society, Sydney.
- Procter-Gray, E. 1985. *The behaviour and ecology of Lumholtz's tree-kangaroo, Dendrolagus lumholtzi (Marsupialia: Macropodidae)*. Ph.D. Thesis, Harvard University.
- Procter-Gray, E. 1990. Kangaroos up a tree. *Natural History* **90**, 61-66.
- Procter-Gray, E., and U. Ganslosser. 1986. The individual behaviours of Lumholtz's tree kangaroo: repertoire and taxonomic implications. *Journal of Mammalogy* **67**, 343-352.
- Richardson, K. C. 1980. The structure and radiographic anatomy of the alimentary tract of the Tammar wallaby, *Macropus eugenii* (Marsupialia) I. The stomach. *Australian Journal of Zoology* **28**, 367 -379.
- Ride, W. D. L. 1978. An historical introduction to studies on the evolution and phylogeny of the Macropodidae. *Australian Mammalogy* **2**, 1-14.
- Robinette, W. L., D. A. Jones, D. A. Rogers and J. S. Gashwiler. 1957. Notes on tooth development and wear for Rocky Mountain mule deer. *Journal of Wildlife Management* **21**, 134-153.
- Robbins, C. T., S. Mole, A. E. Hagerman and T. A. Hanley. 1987. Role of tannins in defending plants against ruminants: reduction in dry matter digestion? *Ecology* **68**, 1606-1615.
- Russell, E. M. 1982. Patterns of parental care and parental investment in marsupials. *Biological Review* **5**, 423-486.

- Sadler, R. M. F. S. 1963. Age estimation by measurements of joeys of the euro *Macropus robustus* Gould in Western Australia. *Australian Journal of Zoology* **11**, 241-249.
- Sanson, G. D. 1978. The evolution and significance of mastication in the Macropodidae. *Australian Mammalogy* **2**, 23-28.
- Sanson, G. D. 1980. The morphology and occlusion of the molariform cheek teeth in some Macropodinae (Marsupialia: Macropodidae). *Australian Journal of Zoology* **28**, 341-365.
- Sanson, G. D. 1989. Morphological adaptations of teeth to diets and feeding in the Macropodoidea. Pp: 151-168. In: *Kangaroos, Wallabies and Rat-kangaroos. Volume 2*. Eds: Grigg, G., P. Jarman and I. Hume. Surrey Beatty & Sons Pty Limited, Australia.
- Sattler, P. and R. Williams. 1999. *The conservation status of Queensland's bioregional ecosystems*. Queensland Government Environmental Protection Agency.
- Scholtz, B. 1980. *The behaviour of the brush-tailed rock wallaby, (Petrogale penicillata) in south-east Queensland*. Unpublished report, Queensland Institute of Technology, Brisbane.
- Sharman, G. B., H. J. Frith and J. H. Calaby. 1964. Growth of the pouch young, tooth eruption and age determination in the red kangaroo, *Megaleia rufa*. *Wildlife Research* **9**, 20-49.
- Shield, J. W. and P. Woolley. 1961. Age estimation by measurement of pouch young of the quokka (*Setonix brachyurus*). *Australian Journal of Zoology* **9**, 14-23.
- Short, J. C. 1980. *Ecology of the brush-tailed rock wallaby, Petrogale penicillata*. MSc Thesis, University of Sydney, Sydney.

- Smith, M. 1979. Behaviour of the koala, *Phascolarctos cinereus* Goldfuss, in captivity I. Non-social behaviour. *Australian Wildlife Research* **6**, 117-129.
- Smith, R. 1988. Tree kangaroos: vulnerable in the wild, threatened in captivity. In: *Proceedings of the fifth World Conference on breeding endangered species in captivity*. Eds. B. L. Dresser, R. W. Reese and E. J. Maruska. Cincinnati, OH, Cincinnati Zoo.
- Stamps, J. A., M. Buechner and V. V. Krishnan. 1987. The effects of habitat geometry on territorial defense costs: intruder pressure in bounded habitats. *American Zoologist* **27**, 307-325.
- Stevens, C. E. and I. D. Hume. 1995. *Comparative physiology of the vertebrate digestive system*. Second Edition. Cambridge University Press, Cambridge.
- Stickel, L. F. 1954. A comparison of certain methods of measuring ranges of small mammals. *Journal of Mammalogy* **35**, 1-15.
- Thomas, D. C. 1977. Metachromatic staining of dental cementum for mammalian age determination. *Journal of Wildlife Management* **41**, 207-210.
- Thompson, J. A. and W. H. Owen. 1964. A field study of the Australian ringtail possum *Pseudocheirus peregrinus* (Marsupialia: Phalangeridae). *Ecological Monographs* **34**, 27-52.
- Thornton, R. F., P. R. Bird, M. Somers and R. J. Moir. 1970. Urea excretion in ruminants. III. The role of the hind-gut (caecum and colon). *Australian Journal of Agricultural Research* **21**, 345-354.
- Tracey, G. J. 1982. *The vegetation of the humid tropical region of north Queensland*. CSIRO, Melbourne.
- Tree Kangaroo and Mammal Group. 2000. *Community survey of the distribution of Lumholtz's Tree-kangaroo*. Natural Heritage Trust.

- Troy, S. and G. Coulson. 1993. Home range of the swamp wallaby, *Wallabia bicolor*. *Wildlife Research* **20**, 571-577.
- Tufto, J., R. Andersen and J. Linnell. 1996. Habitat use and ecological correlates of home range size in a small cervid: the roe deer. *Journal of Animal Ecology* **65**, 715-724.
- Umapathy, G. and A. Kumar. 2000. The occurrence of arboreal mammals in the rain forest fragments in the Anamalai Hills, south India. *Biological Conservation* **92**, 311-319.
- Van Horne, B. 1983. Density as a misleading indicator of habitat quality. *Journal of Wildlife Management* **47**, 893-891.
- Van Soest, P. J. 1982. *Nutritional ecology of the ruminant*. O and B Books, Corvallis, US.
- Vernes, K., H. Marsh and J. Winter. 1995. Home range and movement patterns of the red-legged pademelon (*Thylogale stigmatica*) in a fragmented tropical rainforest. *Wildlife Research* **22**, 699-708.
- Vincent, J. P., E. Bideau, A. J. M. Hewison and J. M. Angibault. 1995. The influence of increasing density on body weight, kid production, home range and winter grouping in roe deer (*Capreolus capreolus*). *Journal of Zoology, London* **236**, 371-382.
- Waterman, P. G., J. A. Ross, E. L. Bennett and A. G. Davies. 1988. A comparison of the floristics and leaf chemistry of the tree flora in two Malaysian rainforest and the influences of leaf chemistry on populations of colobine monkeys in the Old World. *Biological Journal of the Linnean Society* **34**, 1-32.
- White, N. A. 1999. Ecology of the koala (*Phascolarctos cinereus*) in rural south-east Queensland, Australia. *Wildlife Research* **26**, 731-744.
- White, N. A. and N. D. Kunst. 1990. Aspects of the ecology of the koala in southeastern Queensland. Pp: 109-116. In: *Biology of the Koala*. Eds:



A. K. Lee, K. A. Handasyde and G. D. Sanson. Surrey Beatty & Sons, Sydney.

Winter, J. W. 1980. Tooth wear as an age index in a population of the brush-tailed possum, *Trichosurus vulpecula* (Kerr). *Australian Wildlife Research* **7**, 359-363.

Winter, J. W. 1991. Northeastern Queensland: some conservation issues highlighted by forest mammals. Pp. 113-118. In: *Conservation of Australia's Forest Fauna*. Ed: D. Lunney. Royal Zoological Society of NSW, Mosman.

Winter, J. W. 1997. Responses of non-volant mammals to late Quaternary climatic changes in the wet tropics region of North-eastern Australia. *Wildlife Research* **24**, 493-511.

## 10.2 CHAPTER 3

Frawley, K. J. 1983. *A history of forest and land management in Queensland, with particular reference to the north Queensland rainforest*. Report to the Rainforest Conservation Society of Queensland, Brisbane.

Graham, A. W., M. S. Hopkins and J. Maggs. 1995. *Succession and disturbance in the remnant rainforest type Complex Notophyll Vine forest on basalt (Type 5b). I. Vegetation map and explanatory notes*. Report to Wet Tropics Management Authority. CSIRO, Atherton.

Laurance, W. F. 1991. Ecological correlates of extinction proneness in Australian tropical rain forest mammals. *Conservation Biology* **5**, 79-89.

Martin, R. W. 1992. *An ecological study of Bennett's tree-kangaroo (Dendrolagus bennettianus)*. Report number 116. World Wide Fund for Nature Publication, Sydney, Australia.

Newell, G. R. 1998. Lumholtz's tree-kangaroo. *Nature Australia* **25**, 31-39.

Newell, G. R. 1999a. Australia's tree-kangaroos: current issues in their conservation. *Biological Conservation* **87**, 1-12.

- Newell, G. R. 1999b. Home range and habitat use by Lumholtz's tree-kangaroo (*Dendrolagus lumholtzi*) within a rainforest fragment in north Queensland. *Wildlife Research* **26**, 129-145.
- Procter-Gray, E. 1985. *The behaviour and ecology of Lumholtz's tree-kangaroo, Dendrolagus lumholtzi (Marsupialia: Macropodidae)*. Ph.D. Thesis, Harvard University.
- Sattler, P. and R. Williams. 1999. *The conservation status of Queensland's bioregional ecosystems*. Queensland Government Environmental Protection Agency.
- Tracey, G. J. 1982. *The vegetation of the humid tropical region of north Queensland*. CSIRO, Melbourne.
- Winter, J. W., F. C. Bell, L. I. Pahl and R. G. Atherton. 1987. Rainforest clearfelling in Northeastern Australia. *Proceedings of the Royal Society of Queensland* **98**, 41-57.
- 10.3 CHAPTER 4**
- Begon, M., J. L. Harper and C. R. Townsend. 1986. *Ecology: individuals, populations and communities*. Blackwell Scientific Publications, London.
- Betz, W. 2001. *Matschie's Tree kangaroo (Marsupialia: Macropodidae, Dendrolagus matschiei) in Papua New Guinea: estimates of population density and landowner accounts of food plants and natural history*. Masters Thesis, University of Southampton, Southampton.
- Betz, W., L. Dabek and K. Evei. Unpublished data a. Local population densities of Matschie's tree kangaroos (*Dendrolagus matschiei*) in Papua New Guinea and implications for conservation.
- Betz, W., L. Dabek and K. Evei. Unpublished data b. Use of landowner interviews to document indigenous knowledge of natural history, cultural significance, and conservation status of Matschie's tree-kangaroo (*Dendrolagus matschiei*) in Papua New Guinea.

- Bravo, S. P. and A. Sallenave. 2003. Foraging behavior and activity patterns of *Alouatta caraya* in the northeastern Argentinean flooded forest. *International Journal of Primatology* **24**(4), 825-846.
- Chapman, C. A., A. Gautier-Hion, J. F. Oates and D. A. Onderdonk. 1999. African primate communities: determinants of structure and threats to survival. Pp. 1-38. In: *Primate Communities*. Eds. J. G. Fleagle, C. H. Janson and K. E. Reed. Cambridge University Press, Cambridge.
- Chiarello, A. G. 1998. Activity budgets and ranging patterns of the Atlantic forest maned sloth *Bradypus torquatus* (Xenarthra: Bradypodidae). *Journal of Zoology, London* **246**, 1-10.
- Clutton-Brock, T. H. 1989. Mammalian mating systems. *Proceedings of the Royal Society of London, Series B* **236**, 339-372.
- Crawley, M. C. 1973. A live-trapping study of Australian brush-tail possums *Trichosurus vulpecula* (Kerr), in the Orongorongo Valley, Wellington, New Zealand. *Australian Journal of Zoology* **21**, 75-90.
- Crockett, C. M. and J. F. Eisenberg. 1987. Howlers: variations in group size and demographics. In B. B. Smuts, D. L. Cheney, R. W. Wrangham and T. T. Struthsaker (eds.), *Primate Societies*. The University of Chicago Press, Chicago.
- Croft, D. B. 1989. Social organization of the Macropodoidea. Pp. 505-525. In: *Kangaroos, wallabies and rat-kangaroos*. Eds: G. Grigg, P. Jarman and I Hume. Surrey Beatty & Sons, New South Wales.
- Dennis, A. 1997. *Musky rat-kangaroos, Hypsiprymnodon moschatus: cursorial frugivores in Australia's wet-tropical rainforests*. PhD. Thesis, James Cook University, Cairns Queensland.
- Dixon, K. R. and J. A. Chapman. 1980. Harmonic mean measure of animal activity areas. *Ecology* **61**(5), 1040-1044.

- Dunnet, G. M. 1964. A field study of local populations of the brush-tailed possum *Trichosurus vulpecula* in eastern Australia. *Proceedings of the Zoological Society of London* **142**, 665-695.
- Eberhard, I. H. 1972. Ecology of the Koala, *Phascolarctos cinereus* (Goldfuss), on Flinders Chase, Kangaroo Island. PhD Thesis, University of Adelaide, Adelaide.
- Eberhard, I. H. 1978. Ecology of the Koala, *Phascolarctos cinereus* (Goldfuss) Marsupialia: Phascolarctidae, in Australia. Pp. 315-327. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Ellis, W. A. H., A. Melzer, F. N. Carrick and M. Hasegawa. 2002. Tree use, diet and home range of the koala (*Phascolarctos cinereus*) at Blair Athol, central Queensland. *Wildlife Research* **29**, 303-311.
- Estrada, A. 1984. Resource use by howler monkeys (*Alouatta palliata*) in the rain forest of Los Tuxtlas, Veracruz, Mexico. *International Journal of Primatology* **5**, 105-131.
- Fischer, K. E., and S. N. Austad. 1992. A preliminary report on the ecology of arboreal marsupials on Mount Stolle, Sandaun Province. *New Guinea Biological Society Meeting*, Manokwari, Irian Jaya, Indonesia.
- Fisher, D. O. 2000. Effects of vegetation structure, food and shelter on the home range and habitat use of an endangered wallaby. *Journal of Applied Ecology* **37**, 660-671.
- Fisher, D. O. and I. P. F. Owens. 2000. Female home range size and the evolution of social organisation in macropod marsupials. *Journal of Animal Ecology* **69**, 1083-1098.
- Flannery, T. F., R. Martin and A. Szalay. (Eds.) 1996. *Tree-kangaroos: A Curious Natural History*. Reed Books, Melbourne.

- Gallerani Lawson, E. J and A. R. Rodgers. 1997. Differences in home-range size computed in commonly used software programs. *Wildlife Society Bulletin* **25**(3), 721-729.
- Harestad, A. S and F. L. Blunnell. 1979. Home range and body weight - a reevaluation. *Ecology* **60**, 389-402.
- Harris, S., W. J. Cresswell, P. G. Forde, W. J. Trehwella, T. Woollard and S. Wray. 1990. Home-range analysis using radio-tracking data - a review of problems and techniques particularly as applied to the study of mammals. *Mammalian Review* **20**: 97-123.
- Hindell, M. A. and A. K. Lee. 1987. Habitat use and tree preferences of Koalas in a mixed eucalypt forest. *Australian Wildlife Research* **14**, 349-360.
- Hindell, M. A. and A. K. Lee. 1988. Tree use by individual koalas in a natural forest. *Australian Wildlife Research* **15**, 1-7.
- Hixon, M. A. 1987. Territory area as a determinant of mating systems. *American Zoologist* **27**, 229-247.
- How, R. A. 1972. *The ecology and management of Trichosurus species (Marsupialia) in New South Wales*. Ph.D. Thesis, University of New England, Armifdale.
- How, R. A. 1978. Population strategies of four species of Australian "possums". Pp. 305-313. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- How, R. A. 1981. Population parameters of two congeneric possums, *Trichosurus* spp., in north-eastern New South Wales. *Australian Journal of Zoology* **29**, 205- 215.
- How, R. A. and S. J. Hillcox. 2000. Brushtail possum, *Trichosurus vulpecula*, populations in south-western Australia: demography, diet and conservations status. *Wildlife Research* **27**, 81-89.

- Hulbert, I. A. R., G. R. Iason, D. A. Elston and P. A. Racey. 1996. Home range sizes in a stratified upland landscape of two lagomorphs with different feeding strategies. *Journal of Applied Ecology* **33**, 1479-1488.
- Jarman, P. J., C. M. Phillips and J. J. Rabbidge. 1991. Diets of black-striped wallabies in New South Wales. *Wildlife Research* **18**, 403-412.
- Johnson, K. A. 1980. Spatial and temporal use of habitat by the red-necked pademelon, *Thylogale thetis* (Marsupialia: Macropodidae). *Australian Wildlife Research* **7**, 157-166.
- Johnson, C. N. 1991. Utilisation of habitat by the northern hairy-nosed wombat *Lasiorhinus krefftii*. *Journal of Zoological Society, London* **225**: 495-507.
- Kanowski, J. J. 1999. *Ecological determinants of the distribution and abundance of the folivorous marsupials endemic to the rainforests of the Atherton Uplands, north Queensland*. Ph.D. Thesis, James Cook University, Townsville.
- Kanowski, J. J., L. Felderhof, G. Newell, C. Schmidt, B. Stirn, R. Wilson and J. W. Winter. 2001a. Community survey of the distribution of Lumholtz's tree-kangaroo on the Atherton Tablelands, north-east Queensland. *Pacific Conservation Biology* **7**(2), 79-86.
- Kanowski, J., M. S. Hopkins, H. Marsh and J. W. Winter. 2001b. Ecological correlates of folivore abundance in north Queensland rainforests. *Wildlife Research* **28**, 1-28.
- Kenward, R. E. and K. H. Hodder. 1995. *Ranges V. An analysis system for biological data*. Institute for Terrestrial Ecology: Dorset, UK.
- Kerle, J. A. 1998. The population dynamics of a tropical possum, *Trichosurus vulpecula arnhemensis* Collett. *Wildlife Research* **25**, 171-181.
- Komers, P. E. and P. N. M. Brotherton. 1997. Female space use is the best predictor of monogamy in mammals. *Proceedings of the Royal Society of London, Series B* **264**, 1261-1270.

- Laurance, W. F. 1989. *Ecological impacts of tropical forest fragmentation on non-flying mammals and their habitats*. Ph.D. Thesis. Zoology Department, University of California, Berkeley, CA.
- Laurance, W. F. 1990. Comparative responses of five arboreal marsupials to tropical forest fragmentation. *Journal of Mammalogy* **71**(4), 641-653.
- Laurance, S. G. 1996. *Utilisation of linear rainforest remnants by arboreal marsupials in north Queensland*. M.Sc. Thesis, University of New England, Armidale, NSW.
- Laurance, W. F. 1997. Responses of mammals to rainforest Fragmentation in Tropical Queensland: a review and synthesis. *Wildlife Research* **24**, 603-612.
- Laurance, W. F., and Laurance, S. G. 1996. Responses of five arboreal marsupials to recent selective logging in tropical Australia. *Biotropica* **28**, 310-322.
- Laurance, S. G., and Laurance, W. F. 1999. Tropical wildlife corridors: use of linear rainforest remnants by arboreal mammals. *Biological Conservation* **91**, 231-239.
- Lindstedt, S. L., B. J. Miller and S. W. Buskirk. 1986. Home range, time and body size in mammals. *Ecology* **67**, 413-418.
- Martin, R. W. 1992. *An ecological study of Bennett's tree-kangaroo (Dendrolagus bennettianus)*. Report number 116. World Wide Fund for Nature Publication, Sydney, Australia.
- Martin, R. W. 1996. Tcharibeen: field studies of Bennett's tree-kangaroo. Pp. 36-65. In: *Tree-kangaroos: A Curious Natural History*. Eds: Flannery, T. F., R. Martin and A. Szalay. Reed Books, Melbourne.
- McKey, D. 1978. Soils, vegetation, and seed-eating by black Colobus monkeys. Pp. 423-437. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.

- McNab, B. K. 1963. Bioenergetics and the determination of home range size. *American Naturalist* **97**, 133-140.
- McNab, B. K. 1988. Energy conservation in a tree-kangaroo (*Dendrolagus matschiei*) and the red panda (*Ailurus fulgens*). *Physiological Zoology* **61**(3), 280-292.
- Melzer, A. 1995. *Aspects of the ecology of the Koala (Phascolarctus cinereus, Goldfuss 1917) in sub-humid woodland of central Queensland*. Ph.D. Thesis, University of Queensland.
- Milton, K. and M. L. May. 1976. Body weight, diet and home range area in primates. *Nature* **259**, 459-462.
- Mitchell, P. 1990. The home ranges and social activity of koalas - a quantitative analysis. Pp: 171-187. In: *Biology of the Koala*. Eds: A. K. Lee, K. A. Handasyde and G. D. Sanson. Surrey Beatty & Sons, Sydney.
- Montgomery, G. G. and M. E. Sunquist. 1978. Habitat selection and use by two-toed and three-toed sloths. Pp. 329-359. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Newell, G. R. 1998. Lumholtz's tree-kangaroo. *Nature Australia* **25**, 31-39.
- Newell, G. R. 1999a. Australia's tree-kangaroos: current issues in their conservation. *Biological Conservation* **87**, 1-12.
- Newell, G. R. 1999b. Home range and habitat use by Lumholtz's tree-kangaroo (*Dendrolagus lumholtzi*) within a rainforest fragment in north Queensland. *Wildlife Research* **26**, 129-145.
- Newell, G. R. 1999c. Responses of Lumholtz's tree-kangaroo (*Dendrolagus lumholtzi*) to loss of habitat within a tropical rainforest fragment. *Biological Conservation* **91**, 181-189.



- Pahl, L. I., Winter, J. W. and Heinsohn, G. 1988. Variation in responses of arboreal folivores to fragmentation of tropical rainforest in North Eastern Australia. *Biological Conservation* **46**, 71-82.
- Palacios, E. and A. Rodriguez. 2001. Ranging pattern and use of space in a group of Red Howler monkeys (*Alouatta seniculus*) in a southeastern Colombian rainforest. *American Journal of Primatology* **55**, 233-251.
- Pople, A. 1989. Habitat associations of Australian Macropodoidea. Pp.755-766. In: *Kangaroos, Wallabies and Rat-kangaroos. Volume 2*. Eds: Grigg, G., P. Jarman and I. Hume. Surrey Beatty & Sons Pty Limited, Australia.
- Procter-Gray, E. 1984. Dietary ecology of the Coppery Brushtail possum, Green Ringtail possum and Lumholtz's tree-kangaroo in north Queensland. Pp. 129-135. In: *Possums and Gliders*. Eds: A. P. Smith and I. D. Hume. Australian Mammal Society, Sydney.
- Procter-Gray, E. 1985. *The behaviour and ecology of Lumholtz's tree-kangaroo, Dendrolagus lumholtzi (Marsupialia: Macropodidae)*. Ph.D. Thesis, Harvard University.
- Sampson, J. C. 1971. *The biology of Bettongia penincillata Gray, 1937*. Ph.D. Thesis, University of Western Australia, Perth.
- Sattler, P. and R. Williams. 1999. *The Conservation Status of Queensland's Bioregional Ecosystems*. Queensland Government, Environmental Protection Agency, Brisbane.
- Scrivener, N. 2000. Testing the role of plant secondary metabolites on diet dselection and foraging strategy of the common brushtail possum (*Trichosurus vulpecula*). Honours Thesis, James Cook University, Cairns.
- Smith, M. 1979. Behaviour of the koala, *Phascolarctos cinereus* Goldfuss, in captivity I. Non-social behaviour. *Australian Wildlife Research* **6**, 117-129.

- Tracey, G. J. 1982. *The vegetation of the humid tropical region of north Queensland*. CSIRO, Melbourne.
- Troy, S. and G. Coulson. 1993. Home range of the swamp wallaby, *Wallabia bicolor*. *Wildlife Research* **20**, 571-577.
- Vernes, K., H. Marsh and J. Winter. 1995. Home range and movement patterns of the red-legged pademelon (*Thylogale stigmatica*) in a fragmented tropical rainforest. *Wildlife Research* **22**, 699-708.
- Ward, G. D. 1978. Habitat use and home range of radio-tagged Opossums *Trichosurus vulpecula* (Kerr) in New Zealand lowland forest. Pp. 267-287. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- White, N. A. 1999. Ecology of the koala (*Phascolarctos cinereus*) in rural south-east Queensland, Australia. *Wildlife Research* **26**, 731-744.
- Wilson, R. 2000. *The impact of anthropogenic disturbance on four species of rainforest possums in north-eastern Queensland*. PhD. Thesis, James Cook University, Cairns.

#### 10.4 CHAPTER 5

- Aebischer, N. J., P. A. Robertson and R. E. Kenward. 1993. Compositional analysis of habitat use from animal radio-tracking data. *Ecology* **74**(5),1313-1325.
- Betz, W. 2001. *Matschie's Tree kangaroo (Marsupialia: Macropodidae, Dendrolagus matschiei) in Papua New Guinea: estimates of population density and landowner accounts of food plants and natural history*. Masters Thesis, University of Southampton, Southampton.
- Betz, W., L. Dabek and K. Evei. Unpublished data. Use of landowner interviews to document indigenous knowledge of natural history, cultural significance, and conservation status of Matschie's tree kangaroo (*Dendrolagus matschiei*) in Papua New Guinea.

- Chiarello, A. G. 1998. Diet of the Atlantic forest maned sloth *Bradypus torquatus* (Xenarthra: Bradypodidae). *Journal of Zoology, London* **246**, 11-19.
- Cork, S. J. and W. J. Foley. 1991. Digestive and metabolic strategies of arboreal folivores in relation to chemical defenses in temperate and tropical forests. Pp. 133-166. In: *Plant defenses against mammalian herbivory*. Eds. R. T. Palo and C. T. Robbins. CRC Press, Boca Raton.
- Cork, S. J. and W. J. Foley. 1997. Digestive and metabolic adaptations of arboreal marsupials for dealing with plant antinutrients and toxins. Pp. 133-166. In: *Marsupial Biology: recent research, new perspectives*. Eds: Saunders, N. and L. Hinds. University of New South Wales Press, Sydney.
- Eberhard, I. H. 1978. Ecology of the Koala, *Phascolarctos cinereus* (Goldfuss) Marsupialia: Phascolarctidae, in Australia. Pp. 315-327. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Ellis, W. A. H., A. Melzer, F. N. Carrick and M. Hasegawa. 2002. Tree use, diet and home range of the koala (*Phascolarctos cinereus*) at Blair Athol, central Queensland. *Wildlife Research* **29**, 303-311.
- Flannery, T. F., R. Martin and A. Szalay. (Eds.) 1996. *Tree-kangaroos: A Curious Natural History*. Reed Books, Melbourne.
- Glander, K. E. 1978. Howling monkey feeding behavior and plant secondary compounds: a study of strategies. Pp. 561-574. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Hindell, M. A. and A. K. Lee. 1987. Habitat use and tree preferences of Koalas in a mixed eucalypt forest. *Australian Wildlife Research* **14**, 349-360.
- Hindell, M. A. and A. K. Lee. 1988. Tree use by individual koalas in a natural forest. *Australian Wildlife Research* **15**, 1-7.

- Hindell, M. A., K. A. Handasyde and A. K. Lee. 1985. Tree selection by free-ranging koala populations in Victoria. *Australian Wildlife Research* **12**, 137-144.
- Hladik, C. M. 1978. Adaptive strategies of primates in relation to leaf-eating. Pp. 373-395. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- How, R. A. 1978. Population strategies of four species of Australian "possums". Pp. 305-313. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- How, R. A. and S. J. Hillcox. 2000. Brushtail possum, *Trichosurus vulpecula*, populations in south-western Australia: demography, diet and conservations status. *Wildlife Research* **27**, 81-89.
- Johnson, D. H. 1980. The comparison of usage and availability measurements for evaluating resource preference. *Ecology* **61**(1), 65-71.
- Johnson, C. N., P. J. Jarman and C. J. Southwell. 1987. Macropod studies at Wallaby Creek V. Patterns of defaecation by eastern grey kangaroos and red-necked wallabies. *Australian Wildlife Research* **14**, 133-138.
- Kanowski, J. J. 1999. *Ecological determinants of the distribution and abundance of the folivorous marsupials endemic to the rainforests of the Atherton Uplands, north Queensland*. Ph.D. Thesis, James Cook University, Townsville.
- Kanowski, J. J., L. Felderhof, G. Newell, C. Schmidt, B. Stirn, R. Wilson and J. W. Winter. 2001a. Community survey of the distribution of Lumholtz's tree-kangaroo on the Atherton Tablelands, north-east Queensland. *Pacific Conservation Biology* **7**(2), 79-86.
- Kanowski, J. J., M. S. Hopkins, H. Marsh and J. W. Winter. 2001b. Ecological correlates of folivore abundance in north Queensland. *Wildlife Research* **28**, 1-8.

- Kenward, R. E., A. B. South and S. S. Walls. 2003. *Ranges 6 v1.2: For the analysis of tracking and location data*. Anatrack Ltd., Wareham, UK.
- Laurance, W. F. 1989. *Ecological impacts of tropical forest fragmentation on non-flying mammals and their habitats*. Ph.D. Thesis. Zoology Department, University of California, Berkeley, CA.
- Laurance, W. F. 1990. Comparative responses of five arboreal marsupials to tropical forest fragmentation. *Journal of Mammalogy* **71**(4), 641-653.
- Laurance, S. G. 1996. *Utilisation of linear rainforest remnants by arboreal marsupials in north Queensland*. M.Sc. Thesis, University of New England, Armidale, NSW.
- Laurance, W. F. 1997. Responses of mammals to rainforest Fragmentation in Tropical Queensland: a review and synthesis. *Wildlife Research* **24**, 603-612.
- Laurance, W. F., and Laurance, S. G. 1996. Responses of five arboreal marsupials to recent selective logging in tropical Australia. *Biotropica* **28**, 310-322.
- Laurance, S.G., and Laurance, W.F. 1999. Tropical wildlife corridors: use of linear rainforest remnants by arboreal mammals. *Biological Conservation* **91**, 231-239.
- Lawler, I. R., W. J. Foley, B. M. Eschler, D. M. Pass and K. Handasyde. 1998. Intraspecific variation in *Eucalyptus* secondary metabolites determines food intake by folivorous marsupials. *Oecologia* **116**, 160-169.
- Lawler, I. R., W. J. Foley and B. M. Eschler. 2000. Foliar concentration of a single toxin creates habitat patchiness for a marsupial folivore. *Ecology* **81**, 1327-1338.
- Manly, B. F. J., L. L. McDonald, D. L. Thomas, T. L. McDonald and W. P. Erickson. 2002. *Resource Selection by animals. 2<sup>nd</sup> Edition*. Kluwer Academic Publishers, The Netherlands.

- Martin, R. W. 1992. *An ecological study of Bennett's tree-kangaroo (Dendrolagus bennettianus)*. Report number 116. World Wide Fund for Nature Publication, Sydney, Australia.
- Melzer, A. 1995. *Aspects of the ecology of the Koala (Phascolarctus cinereus, Goldfuss 1917) in sub-humid woodland of central Queensland*. Ph.D. Thesis, University of Queensland.
- McCune, B, and M. J. Mefford. 1999. *PC-ORD. Multivariate Analysis of ecological data, Version 4*. MjM Software Design, Gleneden Beach, Oregon, USA.
- McKey, D. 1978. Soils, vegetation, and seed-eating by black Colobus monkeys. Pp. 423-437. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Milton, K. and M. L. May. 1976. Body weight, diet and home range area in primates. *Nature* **259**, 459-462.
- Mitchell, P. 1990. The home ranges and social activity of koalas - quantitative analysis. Pp. 171-187. In: *Biology of the Koala*. Eds: A. K. Lee, K. A. Handasyde and G. D. Sanson. Surrey Beatty and Sons, Sydney.
- Montgomery, G. G. and M. E. Sunquist. 1978. Habitat selection and use by two-toed and three-toed sloths. Pp. 329-359. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Moore, B. D. and W. J. Foley. 2000. A review of feeding and diet selection in koalas (*Phascolarctos cinereus*). *Australian Journal of Zoology* **48**, 317-333.
- Munks, S. A., R. Corkrey and W. J. Foley. 1996. Characteristics of arboreal marsupial habitat in the semi-arid woodlands of north Queensland. *Wildlife Research* **23**, 185-195.

- Newell, G. R. 1999a. Australia's tree-kangaroos: current issues in their conservation. *Biological Conservation* **87**, 1-12.
- Newell, G. R. 1999b. Home range and habitat use by Lumholtz's tree-kangaroo (*Dendrolagus lumholtzi*) within a rainforest fragment in north Queensland. *Wildlife Research* **26**, 129-145.
- Newell, G. R. 1999c. Responses of Lumholtz's tree-kangaroo (*Dendrolagus lumholtzi*) to loss of habitat within a tropical rainforest fragment. *Biological Conservation* **91**, 181-189.
- Owen, M. 1972. Some factors affecting food intake and selection in white-fronted geese. *Journal of Animal Ecology* **41**, 79-92.
- Pahl, L. I., Winter, J. W. and Heinsohn, G. 1988. Variation in responses of arboreal folivores to fragmentation of tropical rainforest in North Eastern Australia. *Biological Conservation* **46**, 71-82.
- Palacios, E. and A. Rodriguez. 2001. Ranging pattern and use of space in a group of Red Howler monkeys (*Alouatta seniculus*) in a southeastern Colombian rainforest. *American Journal of Primatology* **55**, 233-251.
- Procter-Gray, E. 1984. Dietary ecology of the Coppery Brushtail possum, Green Ringtail possum and Lumholtz's tree-kangaroo in north Queensland. Pp. 129-135. In: *Possums and Gliders*. Eds: A. P. Smith and I. D. Hume. Australian Mammal Society, Sydney.
- Procter-Gray, E. 1985. *The behaviour and ecology of Lumholtz's tree-kangaroo, Dendrolagus lumholtzi (Marsupialia: Macropodidae)*. Ph.D. Thesis, Harvard University.
- Procter-Gray, E. 1990. Kangaroos up a tree. *Natural History* **90**, 61-66.
- Tree Kangaroo and Mammal Group. 2000. *Community survey of the distribution of Lumholtz's Tree-kangaroo*. Natural Heritage Trust.

Umapathy, G. and A. Kumar. 2000. The occurrence of arboreal mammals in the rain forest fragments in the Anamalai Hills, south India. *Biological Conservation* **92**, 311-319.

Wiens, J. A. 1973. Pattern and process in grassland bird communities. *Ecological Monographs* **43**, 237-270.

## 10.5 CHAPTER 6

Betz, W. 2001. *Matschie's Tree kangaroo (Marsupialia: Macropodidae, Dendrolagus matschiei) in Papua New Guinea: estimates of population density and landowner accounts of food plants and natural history*. Masters Thesis, University of Southampton, Southampton.

Christophel, D. C. and A. Rowett. 1996. *Leaf and cuticle atlas of Australian leafy Lauraceae*. Flora of Australia Supplementary Series Number 6, Australian Biological Resources Study, Canberra.

Copley, P. B. and A. C. Robinson. 1983. Studies on the yellow-footed rock-wallaby, *Petrogale xanthopus* Gray (Marsupialia: Macropodidae). II. Diet. *Australian Wildlife Research* **10**, 63-76.

Dickman, C. R. 1995. Diets and habitat preferences of three species of crocidurine shrews in arid southern Africa. *Journal of Zoology, London* **237**, 499-514.

Ellis, W., F. Carrick, P. Lundgren, A. Veary and B. Cohen. 1999. The use of faecal cuticle examination to determine the dietary composition of koalas. *Australian Zoologist* **31**(1), 127-133.

Flannery, T. F., R. Martin and A. Szalay. (Eds.) 1996. *Tree-kangaroos: A Curious Natural History*. Reed Books, Melbourne.

Gales, R. P. 1987. Validation of the stomach-flushing technique for obtaining stomach contents of penguins. *Ibis* **129**, 335-343.

Gales, N. J and H. R. Burton. 1988. Use of emetics and anaesthesia for dietary assessment of Weddell seals. *Australian Wildlife Research* **15**, 423-433.



- Glander, K. E. 1978. Howling monkey feeding behavior and plant secondary compounds: a study of strategies. Pp. 561-574. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Hart, R. K., M. C. Calver and C. R. Dickman. 2002. The index of relative importance: an alternative approach to reducing bias in descriptive studies of animal diets. *Wildlife Research* **29**, 415-421.
- Hladik, C. M. 1978. Adaptive strategies of primates in relation to leaf-eating. Pp. 373-395. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- How, R. A. and S. J. Hillcox. 2000. Brushtail possum, *Trichosurus vulpecula*, populations in south-western Australia: demography, diet and conservation status. *Wildlife Research* **27**, 81-89.
- Ingleby, S., M. Westoby and P. K. Latz. 1989. Habitat requirements of the Northern Nailtail wallaby *Onychogalea unguifera* (Marsupialia: Macropodidae) in the Northern Territory and Western Australia. Pp. 767-782. In: *Kangaroos, Wallabies and Rat-kangaroos. Volume 2*. Eds: Grigg, G., P. Jarman and I. Hume. Surrey Beaty & Sons Pty Limited, Australia
- Johnson, D. H. 1980. The comparison of usage and availability measurements for evaluating resource preference. *Ecology* **61**(1), 65-71.
- Johnson, P. M., M. Hakes and S. Sullivan. 2002. Predation by Lumholtz's tree kangaroos, *Dendrolagus lumholtzi* in captivity. *Thylacinus* **26**(3), 6-7.
- Jones, K. M. W. 2000. *Tree-kangaroo (Dendrolagus spp.) diet: Faecal analysis as a technique to determine food plants and feeding patterns*. Honours Thesis, University of Adelaide, South Australia.
- Lapidge, S. J. 2000. Dietary adaptation of reintroduced yellow-footed rock-wallabies, *Petrogale xanthopus xanthopus* (Marsupialia: Macropodidae),

in the northern Flinders ranges, South Australia. *Wildlife Research* **27**, 195-201.

- Manly, B. F. J., L. L. McDonald, D. L. Thomas, T. L. McDonald and W. P. Erickson. 2002. *Resource Selection by animals. 2<sup>nd</sup> Edition*. Kluwer Academic Publishers, The Netherlands.
- Martin, G. R., L. E. Twigg and D. J. Robinson. 1996. Comparison of the diet of feral cats from rural and pastoral Western Australia. *Wildlife Research* **23**, 475-484.
- McKey, D. 1978. Soils, vegetation, and seed-eating by black Colobus monkeys. Pp. 423-437. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Moore, B. D. and W. J. Foley. 2000. A review of feeding and diet selection in koalas (*Phascolarctos cinereus*). *Australian Journal of Zoology* **48**, 317-333.
- Newell, G. R. 1999. Home range and habitat use by Lumholtz's tree-kangaroo (*Dendrolagus lumholtzi*) within a rainforest fragment in north Queensland. *Wildlife Research* **26**, 129-145.
- Norbury, G. L. 1988. A comparison of stomach and faecal samples for diet analysis of grey kangaroos. *Australian Wildlife Research* **15**, 249-255.
- Procter-Gray, E. 1984. Dietary ecology of the Coppery Brushtail possum, Green Ringtail possum and Lumholtz's tree-kangaroo in north Queensland. Pp. 129-135. In: *Possums and Gliders*. Eds: A.P. Smith and I.D. Hume. Australian Mammal Society, Sydney.
- Procter-Gray, E. 1985. *The behaviour and ecology of Lumholtz's tree-kangaroo, Dendrolagus lumholtzi (Marsupialia: Macropodidae)*. Ph.D. Thesis, Harvard University.
- Prys-Jones, R. P., L. Schifferli and D. W. MacDonald. 1974. The use of an emetic in obtaining food samples from passerises. *Ibis* **116**, 90-94.

- Radke, W. J. and M. J. Fydenhall. 1974. A survey of emetics for use in stomach contents recovery of the house sparrow. *American Midlands Naturalist* **92**, 164-172.
- Randall, R. M. and I. S. Davison. 1981. Device for obtaining food samples from stomachs of jackass penguins. *South African Journal of Wildlife Research* **11**, 121-125.
- Recchia, C. A. and A. J. Read. 1989. Stomach contents of harbour porpoises, *Phocoena phocoena* (L), from the Bay of Fundy. *Canadian Journal of Zoology* **67**, 2140-2146.
- Stephens, D. W. and J. R. Krebs. 1986. *Foraging Theory*. Princeton University Press, Princeton, NJ.
- Storr, G. M. 1961. Microscopic analysis of faeces, a technique for ascertaining the diet of herbivorous mammals. *Australian Journal of Biological Sciences* **14**: 157-164.
- Storr, G. M. 1964. Studies on marsupial nutrition. IV. Diet of the Quokka, *Setonix brachyurus* (Quoy & Gaimard), on Rottnest Island, Western Australia. *Australian Journal of Biological Science* **17**, 469-481.
- Sullivan, B. J., W. M. Norris and G. S. Baxter. 2003. Low-density koala (*Phascolarctos cinereus*) populations in the mulgalands of south-west Queensland. II. Distribution and diet. *Wildlife Research* **30**, 331-338.
- Tullis, K. J., M. C. Calver and R. D. Wooller. 1982. The invertebrate diet of small birds in *Banksia* woodland near Perth, Western Australia, during winter. *Australian Wildlife Research* **9**, 303-309.
- Woolnough, A. P. and C. N. Johnson. 2000. Assessment of the potential for competition between two sympatric herbivores – the northern hairy-nosed wombat, *Lasiorhinus krefftii*, and the eastern grey kangaroo, *Macropus giganteus*. *Wildlife Research* **27**, 301-308.

## 10.6 CHAPTER 7

- Barry, T. N. and B. J. Blaney. 1987. Secondary compounds of forages. Pp. 91-119. In: *The nutrition of herbivores*. Eds J. B. Hacker and J. A. Ternouth. Academic Press, Sydney.
- Bauchop, T. 1978. Digestion of leaves in vertebrate arboreal folivores. Pp. 193-204. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington DC.
- Bauchop, T and R. W. Martucci. 1968. Ruminant-like digestion of the langur monkey. *Science* **161**, 698-700.
- Coley, P. D. 1983. Herbivory and defensive characteristics of tree species in a lowland tropical forest. *Ecological Monographs* **53**(2), 209-233.
- Cork, S. J. 1996. Optimal digestive strategies for arboreal herbivorous mammals in contrasting forest types: Why koalas and colobines are different. *Australian Journal of Ecology* **21**, 10-20.
- Dabek, L. 1991. *Mother-young relations and behavioral development of the young in captive Matschie's tree kangaroos (Dendrolagus matschiei)*. Master of Science, University of Washington.
- Dasilva, G. L. 1992. The western black-and-white colobus as a low-energy strategist – Activity budgets, energy expenditure and energy intake. *Journal of Animal Ecology* **61**, 79-91.
- Dellow, D. W. 1982. Studies on the nutrition of Macropodine marsupials III. The flow of digesta through the stomach and intestine of Macropodines and sheep. *Australian Journal of Zoology* **30**, 751-765.
- Dellow, D. W. and I. D. Hume. 1982. Studies on the nutrition of Macropodine marsupials IV. Digestion in the stomach and the intestine of *Macropus giganteus*, *Thylogale thetis* and *Macropus eugenii*. *Australian Journal of Zoology* **30**, 767-777.

- Flannery, T. F. 1989. Phylogeny of the Macropodoidea; a study in convergence. Pp.1-46. In: *Kangaroos, Wallabies and Rat-kangaroos*. Eds. G. Grigg, P. Jarman and I. Hume. Surrey Beatty & Sons Pty Limited, New South Wales, Australia.
- Flannery, T. F., R. Martin and A. Szalay. 1996. *Tree-kangaroos: a curious natural history*. Reed Books, Australia.
- Foley, W. J and I. D. Hume. 1987. Nitrogen requirements and urea metabolism in two arboreal marsupials, the greater glider (*Petauroides volans*) and the brushtail possum (*Trichosurus vulpecula*) fed *Eucalyptus* foliage. *Physiological Zoology* **60**, 241-250.
- Freudenberger, D. O. 1992. Gut capacity, functional allocation of gut volume and size distributions of digesta particles in two Macropodid marsupials (*Macropus robustus robustus* and *M. r. erubescens*) and the feral goat (*Capra hircus*). *Australian Journal of Zoology* **40**, 551-561.
- Freudenberger, D. O., I. R. Wallis and I. D. Hume. 1989. Digestive adaptations of kangaroos, wallabies and rat-kangaroos. Pp. 179-187. In: *Kangaroos, Wallabies and Rat-kangaroos*. Eds. G. Grigg, P. Jarman and I. Hume. Surrey Beatty & Sons Pty Limited, New South Wales, Australia.
- Hartman, F. A. 1959. Notes on the adrenal of the sloth. *Anatomical Record* **133**, 105-111.
- Hill, W. C. O. 1952. The external and visceral anatomy of the olive colobus monkey (*Procolobus verus*). *Proceedings of the Zoological Society, London* **122**, 127-186.
- Hume, I. D. 1978. Evolution of the Macropodidae digestive system. *Australian Mammalogy* **2**, 37-42.
- Hume, I. D. 1982. *Digestive physiology and nutrition of marsupials*. Cambridge University Press, Cambridge.

- Hume, I. D. 1984. Principal features of digestion in kangaroos. *Proceedings of the Nutritional Society of Australia* **9**, 76-81.
- Hume, I. D. 1989. Optimal digestive strategies in mammalian herbivores. *Physiological Zoology* **62**(6), 1145-1163.
- Hume, I. D. 1999. *Marsupial Nutrition*. Cambridge University Press, Cambridge.
- Hume, I. D. and Carlisle, C. H. 1985. Radiographic studies on the structure and function of the gastrointestinal tract of two species of potoroine marsupials. *Australian Journal of Zoology* **33**, 641-654.
- Hume, I. D. and D. W. Dellow. 1980. Form and function of the macropod marsupial digestive tract. Pp. 78-89. In: *Comparative physiology: primitive mammals*. Eds. K. Schmidt-Nielsen, L. Bolis and C. R. Taylor. Cambridge University Press, Cambridge.
- Janzen, D. H. 1978. Complications in interpreting the chemical defenses of trees against tropical arboreal plant-eating vertebrates. Pp. 73-84. In: *The Ecology of Arboreal Folivores*. Ed: Montgomery, G. G. Smithsonian Institution Press, Washington, DC.
- Johnson, P. M. and S. Delean. 2003. Reproduction of the Lumholtz tree-kangaroo, *Dendrolagus lumholtzi* (Marsupialia: Macropodidae), in captivity, with age estimation and development of the pouch young. *Wildlife Research* **30**, 505-512.
- Langer, P., Dellow, D. W. and Hume, I. D. 1980. Stomach structure and function in three species of Macropodine Marsupials. *Australian Journal of Zoology* **28**, 1-18.
- Lentle, R. G., K. J. Stafford, M. A. Potter, B. P. Springett and S. Haslett. 1998. Factors affecting the volume and macrostructure of gastrointestinal compartments in the tammar wallaby (*Macropus eugenii* Desmarest). *Australian Journal of Zoology* **46**, 529-545.

- Milton, K. 1978. Behavioral adaptations to leaf-eating by the Mantled Howler monkey (*Alouatta palliata*). Pp. 535-549. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Montgomery, G. G. and M. E. Sunkist. 1978. Habitat selection and use by two-toed and three-toed sloths. Pp. 329-359. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Ohwaki, K., R. E. Hungate, L. Lotter, R. R. Hofmann and G. Maloiy. 1974. Stomach fermentation in East African colobus monkeys in their natural state. *Applied Microbiology* **27**, 713-723.
- Osawa, R. 1987. *Aspects of digestive strategies in the Macropodidae*. Ph.D. Thesis, University of Queensland, Brisbane.
- Owen, R. 1852. Notes on the anatomy of the tree-kangaroo (*Dendrolagus inustus*, Gould). *Proceedings of the Zoological Society of London* **1852**, 103-107.
- Owen, R. 1868. *On the Anatomy of Vertebrates, Vol. III, Mammals*. Pp. 411-420. Longmans, Green & Co, London.
- Parra, R. 1978. Comparison of foregut and hindgut fermentation in herbivores. Pp. 205-229. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Penry, D. L. and P. A. Jumars. 1987. Modeling animal guts as chemical reactors. *American Naturalist* **129**, 69-96.
- Richardson, K. C. 1980. The structure and radiographic anatomy of the alimentary tract of the Tammar wallaby, *Macropus eugenii* (Marsupialia) I. The stomach. *Australian Journal of Zoology* **28**, 367 -379.

- Sibly, R. M. 1981. Strategies of digestion and defecation. Pp. 109-139. In: *Physiological ecology: an evolutionary approach to resource use*. Eds. C.R. Townsend and P. Callow. Sinauer, Sunderland, Mass.
- Sibly, R. M. and P. Callow. 1986. *Physiological ecology: an evolutionary approach*. Blackwell Scientific Publications. Oxford, London.
- Sibly, R. M., K. A. Monk, I. K. Johnson and R. C. Trout. 1990. Seasonal variation in gut morphology in wild rabbits. *Journal of the Zoological Society of London* **221**, 605-619.
- Stevens, C. E. and I. D. Hume. 1995. *Comparative physiology of the vertebrate digestive system*. Second Edition. Cambridge University Press, Cambridge.
- Townsend, C.R. and R.H. Hughes. 1981. Maximising net energy returns from foraging. Pp. 86-108. In: *Physiological ecology: an evolutionary approach to resource use*. Eds. C.R. Townsend and P. Callow. Sinauer, Sunderland, Mass.
- Van Soest, P. J. 1982. *Nutritional ecology of the ruminant*. O and B Books, Corvallis, US.
- Waterman, P. G., J. A. Ross, E. L. Bennett and A. G. Davies. 1988. A comparison of the floristics and leaf chemistry of the tree flora in two Malaysian rainforest and the influences of leaf chemistry on populations of colobine monkeys in the Old World. *Biological Journal of the Linnean Society* **34**, 1-32.
- 10.7 CHAPTER 8**
- Azorit, C., M. Analla, J. Hervas, R. Carrasco and J. Muñoz-Cobo. 2002a. Growth marks observation: preferential techniques and teeth for aging of Spanish Red Deer (*Cervus elaphus hispanicus*). *Anatomy, Histology and Embryology* **31**, 303-307.



- Azorit, C., J. Hervas, M. Analla, R. Carrasco and J. Muñoz-Cobo. 2002b. Histological thin-sections: a method for the microscopic study of teeth in Spanish Red Deer (*Cervus elaphus hispanicus*). *Anatomy, Histology and Embryology* **31**, 224-227.
- Blanshard, W. H. 1990. Growth and development of the koala from birth to weaning. Pp.193-202. In: *Biology of the Koala*. Eds: Lee, A. K., K. A. Handasyde and G. D. Sanson. Surrey Beatty & Sons, Sydney.
- Catt, D. C. 1979. Age determination in Bennett's wallaby, *Macropus rufogriseus fruticus* (Marsupialia), in South Canterbury, New Zealand. *Australian Wildlife Research* **6**, 13-18.
- Caughley, G. 1965. Horn rings and tooth eruption as criteria of age in the Himalayan thar, *Hemitagus jemlahicus*. *New Zealand Journal of Science* **8**, 333-351.
- Caughley, G. 1977. *Analysis of Vertebrate Populations*. John Wiley & Sons, London.
- Clout, M. N. 1982. Determination of age in the brushtail possum using sections from decalcified molar teeth. *New Zealand Journal of Zoology* **9**, 405-408.
- Cool, S. M., M. B. Bennett and K. Romaniuk. 1994. Age estimation of Pteropodid bats (Megachiroptera) from hard tissue parameters. *Wildlife Research* **21**, 353-364.
- Dawson, T. J. 1995. *Kangaroos: biology of the largest marsupials*. University of New South Wales Press, Sydney.
- Driessen, M. M. and G. J. Hocking. 1996. Age estimation of the Tasmanian pademelon, *Thylogale billardierii*, by molar eruption. *Australian Mammalogy* **20**, 107-110.

- Dubzinski, M. L., A. E. Newsome, A. E. Merchant and B. L. Bolton. 1977. Comparing the two usual methods for aging Macropodidae on tooth-classes in the agile wallaby. *Australian Wildlife Research* **4**, 219-221.
- Ealey, E. H. M. 1967. Ecology of the euro, *Macropus robustus* (Gould), in north-western Australia. IV. Age and growth. *Wildlife Research* **12**, 67-80.
- Fancy, S. G. 1980. Preparation of mammalian teeth for age determination by cementum layers: a review. *Wildlife Society Bulletin* **8**, 242-248.
- Flannery, T. F., R. Martin and A. Szalay. (Eds.) 1996. *Tree-kangaroos: A Curious Natural History*. Reed Books, Melbourne.
- Gasaway, W. C., D. B. Harkness and R. A. Rausch. 1978. Accuracy of moose age determinations from incisor cementum layers. *Journal of Wildlife Management* **42**(3), 558-563.
- Gordon, G. 1991. Estimation of the age of the koala, *Phascolarctos cinereus* (Marsupialia: Phascolarctidae) from tooth wear and growth. *Australian Mammalogy* **14**, 5-12.
- Groves, C. P. 1982. The systematics of tree kangaroos (*Dendrolagus*; Marsupialia, Macropodidae). *Australian Mammalogy* **5**, 157-186.
- Hughes, R. D. 1965. On the age composition of a small sample of individuals from a population of the banded hare wallaby, *Lagostrophus fasciatus* (Peron & Lesueur). *Australian Journal of Zoology* **13**, 75-95.
- Inns, R. W. 1982. Age determination in the Kangaroo Island wallaby, *Macropus eugenii* (Desmarest). *Australian Wildlife Research* **9**, 213-220.
- Johnson, P. M. and S. Delean. 2003. Reproduction of the Lumholtz tree-kangaroo, *Dendrolagus lumholtzi* (Marsupialia: Macropodidae), in captivity, with age estimation and development of the pouch young. *Wildlife Research* **30**, 505-512.

- Johnson, P. M. and K. Vernes. 1994. Reproduction in the red-legged pademelon, *Thylogale stigmatica* Gould (Marsupialia: Macropodidae), and age estimation and development of pouch young. *Wildlife Research* **21**, 553-558.
- Kingsmill, E. 1962. An investigation of criteria for estimating age in the marsupials *Trichosurus vulpecula* Kerr and *Perameles nasuta* Geoffroy. *Australian Journal of Zoology* **10**, 597-616.
- Kirkpatrick, T. H. 1964. Molar progression and macropod age. *Queensland Journal of Agricultural and Animal Science* **21**, 163-165.
- Kirkpatrick, T. H. 1965. Studies of Macropodidae in Queensland. 2. Age estimation in the grey kangaroo, the red kangaroo, the eastern wallaroo and the red-necked wallaby, with notes on dental abnormalities. *Queensland Journal of Agricultural and Animal Science* **22**, 301-317.
- Klevezal, G. A. and S. E. Kleinenberg. 1967. *Age determination of mammals from annual layers in teeth and bones*. Moscow. Translated from Russian by J. Salkind, Reprinted by IPST Press, Jerusalem for The US Department of the Interior and the National Science Foundation, Washington DC. Pp. 1-128.
- Lanyon, J. M. and G. D. Sanson. 1986. Koala (*Phascolarctos cinereus*) dentition and nutrition. II. Implications of tooth wear in nutrition. *Journal of Zoology, London* **209**, 169-181.
- Laws, R. M. 1952. A new method for age determination for mammals. *Nature* **169**, 972-973.
- Lentle, R.G., K. J. Stafford, M. A. Potter, B. P. Springett and S. Haslett. 1998. Incisor and molar wear in the tammar wallaby (*Macropus eugenii* Desmarest). *Australian Journal of Zoology* **46**, 509-527.
- Lentle, R.G., I. D. Hume, K. J. Stafford, M. Kennedy, S. Haslett and B. P. Springett. 2003a. Comparison of tooth morphology and wear patterns in four species of wallabies. *Australian Journal of Zoology* **51**, 61-79.

- Lentle, R. G., I. D. Hume, K. J. Stafford, M. Kennedy, S. Haslett and B. P. Springett. 2003b. Molar progression and tooth wear in tammar (Macropus eugenii) and parma (Macropus parma) wallabies. *Australian Journal of Zoology* **51**, 137-151.
- Lentle, R. G., I. D. Hume, K. J. Stafford, M. Kennedy, S. Haslett and B. P. Springett. 2003c. Molar progression and tooth wear in tammar (Macropus eugenii) and parma (Macropus parma) wallabies. *Australian Journal of Zoology* **51**, 137-151.
- Logan, M. and G. D. Sanson. 2002. The effect of tooth wear on the feeding behaviour of free-ranging koalas (*Phascolarctos cinereus*, Goldfuss). *Journal of Zoology, London* **256**, 63-69.
- Martin, R. W. 1981. Age-specific fertility in three populations of the koala, *Phascolarctos cinereus* Goldfuss, in Victoria. *Australian Wildlife Research* **8**, 278-283.
- Martin, R. W. 1996. Tcharibeen: field studies of Bennett's tree-kangaroo. Pp. 36-65. In: *Tree-kangaroos: A Curious Natural History*. Eds: Flannery, T. F., R. Martin and A. Szalay. Reed Books, Melbourne.
- Martin, R. W., K. Handasyde and S. Simpson. 1999. *The Koala: natural history, conservation and management*. Australian Natural History Series, University of New South Wales Press, Sydney.
- Maynes, G. M. 1972. Age estimation in the parma wallaby, *Macropus parma* Waterhouse. *Australian Journal of Zoology* **20**, 107-118.
- McCullough, D. R. and P. Beier. 1986. Upper vs. lower molars for cementum annuli age determination of deer. *Journal of Wildlife Management* **50**(4), 705-706.
- Morris, P. 1978. The use of teeth for estimating the age of wild mammals. Pp. 483-494. In: *Development, Function and Evolution of Teeth*. Eds: P. M. Butler and K. A. Joysey. Academic Press, London.

- Murphy, C. R. and J. R. Smith. 1970. Age determination of pouch young and juvenile Kangaroo island wallabies. *Transcripts of the Royal Society of Science Australia* **94**, 15-20.
- Pekelharing, C. J. 1970. Cementum deposition as an age indicator in the brush-tailed possum, *Trichosurus vulpecula* Kerr (Marsupialia). *Australian Journal of Zoology* **18**, 71-76.
- Poole, W. E., S. M. Carpenter and J. T. Wood. 1982. Growth of Grey kangaroos and the reliability of age determination from body measurements II. The Western Grey kangaroos, *Macropus fuliginosus*, *M. f. melanops* and *M. f. ocydromus*. *Australian Wildlife Research* **9**, 203-212.
- Poole, W. E., J. C. Merchant, S. M. Carpenter and J. H. Calaby. 1985. Reproduction, growth and age determination in the Yellow-footed Rock-wallaby *Petrogale xanthopus* Gray, in captivity. *Australian Wildlife Research* **12**, 127-136.
- Sadler, R. M. F. S. 1963. Age estimation by measurements of joeys of the euro *Macropus robustus* Gould in Western Australia. *Australian Journal of Zoology* **11**, 241-249.
- Sharman, G. B., H. J. Frith and J. H. Calaby. 1964. Growth of the pouch young, tooth eruption and age determination in the red kangaroo, *Megaleia rufa*. *Wildlife Research* **9**, 20-49.
- Shield, J. W. 1968. Reproduction of the quokka, *Setonix brachyurus*, in captivity. *Journal of Zoology, London* **155**, 427-444.
- Tate, G. H. H. 1948. Results of the Archbold Expeditions. No. 59. Studies on the anatomy and phylogeny of the Macropodidae (Marsupialia). *Bulletin of the American Museum of Natural History* **91**, 233-357.
- Winter, J. W. 1980. Tooth wear as an age index in a population of the brush-tailed possum, *Trichosurus vulpecula* (Kerr). *Australian Wildlife Research* **7**, 359-363

## 10.8 CHAPTER 9

- Cork, S. J. and W. J. Foley. 1991. Digestive and metabolic strategies of arboreal folivores in relation to chemical defenses in temperate and tropical forests. Pp. 133-166. In: *Plant defenses against mammalian herbivory*. Eds. R. T. Palo and C. T. Robbins. CRC Press, Boca Raton.
- Cork, S. J. and W. J. Foley. 1997. Digestive and metabolic adaptations of arboreal marsupials for dealing with plant antinutrients and toxins. Pp. 133-166. In: *Marsupial Biology: recent research, new perspectives*. Eds: Saunders, N. and L. Hinds. University of New South Wales Press, Sydney.
- Glander, K. E. 1977. Poison in a monkey's Garden of Eden. *Natural History* **86**, 35-41.
- Glander, K. E. 1978. Howling monkey feeding behavior and plant secondary compounds: a study of strategies. Pp. 561-574. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Hladik, C. M. 1978. Adaptive strategies of primates in relation to leaf-eating. Pp. 373-395. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Lawler, I. R., W. J. Foley, B. M. Eschler, D. M. Pass and K. Handasyde. 1998. Intraspecific variation in *Eucalyptus* secondary metabolites determines food intake by folivorous marsupials. *Oecologia* **116**, 160-169.
- Milton, K. 1978. Behavioral adaptations to leaf-eating by the Mantled Howler monkey (*Alouatta palliata*). Pp. 535-549. In: *The Ecology of Arboreal Folivores*. Ed: G. G. Montgomery. Smithsonian Institution Press, Washington, DC.
- Moore, B. D. and W. J. Foley. 2000. A review of feeding and diet selection in koalas (*Phascolarctos cinereus*). *Australian Journal of Zoology* **48**, 317-333.

- Newell, G. R. 1999. Home range and habitat use by Lumholtz's tree-kangaroo (*Dendrolagus lumholtzi*) within a rainforest fragment in north Queensland. *Wildlife Research* **26**, 129-145.
- Procter-Gray, E. 1985. *The behaviour and ecology of Lumholtz's tree-kangaroo, Dendrolagus lumholtzi (Marsupialia: Macropodidae)*. Ph.D. Thesis, Harvard University.
- Tree Kangaroo and Mammal Group. 2000. *Community survey of the distribution of Lumholtz's Tree-kangaroo*. Natural Heritage Trust.
- Umapathy, G. and A. Kumar. 2000. The occurrence of arboreal mammals in the rain forest fragments in the Anamalai Hills, south India. *Biological Conservation* **92**, 311-319.