

## REFERENCES

- ACOCKS, J.P.H. 1953. Veld types of South Africa. *Mem. Bot. Surv. S. Africa* 28: 1-192. Govt. Printer, Pretoria.
- AKÇAKAYA, H.R. 1992. Population cycles of mammals: evidence for a ratio-dependent hypothesis. *Ecological Monographs* 62: 119-142.
- ALEXANDER, G. 1964. Lamb survival: physiological considerations. *Proc. Aust. Soc. Anim. Prod.* 5: 113-122.
- ALFORD, J.R. & BOLEN, E.G. 1972. A note on golden eagle talon wounds. *Wilson Bull.* 84: 487-489.
- ALI, S. & RIPLEY, S.D. 1969. *Handbook of the birds of India and Pakistan*. Oxford University Press, Bombay.
- ALLAN, D.G. 1984. Black eagles in the Magaliesberg. *Bokmakierie* 36: 55-57.
- ALLAN, D.G. 1987. Report on bustard research done at the Karoo National Park in November 1987. Unpubl. mimeograph, Percy Fitzpatrick Institute, University of Cape Town.
- ALLAN, D.G. 1988. Breeding success, nest spacing and territory size of black eagles in the Magaliesberg, South Africa. *Gabar* 3: 76-81.
- ALLAN, D.G. 1989. Strychnine poison and the conservation of avian scavengers in the Karoo, South Africa. *S. Afr. J. Wildl. Res.* 19: 102-106.
- ALLARDICE, R. & ERASMUS, R. 1989. Problem animal control: black eagle *Aquila verreauxii*. W. Fourie, Perdebond. Unpubl. mimeograph, January 1989, Report to the Director, Cape Dept. Nat. Environ. Cons., Cape Town. 4pp.
- ALLEN, P.M. 1976. Evolution, population dynamics, and stability. *Proc. Nat. Acad. Sci. USA* 73: 665-668.
- AMBROSE, H.W. 1972. Effect of habitat familiarity and toe clipping on rate of owl predation in *Microtus pennsylvanicus*. *J. Mammal.* 53: 909-912.
- ANDREWS, P. 1990. *Owls, caves and fossils*. Natural History Museum Publications, London.
- ANDREWS, R.D. & BOGGESS, E.K. 1978. Ecology of coyotes in Iowa. pp. 249-265. In: *Coyotes - biology, behavior, and management*, (ed.) M. Bekoff, Academic Press, New York.
- ANGERBJÖRN, A. 1983. Reliability of pellet counts as density estimates of mountain hares. *Finn. Game Res.* 41: 13-20.
- ANGERBJÖRN, A. 1989. Mountain hare populations on islands: effects of predation by red fox. *Oecologia* 81: 335-340.
- ANON. 1965. Annual report for 1964-65 from the Wool Research Laboratory, Agricultural Research Station, Trangie, N.S.W.
- ANON. 1968. Agricultural research in the south-east of South Australia and adjacent areas of Victoria. C.S.I.R.O. Aust., Melbourne.
- ANON. 1970. *The Edinburgh world atlas*. John Bartholomew & Son Ltd., Edinburgh. 159pp.
- ANON. 1985. *Agriculture in R.S.A.* Dept. Agric., Pretoria.
- ANON. 1987. *Eagles and farmers*, (ed.) D. Butchart, Endangered Wildl. Trust & S. Afr. Ornithol. Soc., Johannesburg. 29pp.
- ANON. 1992a. Minutes of Cockscomb Farmers Association open day, Kleinpoort August 1992, unpubl. mimeograph.
- ANON. 1992b. Quarterly estimates of livestock numbers. August 1992. Dept. Agric., Pretoria.
- ANSELL, W.F.H. 1960. *Mammals of Northern Rhodesia*. Lusaka: Government Printer.
- ARDITI, R. & SAÏAH, H. 1992. Empirical evidence of the role of heterogeneity in ratio-dependent consumption. *Ecology* 73: 1544-1551.
- ARMENTROUT, D. 1980. Environmental viewpoint. pp. 6-9. In: Proc. of the Predator Control Summit. Texas Dep. Agric., Austin, Texas.
- ARMITAGE, K.B. 1987. Do female yellow-bellied marmots adjust the sex ratios of their offspring. *Am. Nat.* 129: 501-519.
- ARNOLD, L.W. 1954. *The golden eagle and its economic status*. U.S. Fish & Wildl. Serv. Circular 27. 55pp.
- EVERY, D.M. 1992. Ecological data on micromammals collected by barn owls *Tyto alba* in the West Coast National Park, South Africa. *Israel J. Zool.* 38: 385-397.
- BAILEY, V.A., NICHOLSON, A.J. & WILLIAMS, E.J. 1962. Interaction between hosts and parasites when some host individuals are more difficult to find than others. *J. theor. Biol.* 3: 1-18.
- BAKKER, R.T. 1983. The deer flees, the wolf pursues: incongruencies in predator-prey coevolution. pp. 350-382. In: *Coevolution*, (eds.) D.J. Futuyma & M. Slatkin, Sinauer Associates Inc., Sunderland, Massachusetts. 555pp.
- BALLAM, J.M. 1984. The use of soaring by the red-tailed hawk (*Buteo jamaicensis*). *Auk* 101: 519-524.
- BALLARD, W.B., WHITMAN, J.S. & GARDNER, C.L. 1987. Ecology of an exploited wolf population in south-central Alaska. *Wildl. Monogr.* 98: 54pp.
- BALLARD, W.B., WHITMAN, J.S. & REED, D.J. 1990. Population dynamics of moose in south-central Alaska. *Wildl. Monogr.* 114: 49pp.
- BALSER, D.S. 1974. An overview of predator-livestock problems with emphasis on livestock losses. *Trans. N. Am. Wildl. Nat. Resour. Conf.* 39: 292-300.
- BANFIELD, A.W.F. 1947. A study of the winter feeding habits of the short-eared owl (*Asio flammeus*) in the Toronto region. *Can. J. Res.* 25D: 45-65.
- BARASH, D.P. 1974. The evolution of marmot societies: a general theory. *Science* 185: 415-420.
- BEACHAM, T.D. 1979. Selectivity of avian predation in declining populations of the vole *Microtus townsendii*. *Can. J. Zool.* 57: 1767-1772.
- BEDNARZ, J.C. 1988. Cooperative hunting in Harris' hawks (*Parabuteo unicinctus*). *Science* 239: 1525-1527.
- BEECHAM, J.J. & KOCHERT, M.N. 1975. Breeding biology of the golden eagle in southwestern Idaho. *Wilson Bulletin* 87: 506-513.
- BERGO, G. 1987. Eagles as predators on livestock and deer. *Fauna Norvegica Series C.* 10:95-102.
- BERGERUD, A.T., WYETT, W. & SNIDER, B. 1983. The role of wolf predation in limiting a moose population. *J. Wildl. Mgmt* 47: 977-988.
- BERRYMAN, A.A. 1992. The origins and evolution of predator-prey theory. *Ecology* 73: 1530-1535.

- BERTRAM, B.C.R. 1978. Living in groups: predators and prey. pp 64-96 In: *Behavioural Ecology, an Evolutionary Approach*, (eds.) J.R. Krebs & N.B. Davies, Blackwell, Oxford. 494pp..
- BEYNON, P. & RASA, O.A.E. 1989. Do dwarf mongooses have a language?: warning vocalisations transmit complex information. *S. Afr. J. Sci.* 85: 447-450.
- BIGALKE, R.C. 1970. Observations on springbok populations. *Zool. Afr.* 5: 59-70.
- BIRD, D.M. & HO, S.K. 1976. Nutritive values of whole animal diets for captive birds of prey. *Raptor Res.* 10: 45-49.
- BLANCO, J.C. & HIRALDO, F. 1991. On the influence of the red kite (*Milvus milvus* L.) on the small game in a mediterranean area of southern Spain. In: *Global Trends in Wildlife Management* (Trans. 18<sup>th</sup> Int. Union Game Biol. Congr.). Vol. 2, (eds.) .B. Bobek, K. Perzanowski & W.L. Regelin, Swiat Press, Kraków - Warszawa.
- BLOM, C.D. 1981. Group classification of karoo plants. Agricultural Research Institute for the Karoo region, Grootfontein Agricultural College, Middelberg, Cape Province. 18pp.
- BOEKER, E.L. & RAY, T.D. 1972. Golden eagle population studies in the south west. *Condor* 73: 463-467.
- BOGGESS, E.K., ANDREWS, R.D. & BISHOP, R.A. 1978. Domestic animal losses to coyotes and dogs in Iowa. *J. Wildl. Mgmt* 42: 362-372.
- BOLEN, E.G. 1975. Eagles and sheep: a viewpoint. *J. Range Mgmt* 28: 11-17.
- BORTOLOTTI, G.R. 1984. Trap and poison mortality of golden and bald Eagles. *J. Wildl. Mgmt* 48: 1173-1180.
- BOSHOFF, A.F. 1978. A distribution, status and feeding habit survey of the larger birds of prey and vultures in the Cape Province. Unpubl. Res. Rep. Cape Dept. Nat. Environ. Cons., Cape Town.
- BOSHOFF, A.F. 1980. Some socio-economic aspects of a bird of prey questionnaire survey. *S. Afr. J. Wildl. Res.* 10: 71-81.
- BOSHOFF, A.F. & FABRICIUS, C. 1986. Black eagles nesting on man-made structures. *Bokmakierie* 38: 67-70.
- BOSHOFF, A.F. & PALMER, N.G. 1980. Macro-analysis of prey remains from martial eagle nests in the Cape Province. *Ostrich* 51: 7-13.
- BOSHOFF, A.F. & PALMER, N.G. 1988. Black eagle nest spacing and estimated territory size in a karoo habitat. *S. Afr. J. Wildl. Res.* 18: 67-69.
- BOSHOFF, A.F., PALMER, N.G. & AVERY, G. 1990. Regional variation in the composition, diversity and species richness of martial eagle prey in the Cape Province. *S. Afr. J. Wildl. Res.* 20: 57-68.
- BOSHOFF, A.F., PALMER, N.G., AVERY, G., DAVIES, R.A.G. & JARVIS, M.J.F. 1991. Biogeographical and topographical variation in the prey of the black eagle in the Cape Province, South Africa. *Ostrich* 62: 59-72.
- BOSHOFF, A.F., ROUS, R.C. & VERNON, C.J. 198. Prey of the tawny eagle in the Colesburg district, Cape Province. *Ostrich* 52: 187-188.
- BOSHOFF, A.F. & VERNON, C.J. 1980. The distribution and status of some eagles in the Cape Province. *Ann. Cape Prov. Mus. (Nat. Hist.)* 13(9): 106-132.
- BOSHOFF, A.F. & VERNON, C.J. 1988. The translocation and homing ability of problem eagles. *S. Afr. J. Wildl. Res.* 18: 38-40.
- BOTHA, J.P. 1939. Verteerbaarheid en voedingswaarde van karooeiplante. *Fmg S. Afr.* 54.
- BOTHMA, J. du P. 1965. Random observations on the food habits of certain *Carnivora* (*Mammalia*) in southern Africa. *Fauna & Flora (Pretoria)* 16: 16-22.
- BOTHMA, J. du P. 1971. Order Hyracoidea. In: *The Mammals of Africa, an Identification Manual*, (eds.) J. Meester & H.W. Setzer, Smithsonian Institution Press, Washington.
- BOUTIN, S. 1992. Predation and moose population dynamics: a critique. *J. Wildl. Mgmt* 56: 116-127.
- BOWEN, P. 1970. Some observations of the Cape Vulture. *Afr. Wildl.* 24: 125-128.
- BOWNS, J.E., DAVENPORT, J.W., WORKMAN, J.F., NIELSON, D.B. & DWYER, D.D. 1973. Determination of cause and magnitude of sheep losses in south-western Utah. *Utah Sci.* 34: 34-37, 52.
- BRANCH, B. 1988. Field guide to the snakes and other reptiles of southern Africa. Struik Publishers, Cape Town. 326pp.
- BRAND, D.J. 1989. Die beheer van rooikatte (*Felis caracal*) en bobbejane (*Papio ursinus*) in Kaapland met behulp van meganiese metodes. M.Sc. thesis, University of Stellenbosch.
- BRAND, D.J. 1992. The use of lithium-chloride as a predation aversion agent for problem eagles in the Cape Province and Orange Free State, South Africa. *Gabar* 7: 51-55.
- BRANFIELD, A. 1990. Avian prey of black eagles. *Gabar* 5: 26.
- BRETT, L.P., HANKINS, W.G. & GARCIA, J. 1976. Prey-lithium aversions. III: *Buteo* hawks. *Behav. Biol.* 17: 87-98.
- BROOKER, M.G. 1974. Field observations of the behaviour of the wedge-tailed eagle. *Emu* 74: 39-42.
- BROOKER, M.G. & RIDPATH, M.G. 1980. The diet of the wedge-tailed eagle *Aquila audax* in western Australia. *Aust. Wildl. Res.* 7: 433-452.
- BROWER, L.P. 1969. Ecological chemistry. *Sci. Am.* 220: 22-29.
- BROWER, L.P. 1984. Chemical defence in butterflies. pp. 109-134. In: *The Biology of Butterflies*, (eds.) R.I. Vane-Wright & P.R. Ackery, Academic Press, London.
- BROWER, L.P. RYERSON, W.N., COPPINGER, L.L. & GLAZIER, S.C. 1968. Ecological chemistry and the palatability spectrum. *Science* 161: 1349-1351.
- BROWN, C.J. 1988a. Scavenging raptors on farmland. *Afr. Wildl.* 42: 103-105.
- BROWN, C.J. 1988b. Home ranges of black eagles in the Natal Drakensberg. *S. Afr. J. Wildl. Res.* 18: 120-125.
- BROWN, C.J. 1988c. A study of the bearded vulture *Gypaetus barbatus* in southern Africa. Ph.D. thesis, University of Natal, Pietermaritzburg.
- BROWN, C.J. 1991. Declining martial *Polemaetus bellicosus* and tawny *Aquila rapax* eagle populations and causes of mortality on farmlands in central Namibia. *Biological Conservation* 56: 49-62.
- BROWN, C.J. & PLUG, I. 1990. Food choice and diet of the bearded vulture *Gypaetus barbatus* in southern Africa. *S. Afr. J. Zool.* 25: 169-177.
- BROWN, D. 1975. A test of randomness of nest spacing. *Wildfowl* 26: 102-103.
- BROWN, D. & ROTHERY, P. 1978. Randomness and local regularity of points in a plane. *Biometrika* 65: 115-122.

- BROWN, J.E. 1976. Field criteria for predator damage assessment. *Utah Sci.* 37: 26-30.
- BROWN, J.L. 1964. The evolution of diversity in avian territorial systems. *Wilson Bull.* 70: 160-169.
- BROWN, L.H. 1952. On the biology of the large birds of prey of Embu district, Kenya Colony. *Ibis* 94: 577-620, and 95: 74-114.
- BROWN, L.H. 1955. Supplementary notes on the biology of the large birds of prey of Embu district, Kenya Colony. *Ibis* 97: 38-64, 183-221.
- BROWN, L.H. 1966. Observations on some Kenya eagles. *Ibis* 108: 531-572.
- BROWN, L.H. 1970. *African Birds of Prey*. Houghton Mifflin Company, Boston. 320pp.
- BROWN, L.H. 1975. Brown on golden eagles and sheep. In: *Population Status of Raptors*, (eds.) Murphy, J.R. et al., *Raptor Research Report* 3: 129-133.
- BROWN, L.H. 1976. *Eagles of the World*. Purnell, London. 224pp.
- BROWN, L.H. & AMADON, D. 1968. *Eagles, hawks and falcons of the world*. McGraw-Hill, New York. 945pp.
- BROWN, L.H., URBAN, E.K. & NEWMAN, K. 1982. *The Birds of Africa*. Vol. 1. Academic Press, London.
- BROWN, L.H. & WATSON, A. 1964. The golden eagle in relation to its food supply. *Ibis* 106: 78-100.
- BROWN, R.N., SOUTHWICK, C.H. & GOLIAN, S.C. 1989. Male-female spacing, territorial replacement, and the mating system of pikas (*Ochotona princeps*). *J. Mammal.* 70: 622-627.
- BRUNS, E.H. 1970. Winter predation of golden eagles and coyotes on pronghorn antelope. *Can. Field Nat.* 84: 301-304.
- BULMER, M.J. 1974. A statistical analysis of the 10-year cycle in Canada. *J. Anim. Ecol.* 43: 701-718.
- BURGESS, D. 1963. Carrion crows in northern England. *Agriculture, Lond.* 70: 126-129.
- BURGHARDT, G.M. & HESS, E.H. 1966. Food imprinting in the snapping turtle, *Chelydra serpentina*. *Science* 151: 108-109.
- BURNHAM, K.P., ANDERSON, D.R. & LAAKE, J.L. 1980. Estimation of density from line transect sampling of biological populations. *Wildl. Monogr.* 72: 8-202.
- BURNS, R.J. 1983a. Coyote predation aversion with lithium chloride: Management implications and comments. *Wildl. Soc. Bull.* 11: 128-133.
- BURNS, R.J. 1983b. Microencapsulated lithium chloride bait aversion did not stop coyote predation on sheep. *J. Wildl. Mgmt* 47: 1010-1017.
- BURNS, R.J. & CONNOLLY, G.E. 1980. Lithium chloride bait aversion did not influence prey killing by coyotes. *Vert. Pest Control Conf.* 9: 200-204.
- BYERS, C.R., STEINHORST, R.K. & KRAUSMAN, P.R. 1984. Clarification of a technique for analysis of utilization-availability data. *J. Wildl. Mgmt* 48: 1050-1053.
- CALABY, J.H. 1951. Notes on the little eagle; with particular reference to rabbit predation. *Emu* 51: 33-56.
- CARLQUIST, S. 1965. *Island Life*. New York Natural History Press, New York.
- CARO, T.M. & FITGIBBON, C.D. 1992. Large carnivores and their prey: the quick and the dead. pp. 117-142. In: *Natural Enemies, the Population Biology of Predators, Parasites and Diseases*. Ed. M.J. Crawley. Blackwell Scientific Publications, Oxford. 576pp.
- CAUGHLEY, G. 1977. *Analysis of vertebrate populations*. John Wiley, London. 235pp.
- CDNEC. undated. Bird of Prey Survey - A summary of results from a research project by the Department of Nature and Environmental Conservation, Cape Provincial Administration. 9pp.
- CHENEY, C.D., VANDER WALL, S.B. & POEHLMANN, R.J. 1987. Effects of strychnine on the behavior of great horned owls and red-tailed hawks. *J. Raptor Res.* 21: 103-110.
- CHENEY, D.L. & SEYFARTH, R.M. 1985. Vervet monkey alarm calls: manipulation through shared information? *Behaviour* 94: 150-166.
- CHITTY, D. 1938. A laboratory study of pellet formation in the short-eared owl (*Asio flammeus*). *Proc. Zool. Soc., Lond.* 108A: 267-287.
- CHITTY, D. 1960. Population processes in the vole and their relevance to general theory. *Can. J. Zool.* 38: 99-113.
- CHRISTIAN, J.J. 1950. The adreno-pituitary system and population cycles in mammals. *J. Mammal.* 31: 247-259.
- CLARK, A.B. 1978. Sex ratio and local resource competition in a prosimian primate. *Science* 201: 163-165.
- CLUTTON-BROCK, T.H. 1985. Birth sex ratios and the reproductive success of sons and daughters. pp. 221-225. In: *Evolution: essays in honour of John Maynard Smith*, (eds.) P.J. Greenwood, P.H. Harvey, and M. Slatkin, Cambridge University Press, Cambridge.
- CLUTTON-BROCK, T.H., MAJOR, M. & GUINNESS, F.E. 1985. Population regulation in male and female red deer. *J. Anim. Ecol.* 54: 831-846.
- CLUVER, M.A. 1978. *Fossil reptiles of the South African Karoo*. South African Museum, Cape Town. 54pp.
- CODY, M.L. & CODY, C.B.J. 1972. Areal versus lineal territories in the wren, *Troglodytes troglodytes*. *Condor* 74: 477-478.
- COE, M.J. 1962. Notes on the habits of the Mount Kenya hyrax (*Procavia johnstoni mackinderi* Thomas). *Proc. Zool. Soc. Lond.* 138: 639-645.
- COLLOPY, M.W. 1980. Food consumption and growth energetics of nestling golden eagles. Ph.D. thesis, University of Michigan. 202pp.
- COLLOPY, M.W. 1983a. Foraging behavior and success of golden eagles. *Auk* 100: 747-749.
- COLLOPY, M.W. 1983b. A comparison of direct observations and collection of prey remains in determining the diet of golden eagles. *J. Wildl. Mgmt* 47: 360-368.
- COLLOPY, M.W. 1984. Parental care and the feeding ecology of golden eagle nestlings. *Auk* 101: 753-760.
- COLLOPY, M.W. 1986. Food consumption and growth energetics of nestling golden eagles. *Wilson Bull.* 98: 445-458.
- COLLOPY, M.W. & EDWARDS, T.C. (jnr.) 1989. Territory size, activity budget, and role of undulating flight in nesting golden eagles. *J. Field Ornithol.* 60: 43-51.
- CONNOLLY, G.E. 1978. Predator control and coyote populations: a review of simulation models. pp. 327-345. In: *Coyotes - biology, behavior, and management*, (ed.) M. Bekoff, Academic Press, New York.

- CONWRIGHT-SCHREINER, S.C. 1925. *The migratory springbucks of South Africa*. Fisher Unwin, London.
- COOPER, A.B. 1969. Golden eagle kills red deer calf. *J. Zool. (Lond.)* 158: 215-216.
- COTTRELL, J.A. 1970. *Black eagle fly free*. Purnell & Sons, Cape Town.
- COWAN, D.P. 1987. Aspects of the social organisation in the European wild rabbit. *Ethol.* 75: 197-210.
- COWAN, D.P. & BELL, D.J. 1986. Leporid social behaviour and social organization. *Mammal Rev.* 16: 169-179.
- COWDEN, J. 1969. Adventures with South Africa's black eagles. *Nat. Geogr.* 136: 532-543.
- COWLING, R.M. 1986. A description of the karoo biome project. *S. Afr. Nat. Sci. Prog. Report No. 122*. CSIR, Pretoria. 43pp.
- CRAIGHEAD, F.C., Jr., & CRAIGHEAD, J.J. 1956. *Hawks, owls, and wildlife*. Stackpole Co., Harrisburg, and Wildlife Management Institute, Washington. 443pp.
- CRAMP, S. & SIMMONS, K.E.L. (Eds.) 1980. *Handbook of the birds of Europe, the Middle East and North Africa. The birds of the western Palearctic. Vol II. Hawks to Bustards*. Oxford University Press.
- CRAWLEY, M.J. (Ed.) 1992. *Natural Enemies - The Population Biology of Predators, Parasites and Diseases*. Blackwell, Oxford. 576pp.
- CRÉTE, M., TAYLOR, R.J. & JORDAN, P.A. 1981. Optimization of moose harvest in southwestern Québec. *J. Wildl. Mgmt* 45: 598-611.
- CURIO, E. 1976. *The Ethology of Predation*. Springer-Verlag, Berlin.
- DAVENPORT, J.W., BOWNS, J.E., WORKMAN, J.P. & NIELSEN, D.B. 1973. Assessment of sheep losses. pp. 3-17. In: *Final Report to the Four Corners Regional Commission on Predator Control study*, (ed.) F.H. Wagner, Utah State Univ., Logan. 47pp.
- DAVIES, H.L. 1964. Lamb losses in south-western Australia. *Proc. Aust. Soc. Anim. Prod.* 5: 107-112.
- DAVIES, R.A.G. 1985. A comparison of springbok *Antidorcas marsupialis* and Merino sheep *Ovis aries* on karoo veld. M.Sc. thesis, University of Pretoria.
- DAVIES, R.A.G. 1988. Problem eagles and conservation solutions. *Gabar* 3: 60-66.
- DAVIES, R.A.G. 1989. Predation attempt by booted eagle on juvenile rock dassie. *Gabar* 4: 18-19.
- DAVIES, R.A.G. & SKINNER, J.D. 1986. Spatial utilisation of an enclosed area of the Karoo by springbok *Antidorcas marsupialis* and Merino sheep *Ovis aries* during drought. *Trans. Roy. Soc. S. Afr.* 46: 115-132.
- DAVIES, R.A.G. & VOGEL, J.C. 1992. Radiocarbon dating of sticks from a black eagle nest in the Karoo, South Africa. *Gabar* 7: 24-25.
- DAVIS, D.E. (Ed.) 1982. *CRC handbook of census methods for terrestrial vertebrates*. CRC Press, Boca Raton, Florida.
- DAWKINS, R. & KREBS, J.R. 1979. Arms races between and within species. *Proc. R. Soc. Lond.* 205: 489-511.
- DE GRAAFF, G., ROBINSON, G.A., VAN DER WALT, P.T., BRYDEN, B.R. & VAN DER HOVEN, E.A. 1979. *The Karoo National Park, Beaufort West*. National Parks Board, Pretoria.
- DENNIS, S.M. 1969. Predators and perinatal mortality of lambs in western Australia. *Aust. vet. J.* 45: 6-9.
- DICKMAN, C.R. 1992. Predation and habitat shift in the house mouse, *Mus domesticus*. *Ecology* 73: 313-322.
- DIJKSTRA, C., DAAN, S. & BUKER, J.B. 1990. Adaptive seasonal variation in the sex ratio of kestrel broods. *Functional Ecology* 4: 143-147.
- DIXON, J.B. 1937. The golden eagle in San Diego County California. *Condor* 39: 49-56.
- DONÁZAR, J.A. & CEBALLOS, O. 1989. Selective predation by eagle owls *Bubo bubo* on rabbits *Oryctolagus cuniculus*: Age and sex preferences. *Ornis scandinavica* 20: 117-122.
- DORRANCE, M.J. & ROY, L.D. 1976. Predation losses of domestic sheep in Alberta. *J. Range Mgmt* 29: 457-460.
- DOWNHOWER, J.F. & ARMITAGE, K.B. 1971. The yellow-bellied marmot and the evolution of polygamy. *Am. Nat.* 105: 355-370.
- DRENT, R.H., EBBINGE, B. & WEIJAND, B. 1978. Balancing the energy budgets of arctic-breeding geese throughout the annual cycle: a progress report. *Verhandlungen Ornithologisches Gesellschaft Bayern* 23: 239-264.
- DUMKE, R.T. & PILS, C.M. 1973. Mortality of radio-tagged pheasants on the Waterloo wildlife area. *Dept. Nat. Res., Wisconsin. Tech. Bull.* 72: 1-52.
- DUNN, E. 1977. Predation by weasels *Mustela nivalis* on breeding tits (*Parus* spp.) in relation to the density of tits and rodents. *J. Anim. Ecol.* 46: 633-652.
- EARLY, J.O., ROETHELI, J.C. & BREWER, G.R. 1974a. An economic study of predation in the Idaho range sheep industry, 1970-71 production cycle. *Idaho Agric. Exp. Stn., Prog. Rep.* 182. 49pp.
- EARLY, J.O., ROETHELI, J.C. & BREWER, G.R. 1974b. An economic study of predation in the Idaho range sheep industry, 1972-73. *Idaho Agric. Exp. Stn., Prog. Rep.* 186. 45pp.
- EBENHARD, T. 1988. Introduced birds and mammals and their ecological effects. *Swed. Wildl. Res.* 13: 1-107.
- EBERHARDT, L.L. 1968. A preliminary appraisal of line transects. *J. Wildl. Mgmt* 32: 82-88.
- EDMINSTER, F.C. 1939. The effect of predator control on ruffed grouse populations in New York. *J. Wildl. Mgmt* 3: 345-352.
- ELLIS, D.H. 1979. Development of behavior in the golden eagle. *Wildl. Monogr.* 70: 3-94.
- ELLIS, F. & LAMBRECHTS, J.J.N. 1986. Soils. pp. 18-38, In: *The karoo biome: a preliminary synthesis. Part 1 - physical environment*, (eds.) R.M. Cowling, P.W. Roux & A.J.H. Pieterse, *S. Afr. Nat. Sci. Prog. Report No. 124*. 115pp.
- ELTON, C. S. 1927. *Animal Ecology*. Sidgwick & Jackson, London.
- ELTON, C.S. & NICHOLSON, M. 1942. The ten-year cycle in numbers of lynx in Canada. *J. Anim. Ecol.* 11: 215-244.
- EMLÉN, S.T. & ORING, L.W. 1977. Ecology, sexual selection, and the evolution of mating systems. *Science* 197: 215-223.
- ENDERSON, J.H., TEMPLE, S.A. & SWARTZ, L.G. 1972. Time-lapse photographic records of nesting peregrine falcons. *Living Bird* 11: 113-128.
- ENG, R.L. & GULLIAM, G.W. 1962. The predation of goshawks on ruffed grouse on the Cloquet Forest Research Center, Minnesota. *Wilson Bull.* 74: 227-242.
- ERLINGE, S. 1987. Predation and noncyclicality in a microtine population in southern Sweden. *Oikos* 50: 347-352.

- ERLINGE, S., GORANSSON, G., HANSSON, L., HOGSTEDT, G., LIBERG, O., NILSSON, I.N., NILSSON, T., VON SCHANTZ, T. & SYLVEN, M. 1983. Predation as a regulating factor on small rodent populations in southern Sweden. *Oikos* 40: 36-52.
- ERLINGE, S., GORANSSON, G., HOGSTEDT, G., JANSSON, G., LIBERG, O., LOMAN, J., NILSSON, I.N., VON SCHANTZ, T. & SYLVEN, M. 1984. Can vertebrate predators regulate their prey? *Am. Nat.* 123: 125-133.
- ERLINGE, S., GORANSSON, G., HOGSTEDT, G., JANSSON, G., LIBERG, O., LOMAN, J., NILSSON, I.N., VON SCHANTZ, T. & SYLVEN, M. 1988. More thoughts on vertebrate predator regulation of prey. *Am. Nat.* 132: 148-154.
- ERRINGTON, P.L. 1946. Predation and vertebrate populations. *Quart. Rev. Biol.* 21: 144-177.
- ERRINGTON, P.L. 1963. The phenomenon of predation. *Am. Scient.* 51: 180-192.
- FAIRALL, N. 1980. Growth and age determination in the hyrax *Procavia capensis*. *S. Afr. J. Zool.* 15: 16-21.
- FAIRALL, N. 1991. Factors affecting the dynamics of hyrax populations. *Proc. XX<sup>th</sup> Congr. Int. Union Game Biol.*, (Gödöllő, Hungary), part 1: 372-377.
- FAIRALL, N., VERMEULEN, P. & VAN DER MERWE, M. 1986. A general model of population growth in the hyrax, *Procavia capensis*. *Ecological Modelling* 34: 115-132.
- FARRELL, P.J. & WOOD, A.J. 1968. The nutrition of the female mink (*Mustela vison*). III. The water requirement for maintenance. *Can. J. Zool.* 46: 53-56.
- FARROW, E.P. 1917. On the ecology of the vegetation of Breckland. *J. Ecol.* 5: 1-18.
- FEVOLD, H.R. & CRAIGHEAD, J.J. 1958. Food requirements of the golden eagle. *Auk* 75: 312-317.
- FILONOV, K.P. 1989. *Ungulates and large predators in wildlife reserves*. (in Russian) Nauka, Moskva.
- FITZGERALD, B.M. 1977. Weasel predation on a cyclic population of the montane vole (*Microtus montanus*) in California. *J. Anim. Ecol.* 46: 367-397.
- FITZGIBBON, C.D. 1990. Anti-predator strategies of immature Thomson's gazelles: hiding and the prone response. *Anim. Behav.* 40: 846-855.
- FITZGIBBON, C.D. & FANSHAWE, J. 1989. The condition and age of Thomson's gazelles killed by cheetahs and wild dogs. *J. Zool.* 218: 99-107.
- FLANDERS, S.E. 1948. A host-parasite community to demonstrate balance. *Ecology* 29: 123.
- FLANDERS, S.E. & BADGLEY, M.E. 1963. Prey-predator interactions in self-balanced laboratory populations. *Hilgardia* 35: 145-183.
- FLUX, J.E.C. 1970. Life history of the mountain hare (*Lepus timidus scoticus*) in north-east Scotland. *J. Zool., Lond.* 161: 75-123.
- FORRESTER, J.W. 1968. *Principles of Systems*. Wright-Allen Press, Cambridge, MA. 210pp.
- FOSTER, H.A. & CRISLER, R.E. 1979. Evaluation of golden eagle predation on domestic sheep, Temperance Creek - Snake sheep and goat allotment, Hell's Canyon National Recreation Area, Oregon. U.S. Fish and Wildlife Services, Animal Damage Control Programme (unpubl. mimeograph) 16pp.
- FOURIE, L.J. 1983. The population dynamics of the rock hyrax *Procavia capensis* (Pallas, 1766) in the Mountain Zebra National Park. Ph.D. thesis, Rhodes University, Grahamstown.
- FOURIE, L.J. & PERRIN, M.R. 1986. Effective methods of trapping and marking rock hyrax. *S. Afr. J. Wildl. Res.* 16: 58-61.
- FOURIE, L.J. & PERRIN, M.R. 1987a. Some new data on the reproductive biology of the rock hyrax. *S. Afr. J. Wildl. Res.* 17: 118-122.
- FOURIE, L.J. & PERRIN, M.R. 1987b. Social behaviour and spatial relationships of the rock hyrax. *S. Afr. J. Wildl. Res.* 17: 91-98.
- FOURIE, P.B. 1977. Acoustic communication in the rock hyrax, *Procavia capensis*. *Z. Tierpsychol.* 44: 194-219.
- FRASER, M.W. 1985. Black eagles (R133) dropping tortoise. *Promerops* 168: 9-10.
- FRENCH, N.R. & HEASLEY, J.E. 1981. Lagomorphs in the shortgrass prairie. pp. 695-705. In: *Proceedings of the world lagomorph conference*, (eds.) K. Myers & C.D. MacInnes, University of Guelph, Guelph.
- FRERE, P.J. 1982. Verreaux's eagle *Aquila verreauxii* eating carrion. *Scopus* 6: 101.
- FULLER, T.K. & KEITH, L.B. 1980. Wolf population dynamics and prey relationships in northeastern Alberta. *J. Wildl. Mgmt* 44: 583-602.
- FUTUYMA, D.J. & SLATKIN, M. (Eds.). 1983. *Coevolution*. Sinauer Associates Inc., Sunderland, Massachusetts. 555pp.
- GARGETT, V. 1971. Some observations on black eagles in the Matopos, Rhodesia. *Ostrich* supplement 9: 91-124.
- GARGETT, V. 1972. Observations at a black eagle's nest in the Matopos, Rhodesia. *Ostrich* 43: 77-108.
- GARGETT, V. 1975. The spacing of black eagles in the Matopos, Rhodesia. *Ostrich* 46: 1-44.
- GARGETT, V. 1977. A 13-year population study of the black eagles in the Matopos, Rhodesia, 1964-1976. *Ostrich* 48: 17-27.
- GARGETT, V. 1978. Black eagles in protected and unprotected habitats. pp. 96-102. In: *Proceedings of the Symposium on African Predatory Birds*. Northern Transvaal Ornithological Society, Pretoria.
- GARGETT, V. 1980. The black eagles of the Matopos. *Zimbabwe Science News*. 14: 155-159.
- GARGETT, V. 1982a. The food requirement of a black eagle chick. *Ostrich* 53: 178-181.
- GARGETT, V. 1982b. Synchronous hatching and the Cain and Abel struggle in the black eagle. *Ostrich* 53: 147-150.
- GARGETT, V. 1984. The activities and behaviour of black eagle pairs in the Matopos, Zimbabwe. *Proc V<sup>th</sup> Pan-Afr. Ornithol. Congr.*: 689-705.
- GARGETT, V. 1990. *The black eagle, a study*. Acorn Books & Russel Friedman Books, Johannesburg. 279pp.
- GARGETT, V. 1993. Territory boundaries and occupancy and related behaviours of black eagles (*Aquila verreauxii*) in the Matobo Hills. Report to Department of National Parks and Wildlife Management, Zimbabwe, January 1993, (unpubl. mimeograph), 142pp.
- GARGETT, V. & GROBLER, J.H. 1976. Prey of the Cape eagle owl *Bubo capensis mackinderi* Sharpe, 1899, in the Matopos, Rhodesia. *Arnoldia (Rhodesia)* 8: 1-7.

- GASSAWAY, W.C., BOERTJE, R.D., GRANGAARD, D.V., KELLEYHOUSE, D.G., STEPHENSON, R.O. & LARSEN, D.G. 1992. The role of predation in limiting moose at low densities in Alaska and Yukon and implications for conservation. *Wildl. Monogr.* 120: 5-59.
- GASSAWAY, W.C., STEPHENSON, R.O., DAVIS, J.L., SHEPHERD, P.E.K. & BURRIS, O.E. 1983. Interrelationships of wolves, prey, and man in interior Alaska. *Wildl. Monogr.* 84: 1-50.
- GAUSE, G.F. 1934. *The struggle for existence*. The Williams and Wilkins Co., Baltimore.
- GEE, C.K., MAGLEBY, R.S., BAILEY, W.R., GUM, R.L. & ARTHUR, L.M. 1977. Sheep and lamb losses to predators and other causes in the western United States. U.S.D.A. Agr. Econ. Rep. 369.
- GEER, T.A. 1981. Factors affecting the delivery of prey to nestling sparrowhawks (*Accipiter nisus*). *J. Zool., Lond.* 195: 71-80.
- GEORGE, W. & CROWTHER, G. 1981. Space partitioning between two small mammals in a rocky desert. *Biol. J. Linn. Soc.* 15: 195-200.
- GIBB, J. 1981. What determines the numbers of small herbivorous mammals. *N. Z. J. Ecol.* 4: 73-77.
- GLOVER, F.A. & HEUGLY, L.G. 1970. Golden eagle ecology in West Texas. Final report to Natl. Audubon Soc. Colorado Co-operative Wildl. Res. Unit, Fort Collins. 84pp.
- GOLLEY, F.B., PETRIDES, G.A., RAUBER, E.L. & JENKINS, J.H. 1965. Food intake and assimilation by bobcats under laboratory conditions. *J. Wildl. Mgmt* 29: 442-447.
- GORANSSON, G. 1975. Duvhokens *Accipiter gentilis* betydelse for vinterdodligheten hos fasaner *Phasianus colchicus*. *Anser* 14: 11-22.
- GREEN, M.J.B. 1987. Scent marking in the Himalayan musk deer (*Moschus chrysogaster*). *J. Zool.* 1: 721-737.
- GRIFFITHS, R.E., CONNOLLY, G.E., BURNS, R.J. & STERNER, R.T. 1978. Coyotes, sheep and lithium chloride. *Vert. Pest Control Conf.* 8: 190-196.
- GROBLER, J.H. 1981. Feeding behaviour of the caracal, *Felis caracal* Schreber 1776 in the Mountain Zebra National Park. *S. Afr. J. Zool.* 16: 259-262.
- GRUE, H. & JENSEN, B. 1979. Review of the formation of incremental lines in tooth cementum of terrestrial mammals. *Dan. Rev. Game Biol.* 11: 1-48.
- GURNEY, W.S.C. & NISBET, R.M. 1975. The regulation of inhomogenous populations. *J. Theor. Biol.* 52: 441-457.
- HAGEN, Y. 1952. *Rovfuglene og viltpleien*. (Norwegian) Gyldendal Norsk forlag, Oslo.
- HALL, J.G. 1960. Willow and aspen in the ecology of beaver on Sagehen Creek, California. *Ecology* 41: 484-494.
- HALL-MARTIN, A.J. 1976. Dentition and age determination of the giraffe *Giraffe camelopardalis*. *J. Zool., Lond.* 180: 263-289.
- HANSE, W.A. 1962. Inleidende studie van die dassie *Procavia capensis*, sy verhouding tot die boerdery in Suid-Afrika en beheermethodes. pp. 108-121 In: Verslag nr. 19. Departement van Natuurbewaring, Kaaprovinsie, Cape Town.
- HANSKI, I. 1990. Density dependence, regulation and variability in animal populations. *Phil. Trans. R. Soc. Lond.* B 330: 141-150.
- HANSSON, L. 1984. Predation as the factor causing extended low densities in microtine cycles. *Oikos* 43: 255-256.
- HANSSON, L. 1988a. Empiricism and modelling in small rodent research: how to partition efforts. *Oikos* 52: 150-155.
- HANSSON, L. 1988b. Grazing impact by small rodents in a steep cyclicity gradient. *Oikos* 51: 31-42.
- HANSSON, L. & HENTTONEN, H. 1985. Gradients in density variations of small rodents: the importance of latitude and snow cover. *Oecologia* 67: 394-402.
- HANSSON, L. & HENTTONEN, H. 1988. Rodent dynamics as community processes. *Trends Ecol. Evol.* 3: 195-200.
- HARMATA, A.R. 1982. What is the function of undulating flight display in golden eagles? *Raptor Res.* 16: 103-109.
- HARRIS, W.C. 1840. *Portraits of Game and Wild Animals of Southern Africa*. London: Hullmandel and Walton. Facsimile reprint, 1986. Sable Publishers, Cape Town.
- HASSELL, M.P. 1976. *The dynamics of competition and predation*. Studies in Biology No. 72. Edward Arnold, London 68pp.
- HASSELL, M.P. & MAY, R.M. 1973. Stability in insect host-parasite models. *J. Anim. Ecol.* 42: 693-726.
- HASTINGS, A. 1977. Spatial heterogeneity and the stability of predator-prey systems. *Theor. Pop. Biol.* 12: 37-48.
- HAUGE, T.M. & KEITH, L.B. 1981. Dynamics of moose populations in north eastern Alberta. *J. Wildl. Mgmt* 45: 573-597.
- HEARD, D.C. 1992. The effect of wolf predation and snow cover on musk-ox group size. *Am. Nat.* 139: 190-204.
- HECTOR, D.P. 1986. Cooperative hunting and its relationship to foraging success and prey size in an avian predator. *Ethology* 73: 247-257.
- HENRICI, M. 1945. Digestion experiments with fresh karoo plants. *S. Afr. J. Sci.* 41: 213-217.
- HENTTONEN, H. 1985. Predation causing extended low densities in microtine cycles: further evidence from shrew dynamics. *Oikos* 45: 156-158.
- HENTTONEN, H. & JÄRVINEN, A. 1981. Lemmings in 1978 at Kilpisjärvi: population characteristics of a small peak. *Mem. Soc. Fauna Flora Fennica* 57: 25-30.
- HENTTONEN, H., OKSANEN, T., JORTIKKA, A. & HAUKISALMI, V. 1987. How much do weasels shape microtine cycles in the northern Fennoscandian taiga? *Oikos* 50: 353-365.
- HERRERA, E.A. & MACDONALD, D.W. 1989. Resource utilization and territoriality in group-living capybaras (*Hydrochoerus hydrochaeris*). *J. Anim. Ecol.* 58: 667-679.
- HERZIG-STRASCHIL, B. 1978. On the biology of *Xerus inauris* (Zimmermann, 1980) (Rodentia, Sciuridae). *Z. Säugetierk.* 43: 262-278.
- HESS, E.H. 1973. *Imprinting*. Van Nostrand, Reinhold.
- HEWSON, R. 1981. The red fox *Vulpes vulpes* as a scavenger and predator of sheep in west Scotland. Ph.D. thesis, Univ. of Aberdeen.
- HEWSON, R. 1984. Scavenging and predation upon sheep and lambs in West Scotland. *J. Appl. Ecol.* 21: 843-868.
- HEY, D. 1959. Conservation of birds in the province of the Cape of Good Hope. *Ostrich suppl.* 3: 23-26.
- HILBORN, R. 1979. Some long term dynamics of predator-prey models with diffusion. *Ecol. Modell.* 6: 23-30.

- HILTON-TAYLOR, C. 1987. Phytogeography and origins of the karoo flora. pp. 70-95, In: *The karoo biome: a preliminary synthesis. Part 2 - vegetation and history*, (eds.) R.M. Cowling & P.W. Roux, *S. Afr. Nat. Sci. Prog. Report No. 142*. 133pp.
- HILTON-TAYLOR, C. & LE ROUX, A. 1989. Conservation status of the fynbos and karoo biomes. In: B.J. Huntley, (ed.). *Biotic Diversity in Southern Africa*. Oxford University Press, Cape Town.
- HOCKEY, P.A.R. 1988. The brown locust - war or peace? *S. Afr. J. Sci.* 84: 8-10.
- HODGSON, F.D.I. 1986. Geohydrology. pp. 84-91, In: *The karoo biome: a preliminary synthesis. Part 1 - physical environment*, (eds.) R.M. Cowling, P.W. Roux & A.J.H. Pieterse, *S. Afr. Nat. Sci. Prog. Report No. 124*. 115pp.
- HOECK, H.N. 1982. Population dynamics, dispersal and genetic isolation in two species of hyrax (*Heterohyrax brucei* and *Procavia johnstoni*) on habitat islands in the Serengeti. *Z. Tierpsychol.* 59: 177-210.
- HOECK, H.N. 1989. Demography and competition in hyrax, a 17 years study. *Oecologia* 79: 353-360.
- HOECK, H.N., KLEIN, H. & HOECK, P. 1982. Flexible social organisation in hyrax. *Z. Tierpsychol.* 59: 265-298.
- HOFFMAN, M.T. & COWLING, R.M. 1987. Plant physiognomy, phenology and demography. pp. 1-34, In: *The karoo biome: a preliminary synthesis. Part 2 - vegetation and history*, (eds.) R.M. Cowling & P.W. Roux, *S. Afr. Nat. Sci. Prog. Report No. 142*. 133pp.
- HOFFMAN, M.T. & COWLING, R.M. 1990a. Vegetation change in the semi-arid eastern Karoo over the last 200 years: an expanding Karoo - fact or fiction? *S. Afr. J. Sci.* 86: 286-294.
- HOFFMAN, M.T. & COWLING, R.M. 1990b. Desertification in the lower Sundays River Valley, South Africa. *J. Arid Environ.* 19: 105-117.
- HOLLING, C.S. 1959. The components of predation as revealed by a study of small mammal predation of the European sawfly. *Can. Entomol.* 91: 293-320.
- HOLLING, C.S. 1965. The functional response of predators to prey density and its role in mimicry and population regulation. *Mem. Entomol. Soc. Can.* 45: 1-60.
- HOLTER, J.B., TYLER, G. & WALSKI, T.W. 1974. Nutrition of the snowshoe hare (*Lepus americanus*). *Can. J. Zool.* 52: 1553-1558.
- HORNOCKER, M.G. 1970. An analysis of mountain lion predation upon mule deer and elk in the Idaho Primitive Area. *Wildlife Monogr.* 21: 1-39.
- HOUSTON, D. 1977. The effect of hooded crows on hill sheep farming in Argyll, Scotland. *J. Appl. Ecol.* 14: 17-29.
- HUFFAKER, C.B. 1958. Experimental studies on predation. II. dispersion factors and predator-prey oscillations. *Hilgardia* 27: 343-383.
- HUFFAKER, C.B., SHEA, K.P. & HERMAN, S.G. 1963. Experimental studies on predation. Complex dispersion and levels of food in an acarine predator-prey interaction. *Hilgardia* 34: 305-330.
- HUGHES, D.A. & RICHARD, J.D. 1974. The nesting of the Pacific Ridley turtle *Lepidochelys olivacea* on Playa Nancite, Costa Rica. *Marine Biol.* 24: 97-107.
- HUGHES, K.L., HARTLEY, W.J., HAUGHEY, K.G. & McFARLANE, D. 1964. A study of perinatal mortality of lambs from the Oberon, Orange, and Monaro districts of N.S.W. *Proc. Aust. Soc. Anim. Prod.* 5: 92-99.
- HUMPHREYS, A.J.B. 1987. Archaeology. pp. 117-133, In: *The karoo biome: a preliminary synthesis. Part 2 - vegetation and history*, (eds.) R.M. Cowling & P.W. Roux, *S. Afr. Nat. Sci. Prog. Report No. 142*. 133pp.
- HUNTLEY, B.J. 1984. Characteristics of South African biomes. In: *Ecological effects of fire in South African ecosystems*, (eds.) P. de V. Booysen & N.M. Tainton, Springer Verlag, Berlin.
- HUNTLY, N.J. 1987. Influence of refuging consumers (Pikas: *Ochotona princeps*) on subalpine meadow vegetation. *Ecology* 68: 274-283.
- HUNTLY, N.J., SMITH, A.T. & IVINS, B.L. 1986. Foraging behavior of the pika (*Ochotona princeps*), with comparisons of grazing versus haying. *J. Mammal.* 67: 139-148.
- HUSTLER, K. & HOWELLS, W.W. 1986. A population study of tawny eagles in Hwange National Park, Zimbabwe. *Ostrich* 57: 101-106.
- HUSTLER, K. & HOWELLS, W.W. 1987. Breeding periodicity, productivity and conservation of the martial eagle. *Ostrich* 58: 135-138.
- HUSTLER, K. & HOWELLS, W.W. 1990. The influence of primary production on a raptor community in Hwange National Park, Zimbabwe. *J. Trop. Ecol.* 6: 343-354.
- IMMELMAN, K. 1975. Ecological significance of imprinting and early learning. *Ann. Rev. Ecol. Syst.* 6: 15-37.
- INGRAHAM, K.P., LUGINBUHL, R.C., SCHLOTZHAUER, S.D. & WATTS, H. 1988. *SAS/STAT user's guide. Release 6.03*, (ed.) SAS Institute, Cary, N.C. 1028pp.
- IVES, A.R. & DOBSON, A.P. 1987. Antipredator behavior and the population dynamics of simple predator-prey systems. *Am. Nat.* 130: 431-447.
- JANSE VAN RENSBURG, E. 1991. Problem animals - problem people? *Endangered Wildl.* (J. of the Endangered Wildl. Trust, Johannesburg) 7: 3-12.
- JÄRVINEN, A. 1985. Predation causing extended low densities in microtine cycles: implications from predation on hole-nesting passerines. *Oikos* 45: 157-158.
- JEDRZEJEWSKI, W., JEDRZEJEWSKI, B., OKARMA, H. & RUPRECHT, A.L. 1992. Wolf predation and snow cover as mortality factors in the ungulate community of the Bialowieza National Park, Poland. *Oecologia* 90: 27-36.
- JENKINS, A.R. 1984. Hunting behaviour and success in a pair of black eagles. *Ostrich* 55: 102-103.
- JENKINS, A.R. 1992. A comparison of provisioning rates at peregrine and lanner falcon nests in the Transvaal, South Africa. *Gabar* 7: 11-14.
- JENKINS, D., WATSON, A. & MILLER, G.R. 1964. Predation and red grouse populations. *J. Appl. Ecol.* 1: 183-195.
- JENKINS, M.A. & JOSEPH, R.A. 1984. 1981 - an extraordinary year for golden eagle 'triplets' in the central Rocky Mountains. *Raptor Research* 18: 111-113.
- JOHNSTONE, J. 1966. *The eagle in fact and in fiction*. Quist, London. 160pp.
- JONES, C.G. 1981. Abnormal and maladaptive behaviour in captive raptors. pp. 53-59. In: *Recent Advances in the Study of Raptor Disease*, (eds.) J.E. Cooper & A.R. Greenwood,
- JONES, R. 1979. Predator-prey relationships with particular reference to vertebrates. *Biol. Rev.* 54: 73-97.
- JOOSTE, J.F. 1983. Game farming as a supplementary farming activity in the Karoo. *Proc. Grassld Soc. sth. Afr.* 18: 46-49.

- JORDAN, D.J. & LE FEUVRE, A.S. 1989. The extent and cause of perinatal lamb mortality in three flocks of Merino sheep. *Aust. vet. J.* 66: 198-201.
- KALELA, O. 1971. Seasonal differences in habitats of the Norwegian lemming, *Lemmus lemmus* (L.), in 1959 and 1960 at Kilpisjärvi, Finnish Lapland. *Ann. Acad. Sci. fenn. (A IV)* 178: 1-22.
- KEITH, L.B. 1974. Some features of population dynamics in mammals. *Int. Congr. Game Biol.* 11: 17-58.
- KEITH, L.B., CARY, J.R., RONGSTAD, O.J. & BRITTINGHAM, M.C. 1984. Demography and ecology of a declining snowshoe hare population. *Wildl. Monogr.* 90: 1-43.
- KEITH, L.B., TODD, A.W., BRAND, C.J., ADAMCIK, R.S. & RUSCH, D.H. 1977. An analysis of predation during a cyclic fluctuation of snowshoe hares. *Proc. XIII<sup>th</sup> Congr. Game Biol. (Atlanta, Georgia)*: 151-175.
- KELLERT, S.R. 1985. Public perceptions of predators particularly the wolf and coyote. *Biol. Conserv.* 31: 167-189.
- KENWARD, R.E. 1978a. Hawks and doves: factors affecting success and selection in goshawk attacks on wood pigeons. *J. Anim. Ecol.* 47: 449-460.
- KENWARD, R.E. 1978b. Predation on released pheasants (*Phasianus colchicus*) by goshawks (*Accipiter gentilis*) in central Sweden. *Viltrevy* 10: 79-112.
- KEOGH, H.J. 1983. A photographic reference system of the microstructure of the hair of southern African bovids. *S. Afr. J. Wildl. Res.* 13: 89-132.
- KIDD, N.A.C. & LEWIS, G.B. 1987. Can vertebrate predators regulate their prey? A reply. *Am Nat.* 130: 448-453.
- KIERSTEAD, H. & SLOBODKIN, L.B. 1953. The size of water masses containing plankton blooms. *J. Marine Res.* 12: 141-147.
- KING, J.A. 1959. The social behaviour of prairie dogs. *Sci. Am.* 201: 128-140.
- KINGDON, J. 1971. *East African Mammals*. Vol. 1. Academic Press, London.
- KINGDON, J. 1990. *Island Africa - The Evolution of Africa's Rare Animals and Plants*. Collins, London. 287pp.
- KIRKWOOD, J.K. 1981. Feeding captive birds of prey. *Aviculture Magazine* 87: 256-265.
- KIRKWOOD, J.K. & THOMPSON, K. 1983. Food and energy consumption of some large raptors at the Bristol Zoological Gardens. *Int. Zoo Ybk* 23: 114-117.
- KLEBENOW, D.A. & McADOO, K. 1976. Predation on domestic sheep in northeastern Nevada. *J. Range Mgmt* 29: 96-100.
- KLEIBER, M. 1961. *The fire of life*. John Wiley, New York.
- KLEIBER, M. 1975. *The fire of life: an introduction to animal energetics*. R.E. Krieger, New York.
- KLOPFER, P.H. 1963. Behavioural aspects of habitat selection, the role of early experience. *Wilson Bull.* 75: 15-22.
- KOFORD, C.B. 1958. Prairie dogs, whitefaces, and blue gamma. *Wildl. Monogr.* 3: 1-78.
- KOLBE, F.F. 1967. A plea for dassies. *Afr. Wildl.* 21: 237-248.
- KOLBE, F.F. 1983. Dr S.H. Rubidge, on the dassie problem and "Lammervanger" controversy 1933-1954. *The Naturalist* 27(2): 15-19.
- KORPIMÄKI, E. 1981. On the ecology and biology of Tengmalm's owl (*Aegolius funereus*) in southern Ostrobothnia and Suomenselkä, western Finland. *Acta Univ. Oul. A 118. 1981. Biol.* 13: 1-84.
- KORPIMÄKI, E. 1985a. Rapid tracking of microtine populations by their avian predators: possible evidence for stabilizing predation. *Oikos* 45: 281-284.
- KORPIMÄKI, E. 1985b. Prey choice strategies of the kestrel *Falco tinnunculus* in relation to available small mammals and other Finnish birds of prey. *Ann. Zool. Fennici* 22: 91-104.
- KORPIMÄKI, E. 1986. Predation causing synchronous decline phases in microtine and shrew populations in western Finland. *Oikos* 46: 124-127.
- KORPIMÄKI, E. 1993. Regulation of multiannual vole cycles by density-dependent avian and mammalian predation? *Oikos* 66: 359-363.
- KORPIMÄKI, E. & NORRDAHL, K. 1989a. Avian and mammalian predators of shrews in Europe: regional differences, between-year and seasonal variation, and mortality due to predation. *Ann. Zool. Fennici* 26: 389-400.
- KORPIMÄKI, E. & NORRDAHL, K. 1989b. Predation of Tengmalm's owls: numeric responses, functional responses and dampening impact on population fluctuations of microtines. *Oikos* 54: 154-164.
- KORPIMÄKI, E. & NORRDAHL, K. 1989c. Avian predation on mustelids in Europe 1: occurrence and effects on body size variation and life traits. *Oikos* 55: 205-215.
- KORPIMÄKI, E. & NORRDAHL, K. 1991. Do breeding nomadic avian predators dampen population fluctuations of small mammals? *Oikos* 62: 195-208.
- KORPIMÄKI, E., NORRDAHL, K. & RINTA-JASKARI, T. 1991. Responses of stoats and least weasels to fluctuating food abundances: is the low phase of the vole cycle due to mustelid predation? *Oecologia* 88: 552-561.
- KRALIK, S. 1967. Breeding of the caracal lynx at Brno Zoo. *Int. Zoo Ybk* 7: 132.
- KREBS, C.J., GILBERT, B.S., BOUTIN, S. & BOONSTRA, R. 1986. Estimation of snowshoe hare population density from turd transects. *Can. J. Zool.* 63: 565-567.
- KRUUK, H. 1970. Interactions between populations of spotted hyenas and their prey species. In: *Animal populations in relation to their food resources* (ed. A. Watson). British Ecological Society Symposium 10: 359-374.
- KRUUK, H. 1972a. *The spotted hyena*. Chicago University Press.
- KRUUK, H. 1972b. Surplus killing by carnivores. *J. Zool., Lond.* 166: 233-244.
- KRUUK, H. 1978. Spatial organisation and territorial behaviour of the European badger, *Meles meles*. *J. Zool., Lond.* 184: 1-19.
- KUNKEL, R. 1992. *Ngorongoro*. Harpers & Collins. 314pp.
- KUNO, E. 1987. Principles of predator-prey interaction in theoretical, experimental and natural population systems. *Adv. Ecol. Res.* 16: 249-337.
- LACK, D. 1954. *The natural regulation of animal numbers*. University Press, Oxford.
- LAINE, K. & HENTTONEN, H. 1983. The role of plant production in microtine cycles in northern Fennoscandia. *Oikos* 40: 407-418.
- LAMPPIO, T. 1952. An experiment in the control of disease in the snow hare. *Riistat. Julk.* 8: 139-142.



- LASIEWSKI, R.C. & DAWSON, W.R. 1967. A re-examination of the relation between standard metabolic rate and body weight in birds. *Condor* 69: 13-23.
- LAWSON, D. 1989. The effects of predators on sheep farming in Natal: An opinion survey. *S. Afr. J. Wildl. Res.* 19: 4-10.
- LEHOUEUROU, H.N., BINGHAM, R.L. & SKERBEK, W. 1988. Relationship between the variability of primary production and the variability of annual precipitation in world arid lands. *J. Arid Environ.* 15: 1-18.
- LEDGER, J., HOBBS, J. & VAN RENSBURG, D. 1987. First record of black eagles nesting on an electricity transmission tower. *African Wildlife* 41: 60-66.
- LEHTI, R.A. 1947. The golden eagle attacking antelope. *J. Wildl. Mgmt* 11: 348-349.
- LENSING, J.E. 1978. The feeding ecology of the rock hyrax *Procavia capensis* Pallas 1766, in southern South West Africa. Report of the South West Administration Division of Nature Conservation and Tourism, Windhoek (unpubl. mimeograph).
- LENSING, J.E. 1979. Feeding habits of the rock hyrax, *Procavia capensis* (Pallas, 1766), in southern South West Africa. M.Sc. thesis, University of Pretoria.
- LENSING, J.E. 1982. Feeding strategy of the rock hyrax and its relation to the rock hyrax problem in southern South West Africa. *Madoqua* 13: 177-196.
- LENSING, J.E. & JOUBERT, E. 1976. Intensity distribution patterns for five species of problem animals in South West Africa. *Madoqua* 10: 131-141.
- LEON, B. 1981. Aspects of the energy and water metabolism in the rock hyrax *Procavia capensis* and the elephant shrew *Elephantulus edwardi*. Ph.D. thesis, Univ. of Cape Town.
- LEOPOLD, A.S. & WOLFE, T.O. 1970. Food habits of nesting wedge-tailed eagles, *Aquila audax*, in south-eastern Australia. *C.S.I.R.O. Wildl. Res.* 15: 1-17.
- LESLIE, P.H., & GOWER, J.C. 1960. The properties of a stochastic model for the predator-prey type of interaction between two species. *Biometrika* 47: 219-234.
- LETLEY, O.P. 1962. Foods and feeding. *Lammergeyer* 2: 63.
- LIBERG, O. 1984. Food habits and prey impact by feral and house based domestic cats in a rural area of southern Sweden. *J. Mammal.* 65: 424-432.
- LIDICKER, W.Z., Jr. 1988. Solving the enigma of microtine "cycles". *J. Mammal.* 69: 225-235.
- LIMA, S.L. & DILL, L.M. 1990. Behavioral decisions made under the risk of predation: a review and prospectus. *Can. J. Zool.* 68: 619-640.
- LINDÉN, H. & WIKMAN, M. 1983. Goshawk predation on tetraonids: availability of prey and diet of the predator in the breeding season. *J. Anim. Ecol.* 52: 953-968.
- LINDESAY, J.A. 1984. Spatial and temporal rainfall variability over South Africa, 1963 to 1981. *S. Afr. Geog. J.* 66: 168-175.
- LINDESAY, J.A. 1988. South African rainfall, the southern oscillation and a southern hemisphere semi-annual cycle. *J. Climatol.* 8: 17-30.
- LITTAUER, G.A. & WHITE, R.J. 1981. Sheep and lamb losses in New Mexico, January 1 - May 1, 1981. Department of Agriculture, New Mexico. (Unpubl. mimeograph) 11pp.
- LITVAITIS, J.A. & MAUTZ, W.W. 1976. Energy utilisation of three diets fed to a captive red fox. *J. Wildl. Mgmt* 40: 365-368.
- LLOYD, D.E.B. 1976. The protection of pheasants in release pens from birds of prey. Brit. Field Sports Soc., London. 12pp.
- LLOYD, M. & DYBAS, H.S. 1966a. The periodical cicada problem. I. population ecology. *Evolution* 20: 133-149.
- LLOYD, M. & DYBAS, H.S. 1966b. The periodical cicada problem. II. evolution. *Evolution* 20: 466-505.
- LOCKHART, J.M. 1976. The food habits, status and ecology of nesting golden eagles in the Trans-Pecos region of Texas. M.Sc. thesis, Sul Ross State University.
- LOCKIE, J.D. 1964. The breeding density of the golden eagle and fox in relation to food supply in Wester Ross, Scotland. *Scottish Nat.* 71: 67-77.
- LOCKIE, J.D. & STEPHEN, D. 1959. Eagles, lambs and land management on Lewis. *J. Anim. Ecol.* 28: 43-50.
- LORENZ, K. 1935. Companions as factors in the bird's environment. In: *Studies in Animal and Human Behaviour*. Vol. 1, translated by R. Martin (1970). Methuen, London.
- LORENZ, K. 1937. The companions in the bird's world. *Auk* 54: 245-273.
- LORENZ, K. 1973. *Behind the mirror*. Methuen, London.
- LOTKA, A.J. 1925. *Elements of physical biology*. Williams & Wilkins, Baltimore.
- LOUW, G.N. 1971. Water economy of certain Namib desert animals. *S. Afr. J. Sci.* 67: 119-123.
- LOUW, E., LOUW, G.N. & RETIEF, C.P. 1972. Thermolability, heat tolerance and renal function in the dassie or hyrax, *Procavia capensis*. *Zool. Afr.* 7: 451-469.
- LOVE, J.A. 1979. Daily food intake of captive white-tailed eagles. *Bird Study* 26: 64-66.
- LOVEGROVE, B. 1993. *The living deserts of southern Africa*. Fernwood Press, Vlaeberg. 224pp.
- LUTTICH, S., RUSCH, D.H., MESLOW, E.C. & KEITH, L.B. 1970. Ecology of red-tailed hawk predation in Alberta. *Ecology* 51: 190-203.
- McADOO, J.K. & KLEBENOW, D.A. 1978. Predation on range sheep with no predator control. *J. Range Mgmt* 31: 111-114.
- McDONALD, J.W. 1966. Variation in perinatal mortality of lambs with age and parity of ewes. *Proc. Aust. Soc. Anim. Prod.* 6: 60-62.
- McENEANY, T.P. & JENKINS, M.A. 1983. Bald eagle predation on domestic sheep. *Wilson Bull.* 95: 694-695.
- McFARLANE, D. 1964. The effects of predators on perinatal lamb losses in the Monaro, Oberon, and Canberra districts. *Wool Technol. Sheep Breed.* 11: 11-14.
- McFARLANE, D. 1965. Perinatal lamb losses. I. An autopsy method for the investigation of perinatal losses. *N. Z. vet. J.* 13: 116-135.
- McGAHAN, J. 1967. Quantified estimates of predation by a golden eagle population. *J. Wildl. Mgmt* 31: 496-501.
- McHUGH, J.F. & EDWARDS, M.S.H. 1958. Lamb loss investigations at Rutherglen Research Station. *J. Agric. Vict.* 56: 425-438.
- McMURTRIE, R. 1978. Persistence and stability of single-species and prey-predator systems in spatially heterogeneous environments. *Mathematical Biosciences* 39: 11-51.

- McNAIRN, I.S. & FAIRALL, N. 1984. Metabolic rate and body temperature of adult and juvenile hyrax (*Procavia capensis*). *Comp. Biochem. and Physiol.* 79a: 539-545.
- MACLEAN, G.L. 1985. *Robert's birds of southern Africa*. John Voelcker Bird Book Fund, Cape Town. 848pp.
- MACLEAN, S.F., Jr., FITZGERALD, B.M. & PITELKA, F.A. 1974. Population cycles in arctic lemmings: winter reproduction and predation by weasels. *Arct. Alp. Res.* 6: 1-12.
- MALAN, G. 1991. Cooperative hunting by rednecked falcons. *Gabar* 6: 70-71.
- MALCOM, S.B. 1992. Prey defence and predator foraging. pp. 458-475. In: *Natural Enemies - The Population Biology of Predators, Parasites and Diseases*, (ed.) M.J. Crawley (ed.), Blackwell, Oxford. 576pp.
- MALHERBE, A.P. 1963. Notes on birds of prey and some others at Boshhoek north of Rustenburg during a rodent plague. *Ostrich* 34: 95-96.
- MALY, E.J. 1978. Stability of the interaction between *Didinium* and *Paramecium*: effects of dispersal and predator time-lag. *Ecology* 59: 733-741.
- MARCSTROM, V., ENGREN, E., CARY, J.R. & KEITH, L.B. 1989. Demographic responses of arctic hares (*Lepus timidus*) to experimental reductions of red foxes (*Vulpes vulpes*) and martens (*Martes martes*). *Can. J. Zool.* 67: 658-668.
- MATCHETT, M.R. & O'GARA, B.W. 1987. Methods of controlling golden eagle depredation on domestic sheep in south-western Montana. *J. Raptor Res.* 21: 85-94.
- MATSON, P. & BERRYMAN, A.A. 1992. Special feature: Ratio-dependent predator-prey theory. *Ecology* 73: 1529.
- MAUTZ, W.W., WALSKI, T.W. & URBAN, W.E. jr. 1976. Digestibility of fresh frozen versus pelleted browse by snowshoe hares. *J. Wildl. Mgmt* 40: 496-499.
- MAY, R. 1989. The chaotic rhythms of life. *New Scient.* 1689: 37-41.
- MECH, L.D. 1970. *The wolf: the ecology and behavior of an endangered species*. The Natural History Press, New York. 384pp.
- MERRIAM, H.G. & MERRIAM, A. 1965. Vegetation zones around woodchuck burrows. *Can. Field Nat.* 79: 177-180.
- MESSIER, F. 1987. Physical condition and blood physiology of wolves in relation to moose density. *Can. J. Zool.* 65: 91-95.
- MESSIER, F. 1989. Towards understanding the relationship between wolf predation and moose density in southwestern Québec. pp. 13-25. In: *Wolf-Prey Dynamics and Management*, (eds.) D. Seip, S. Pettigrew & R. Archibald, British Columbia Ministry of Environment, Wildlife Working Report No. 40.
- MESSIER, F. 1991. The significance of limiting and regulating factors on the demography of moose and white-tailed deer. *J. Anim. Ecol.* 60: 377-393.
- MESSIER, F. & CRÊTE, M. 1984. Body condition and population regulation by food resources in moose. *Oecologia (Berlin)* 65: 44-50.
- MESSIER, F. & CRÊTE, M. 1985. Moose-wolf dynamics and the natural regulation of moose populations. *Oecologia* 65: 503-512.
- METZGAR, L.H. 1967. An experimental comparison of screech owl predation on resident and transient white-footed mice (*Peromyscus leucopus*). *J. Mammal.* 48: 387-391.
- MIDGLEY, D.C. undated. Kaart: Verspreiding van bruto langtermyn gemiddelde jaarlikse sêdiment afvoer in m<sup>3</sup>/km<sup>2</sup>. Departement Hidrologiese Navorsing, Professionele verhandeling No 7 and 16, University of the Witwatersrand.
- MILFORD, R.V. 1987. Annual maximum wind speeds for South Africa. *The Civil Engineer in South Africa* January 1987: 15-19.
- MILLAR, R.P. 1971. Reproduction in the rock hyrax (*Procavia capensis*). *Zool. Afr.* 6: 243-261.
- MILLAR, R.P. 1972. Reproduction in the rock hyrax (*Procavia capensis*) with special reference to seasonal sexual activity in the male. D.Phil. thesis, University of Liverpool.
- MILLS, M.G.L. unpubl. Predator:prey relationships amongst the larger mammals in the Kalahari and Kruger. International symposium on predator-prey relationships, Zool. Soc. sth. Afr., Pretoria, June 1988 (oral presentation).
- MÖHR, J.P. 1982. The karoo caterpillar *Loxostege frustralis* Zeller (Lepidoptera: Pyralidae) in relation to host plants and natural enemies. Ph.D. thesis, Rhodes University, Grahamstown.
- MOOLMAN, L.C. 1984. „n vergelyking van die voedingsgewoontes van die rooikat *Felis caracal* binne en buite die Bergkwagga Nasionale Park. *Koedoe* 27: 121-129.
- MOOLMAN, L.C. 1986a. Aspekte van die ekologie en gedrag van die rooikat *Felis caracal*, Schreber, 1776 in die Bergkwagga Nasionale Park en op die omliggende plase. M.Sc. thesis, University of Pretoria.
- MOOLMAN, L.C. 1986b. Aspekte van die ekologie en gedrag van die rooikat *Felis caracal* (Schreber 1776) in die Bergkwagga Nasionale Park en op die omliggende plase. *Pelea* 5: 8-21.
- MOORE, R.W., DONALD, I.M. & MESSENGER, J.J. 1966. Fox predation as a cause of lamb mortality. *Proc. Aust. Soc. Anim. Prod.* 6: 157-160.
- MOORING, M.S. 1993. Predation on a newborn impala by a martial eagle. *Ostrich* 64: 185-186.
- MOORS, P.J. 1977. Studies of the metabolism, food consumption and assimilation efficiency of a small carnivore, the weasel (*Mustela nivalis* L.). *Oecologia (Berl.)* 27: 184-202.
- MOREAU, R.E. 1950. The breeding seasons of African birds - 1. land birds. *Ibis* 92: 223-267.
- MOULE, G.R. 1954. Observations on mortality amongst lambs in Queensland. *Aust. vet. J.* 30: 153.
- MOUNTFORD, M.D. 1988. Population regulation, density dependence, and heterogeneity. *J. Anim. Ecol.* 57: 845-858.
- MUELLER, H.C. & BERGER, D.D. 1970. Prey preferences in the sharp-shinned hawk: the roles of sex, experience, and motivation. *The Auk* 87: 452-457.
- MUNDY, P.J., ROBERTSON, A.S., KOMEN, J. & O'CONNOR, T.G. 1986. Attacks by black eagles on vultures. *Raptor Res.* 20: 61-64.
- MURDOCH, W.W. 1970. Population regulation and population inertia. *Ecol.* 51: 497-502.
- MURIE, A. 1944. *The wolves of Mount McKinley*. Fauna of the National Parks of the United States. *Fauna Series* 5: 238pp.
- MURIE, J.O. 1992. Predation by badgers on Columbian ground squirrels. *J. Mammal.* 73: 385-394.
- MURPHY, J.R. 1975. Status of a golden eagle population in central Utah, 1967 - 1973. Population Status of Raptors, *Raptor Res. Rep.* 3: 91-96.

- MURPHY, J.R. 1976. Eagles and livestock - some management considerations. pp. 307-313 In: Proc. World Conf. on Birds of Prey, Vienna 1975, (ed.) R.D. Chancellor, ICBP, London.
- MURRAY, B.G., Jr. 1982. On the meaning of density dependence. *Oecologia* 53: 370-373.
- MYERS, K. & PARKER, B.S. 1975. Effect of severe drought on rabbit numbers and distribution in a refuge area in semiarid north-western New South Wales. *Aust. Wildl. Res.* 2: 103-120.
- MYERS, K. & SCHNEIDER, E.C. 1964. Observations on reproduction, mortality and behaviour in a small, free-living population of wild rabbits. *C.S.I.R.O. Wildl. Res.* 9: 138-143.
- MYKYTOWYCZ, R. 1966. Observations on odoriferous and other glands in the Australian wild rabbit, *Oryctolagus cuniculus* (L.), and the hare, *Lepus europaeus* P. I: The anal gland. *C.S.I.R.O. Wildl. Res.* 11: 11-29.
- MYKYTOWYCZ, R. 1968. Territorial marking by rabbits. *Sci. Am.* 218: 116-126.
- MYKYTOWYCZ, R. & GAMBALE, S. 1969. The distribution of dung-hills and the behaviour of free-living rabbits, *Oryctolagus cuniculus* (L.) on them. *Forma func.* 1: 333-349.
- NAGY, K.A. 1987. Field metabolic rate and food requirement scaling in mammals and birds. *Ecol. Monogr.* 57: 111-128.
- NASS, R.D., LYNCH, G. & THEADE, J. 1984. Circumstances associated with predation rates on sheep and goats. *J. Range Mgmt* 37: 423-426.
- NELLIS, C.H., WETMORE, S.P. & KEITH, L.B. 1972. Lynx-prey interactions in central Alberta. *J. Wildl. Mgmt* 36: 320-329.
- NELSON, M.E. & MECH, L.D. 1981. Deer social organization and wolf predation in northeastern Minnesota. *Wildl. Monogr.* 77: 53pp.
- NELSON, M.E. & MECH, L.D. 1986. Relationship between snow depth and gray wolf predation on white-tailed deer. *J. Wildl. Mgmt* 50: 471-474.
- NESSE, G.E., LONGHURST, W.M. & HOWARD, W.E. 1976. Predation and the sheep industry in California. Univ. of Calif. (Div. Agric. Sci.), Bull. 1878. 63pp.
- NETTE, T., BURLLES, D. & HOEFS, M. 1984. Observations of golden eagle, *Aquila chrysaetos*, predation on Dall sheep *Ovis dalli dalli* lambs. *Can. Field Nat.* 98: 252-254.
- NEU, C.W., BYERS, C.R. & PEEK, J.M. 1974. A technique for analysis of utilization-availability data. *J. Wildl. Mgmt* 38: 541-545.
- NEWSOME, A.E. 1990. The control of vertebrate pests by vertebrate predators. *Trends Ecol. Evol.* 5: 187-191.
- NEWSOME, A.E., PARER, I. & CATLING, P.C. 1989. Prolonged prey suppression by carnivores - predator-removal experiments. *Oecologia* 78: 458-467.
- NEWTON, I. 1978. Feeding and development of sparrowhawk *Accipiter nisus* nestlings. *J. Zool.* 184: 465-487.
- NEWTON, I. 1979. *Population ecology of raptors*. T. & A.D. Poyser, Berkhamsted. 399pp.
- NEWTON, I. 1992. Birds of Prey. pp. 143-162. In: *Natural Enemies, the Population Biology of Predators, Parasites and Diseases*, (ed.) M.J. Crawley, Blackwell, Oxford. 576pp.
- NICHOLSON, A.J. 1933. The balance of animal populations. *J. Anim. Ecol.* 2: 132-178.
- NIELSON, D.B. & CURLE, D.M. 1970. Predator costs to Utah's range sheep industry. Dep. of Economics, Utah State Univ., Logan. 11p. mimeo.
- NIEMEYER, C. 1977 unpubl. Montana golden eagle removal and translocation project. Final Rep. U.S. Fish Wildl. Serv. Area Office, Billings, Montana. 22pp.
- NILSSON, I.N., NILSSON, S.G. & SYLVÉN, M. 1982. Diet choice, resource depression and the regular nest spacing of birds of prey. *Biol. J. Linn. Soc.* 18: 1-9.
- NOBLE, G.K. 1939. The role of dominance in the social life of birds. *Auk* 56: 263-273.
- NORRDAHL, K. 1990. Pyyntialuepikkunisäkäspyyneissä: koko, sijoitus ja pyyntitulosten yleistettävyyys. M.Sc. Thesis, University of Helsinki.
- NORTON, P.M. & LAWSON, A.B. 1985. Radio tracking of leopards and caracals in the Stellenbosch area, Cape Province. *S. Afr. J. Wildl. Res.* 15: 17-24.
- NORTON, P.M., LAWSON, A.B., HENLEY, S.R. & AVERY, G. 1986. Prey of leopards in four mountainous areas of the south-western Cape Province. *S. Afr. J. Wildl. Res.* 16: 47-52.
- O'GARA, B.W. 1978. Sheep predation by golden eagles in Montana. *Proc. Vert. Pest Control Conf.* 8: 206-213.
- O'GARA, B.W. 1981. Predation by golden eagles on domestic lambs in Montana. pp. 345-358. In: 1982 Wildlife-Livestock Relationships Symposium: Proc. 10. April 20-22, 1981. For. Wildl. Range Exp. Stn., (eds.) J.M. Peek & P.D. Dalke, Univ. Idaho, Moscow. 614pp.
- O'GARA, B.W., BRAWLEY, K.C., MUNOZ, J.R. & HENNE, D.R. 1983. Predation on domestic sheep on a western Montana ranch. *Wildl. Soc. Bull.* 11:253-264.
- O'GARA, B.W. & MATCHETT, M.R. 1985 unpubl. Evaluation of scare-crows for frightening golden eagles from lambing bands. Comp. Rep., Montana Coop. Wildl. Res. Unit, Univ. Montana, Missoula. 45pp.
- ODUM, E.P. 1971. *Fundamentals of ecology*. W.B. Saunders, Philadelphia.
- OKSANEN, L. & OKSANEN, T. 1981. Lemmings (*Lemmus lemmus*) and grey-sided voles (*Clethrionomys rufocanus*) in interaction with their resources and predators on Finnmarksvidda, northern Norway. *Rep. Kevo Subarctic Res. Stat.* 17: 7-31.
- OLSEN, J. & GEORGES, A. 1993. Do peregrine falcon fledglings reach independence during peak abundance of their main prey? *J. Raptor Res.* 27: 149-153.
- ORIANI, G.H. & PEARSON, N.E. 1979. On the theory of central place foraging. pp. 154-177. In: *Analysis of Ecological Systems*, (eds.) D.J. Horn, R.D. Mitchell & G. R. Stairs, Ohio State University Press, Columbus.
- OSBORNE, T.O. 1981. Ecology of the red-necked falcon *Falco chicquera* in Zambia. *Ibis* 123: 289-297.
- OWEN-SMITH, N. 1971. Territoriality in the white rhinoceros (*Ceratotherium simum*) Burchell. *Nature, Lond.* 231: 294-296.
- OWEN-SMITH, N. 1977. On territoriality in ungulates and an evolutionary model. *Quart. Rev. Biol.* 52: 1-38.
- PALMER, N.G. unpubl. An investigation into the black eagle *Aquila verreauxii* - small stock relationship in the Ladysmith District. Unpubl. report, March 1983, to the Director, Cape Dept. Nat. Environ. Cons., Cape Town. 4pp.

- PALMER, R. 1985 unpubl. Investigation of the diet of *Felis caracal* and *Felis lybica* in the Karoo National Park. B.Sc. Honours (Zoology) project report, University of Pretoria. 23pp.
- PALMER, R. & FAIRALL, N. 1988. Caracal and African wildcat diet in the Karoo National Park and the implications thereof for hyrax. *S. Afr. J. Wildl. Res.* 18: 30-34.
- PEARSON, E.W. & CAROLINE, M. 1981. Predator control in relation to livestock losses in central Texas. *J. Range Mgmt* 34: 435-441.
- PEARSON, O.P. 1966. The prey of carnivores during one cycle of mouse abundance. *J. Anim. Ecol.* 35: 217-233.
- PEARSON, O.P. 1971. Additional measurements of the impact of carnivores on California voles (*Microtus californicus*). *J. Mammal.* 52: 41-49.
- PECH, R.P., SINCLAIR, A.R.E., NEWSOME, A.E. & CATLING, P.C. 1992. Limits to predator regulation of rabbits in Australia: evidence from predator-removal experiments. *Oecologia* 89: 102-112.
- PEDDIE, D.A. 1975. A taxonomic and autecological study of the genus *Pronolagus* in southern Africa. M.Sc. thesis, University of Rhodesia, Salisbury.
- PENNYCUICK, C.J. 1972a. *Animal Flight. Studies in Biology* 33. Edward Arnold, London. 68pp.
- PENNYCUICK, C.J. 1972b. Soaring performance of some East African birds, observed from a motor-glider. *Ibis* 114: 178-218.
- PEPLER, D. 1989. A method for capturing the red rock rabbit *Pronolagus rupestris*. *S. Afr. J. Wildl. Res.* 19: 47.
- PEPLER, D. 1990. Reproductive and developmental patterns in Smith's red rock hare, *Pronolagus rupestris*. The newsletter and journal of the IUCN SSC Lagomorph Specialist Group 11: 19.
- PERRINS, C.M. & GEER, T.A. 1980. The effect of sparrowhawks on tit populations. *Ardea* 68: 133-142.
- PETRIDES, G.A. 1975. Principle foods versus preferred foods and their relation to stocking rate and range. *Biol. Cons.* 7: 161-170.
- PHILANDER, S.G.H. 1983. El Nino Southern Oscillation phenomena. *Nature* 302: 295-301.
- PHILLIPS, R.L. & BLOM, F.S. 1988. Distribution and magnitude of eagle/livestock conflicts in the western United States. pp. 241-244 In: *Proc. Vertebr. Pest Conf.* 13, (eds.) A.C. Crabb & R.E. Marsh, Univ. of Calif., Davis.
- PHILLIPS, R.L., CUMMINGS, J.L. & BERRY, J.D. 1991. Responses of breeding golden eagles to relocation. *Wildl. Soc. Bull.* 19: 430-434.
- PHILLIPS, R.L., WHEELER, A.H., LOCKHART, J.M., McENEANEY, T.P. & FORRESTER, N.C. 1990. Nesting ecology of golden eagles and other raptors in Southwestern Montana and Northern Wyoming. United States Department of the Interior Fish and Wildlife Service, Washington, D.C.: Fish & Wildl. Tech. Rep. 26: 13pp..
- PICKFORD, P., PICKFORD, B. & TARBOTON, W. 1989. *Southern African birds of prey*. Struik, Cape Town. 228pp.
- PICOZZI, N. 1978. Dispersion, breeding and prey of the hen harrier *Circus cyaneus* in Glen Dye, Kincardineshire. *Ibis* 120: 498-509.
- PIMENTEL, D., NAGEL, W.P. & MADDEN, J.L. 1963. Space-time structure of the environment and the survival of parasite-host systems. *Am. Nat.* 97: 141-168.
- PIMM, S.L. 1987. The snake that ate Guam. *Trends Ecol. Evol.* 2: 293-295.
- PITELKA, F.A. 1973. Cyclic pattern in lemming populations near Barrow, Alaska. pp. 199-215. In: *Alaskan Arctic Tundra*, (ed.) M.E. Britton, Arct. Inst. North Am. Tech. Pap. 25.
- PORTER, C. 1984. Black eagles (R 133) at Roodekranz (Witpoortjie Falls). *Witwatersrand Bird Club News* 125: 18.
- PRINGLE, J.A. & PRINGLE, V.L. 1979. Observations on the lynx *Felis caracal* in the Bedford district. *S. Afr. J. Zool.* 14: 1-4.
- PUTNAM, R.J. 1984. Facts from faeces. *Mammal Rev.* 14: 79-97.
- RABINOWITCH, V. 1968. The role of experience in the development of food preferences in gull chicks. *Anim. Behav.* 16: 425-428.
- RABINOWITCH, V. 1969. The role of experience in the development and retention of seed preferences in Zebra Finches. *Behaviour* 33: 222-236.
- RAPTOR GROUP. 1982. Timing of vole hunting in aerial predators. *Mammal Rev.* 12: 169-187.
- RASA, O.A.E. 1986. Sociability for survival: why dwarf mongooses live in groups. In: *Behavioural Ecology and Population Biology*, (ed.) L.C. Drickamer, I.E.C./Universite Paul Sabatier/Toulouse.
- RENKEN, R.B. & WIGGERS, E.P. 1989. Forest characteristics related to pileated woodpecker territory size in Missouri. *The Condor* 91: 642-652.
- RETTIG, N.L. 1978. Breeding behavior of the harpy eagle (*Harpia harpyja*). *Auk* 95: 629-643.
- REYNOLDS, R.N. & GUSTAD, O.C. 1971. Analysis of statistical data on sheep losses caused by predation in four western states during 1966-1969. U.S. Dep. Inter., Fish & Wildl. Serv., Washington, D.C. 21pp.
- RIDPATH, M.G. & BROOKER, M.G. 1986. Age, movements and the management of the wedge-tailed eagle, *Aquila audax*, in arid Western Australia. *Aust. J. Wildl. Res.* 13: 245-260.
- RIDPATH, M.G. & BROOKER, M.G. 1987. Sites and spacing of nests as determinants of Wedge-tailed Eagle breeding in arid western Australia. *Emu* 87: 143-149.
- ROBEL, R.J., DAYTON, A.D., HENDERSON, F.R., MEDUNA, R.L. & SPAETH, C.W. 1981. Relationships between husbandry methods and sheep losses to canine predators. *J. Wildl. Mgmt* 45: 894-911.
- ROBERTS, D.H. 1986. Determination of predators responsible for killing small livestock. *S. Afr. J. Wildl. Res.* 16: 150-152.
- ROBERTSON, G. 1987. Effect of drought on a breeding population of wedge-tailed eagles *Aquila audax*. *Emu* 87: 220-223.
- ROBINSON, T.J. 1981. Systematics of the South African *Leporidae*. D.Sc. thesis, University of Pretoria.
- ROGERS, J.G., Jr. 1974. Responses of caged red-winged black-birds to two types of repellents. *J. Wildl. Mgmt* 38: 418-423.
- ROPER, T.J., SHEPERDSON, D.J. & DAVIES, J.M. 1986. Scent marking with faeces and anal secretion in the European badger (*Meles meles*): seasonal and spatial characteristics of latrine use in relation to territoriality. *Behaviour* 97: 94-117.
- ROSKO, L. 1948. Losses of sheep from predatory animals on summer ranges in Iron County, Utah. *Ythad Coop. Wildl. Res. Unit Rep.* 16pp.
- ROUX, P.W. 1960. Fruit production, germination and survival of seedlings. M.Sc. thesis, University of Natal.

- ROUX, P.W. & OPPERMAN, D.P.J. 1986. Soil erosion. pp. 92-111. In: *The karoo biome: a preliminary synthesis. Part 1 - physical environment*, (eds.) R.M. Cowling, P.W. Roux & A.J.H. Pieterse, *S. Afr. Nat. Sci. Prog. Report No. 124*. 115pp.
- ROUX, P.W. & THERON, G.K. 1987. Vegetation change in the Karoo biome. pp. 50-69. In: *The karoo biome: a preliminary synthesis. Part 2 - vegetation and history*, (eds.) R.M. Cowling & P.W. Roux, *S. Afr. Nat. Sci. Prog. Report No. 142*. 133pp.
- ROUX, P.W. & VORSTER, M. 1983. Vegetation change in the Karoo. *Proc. Grassld Soc. sth. Afr.* 18: 25-29.
- ROUX, P.W., VORSTER, M., ZEEMAN, P.J.L. & WENTZEL, D. 1981. Stock production in the karoo region. *Proc. Grassld Soc. sth. Afr.* 16: 29-35.
- ROWE, E.G. 1947. The breeding biology of *Aquila verreauxi* Lesson. *Ibis* 89: 387-410, 576-606.
- ROWE-ROWE, D.T. 1975. Predation by black-backed jackals in a sheep farming region of Natal. *J. S. Afr. Wildl. Mange. Assoc.* 5: 79-81.
- ROWLEY, I. 1970. Lamb predation in Australia: Incidence, predisposing conditions, and the identification of wounds. *C.S.I.R.O. Wildl. Res.* 15: 79-123.
- RUDEBECK, G. 1950, 1951. The choice of prey and modes of hunting of predatory birds with special reference to their selective effect. *Oikos* 2: 65-88; and *Oikos* 3: 200-231.
- RUDNAL, J. 1974. The pattern of lion predation in Nairobi Park. *E. Afr. Wildl. J.* 12: 213-225.
- SALA, O.E. & LAUENROTH, W.K. 1982. Small rainfall events: an ecological role in semi-arid regions. *Oecologia (Berlin)* 53: 301-304.
- SALE, J.B. 1965. The feeding behaviour of rock hyrax (genera *Procavia* and *Heterohyrax*) in Kenya. *E. Afr. Wildl. J.* 3: 1-18.
- SALE, J.B. 1966a. The habitat of the rock hyrax. *J. E. Afr. Nat. Hist. Soc.* 25: 205-214.
- SALE, J.B. 1966b. Daily food consumption and mode of ingestion in the hyrax. *J. E. Afr. Nat. Hist. Soc.* 25: 215-224.
- SALE, J.B. 1970a. Unusual external adaptations in the rock hyrax. *Zool. Afr.* 5: 101-113.
- SALE, J.B. 1970b. The behaviour of the resting rock hyrax in relation to its environment. *Zool. Afr.* 5: 87-99.
- SAMPSON, C.G. 1985. Veld damage in the Karoo caused by its pre-trekboer inhabitants: preliminary observations in the Seacow Valley. First Annual Research Meeting of the Karoo Biome Project. Addo, October 1985.
- SAPSFORD, C.W. 1984. Raptor energetics: a perspective. pp. 173-179. In: *Proceedings of the Second Symposium on African Predatory Birds*. Natal Bird Club, Durban. 254pp.
- SAPSFORD, C.W. & MENDELSON, J. 1984. An evaluation of the use of tritium for estimating daily energy expenditure for wild Black-shouldered Kites *Elanus caeruleus* and Greater Kestrels *Falco rupicoloides*. pp. 183-194. In: *Proceedings of the Second Symposium on African Predatory Birds*. Natal Bird Club, Durban. 254pp.
- SCHAEFER, J.M., ANDREWS, R.D. & DINSMORE, J.J. 1981. An assessment of coyote and dog predation on sheep in southern Iowa. *J. Wildl. Mgmt* 45: 883-893.
- SCHMIDT-NIELSEN, K. 1983. *Animal physiology adaptation and environment*. Cambridge University Press, Cambridge.
- SCHNELL, J.H. 1968. The limiting effects of natural predation on experimental cotton rat populations. *J. Wildl. Mgmt* 32: 698-711.
- SCHRIVNER, J.H. & CONNER, J.R. 1984. Costs and returns of Angora goat enterprises with and without coyote predation. *J. Range Mgmt* 37: 166-171.
- SCHRIVNER, J.H., HOWARD, W.E., MURPHY, A.H. & HAYS, J.R. 1985. Sheep losses to predators on a California range 1973-1983. *J. Range Mgmt* 38: 418-421.
- SCHULZE, G.E. 1983. 'N moontlike verband tussen die Suidelike Ossiilasie / El Nino verskynsels en droogtes oor die somerreevalstrieke van Suid-Afrika. *Weather Bureau S. Afr. Newsl.* 410: 79-84.
- SCOTT, J. 1985. *The leopard's tale*. Elm Tree Books, London. 192pp.
- SCOTT, T.G. & KLIMSTRA, W.D. 1955. Red foxes and a declining prey population. *Monogr. Univ. S. Illinois*. No. 1.
- SERVENTY, D.L. 1974. The wedge-tailed eagle. *Australia's Wildlife Heritage* 4: 1857-1867.
- SHERMAN, P.W. 1981. Reproductive competition and infanticide in Belding's ground squirrels and other animals. pp. 311-331. In: *Natural Selection and Social Behavior*, (eds.) R.D. Alexander & D.W. Tinkle, Chiron Press, New York. 532pp.
- SHOEMAKER, V.H., NAGY, K.A. & COSTA, W.R. 1976. Energy utilization and temperature regulation by jack rabbits (*Lepus californicus*) in the Mojave Desert. *Physiol. Zool.* 49: 364-375.
- SHORT, J. 1985. The functional response of kangaroos, sheep and rabbits in an arid grazing system. *J. Appl. Ecol.* 22: 435-447.
- SIEGFRIED, W.R. 1963a. A preliminary report on black and martial eagles in the Laingsburg and Philipstown Divisions. Cape Department of Nature Conservation, Investigation Report No. 5.
- SIEGFRIED, W.R. 1963b. A preliminary evaluation of the economic status of *Corvidae* and their control on sheep farms in the Great Karoo. Cape Department of Nature Conservation, Investigation Report No. 4.
- SIEGFRIED, W.R. 1968. Breeding season, clutch and brood sizes in Verreaux's eagle. *Ostrich* 39: 139-145.
- SIH, A., CROWLEY, P., McPEEK, M., PETRANKA, J. & STROHMEIER, K. 1985. Predation, competition, and prey dynamics: A review of field experiments. *Ann. Rev. Ecol. Syst.* 16: 269-311.
- SIMMONS, R. 1988. Offspring quality and the evolution of cainism. *Ibis* 130: 339-357.
- SIMMONS, R. 1989. Adaptation and constraint in the breeding of subtropical harriers and eagles. Ph.D. thesis, University of the Witwatersrand, Johannesburg.
- SIMMONS, R. 1991. Offspring quality and sibling aggression in the black eagle. *Ostrich* 62: 89-92.
- SIMPSON, E.H. 1949. Measurement of diversity. *Nature* 163: 688.
- SIMPSON, M.J.A. & SIMPSON, A.E. 1982. Birth sex ratios and social rank in rhesus monkey mothers. *Nature* 300: 440-441.
- SINCLAIR, A.R.E. 1989. Population regulation in animals. pp. 197-241. In: *Ecological concepts*, (ed.) J.M. Cherrert, Blackwell, Oxford.
- SINCLAIR, A.R.E., OLSEN, P. & REDHEAD, T.D. 1990. Can predators regulate small mammal populations?: evidence from house mouse outbreaks in Australia. *Oikos* 59: 382-392.

- SKINNER, J.D. 1979. Feeding behaviour in caracal *Felis caracal*. *J. Zool., Lond.* 166: 233-244.
- SKINNER, J.D. 1993. Springbok (*Antidorcas marsupialis*) treks. *Trans. Roy. Soc. S. Afr.* 48: 291-305.
- SKINNER, J.D., DOTT, H.M., VAN AARDE, R.J., DAVIES, R.A.G. & CONROY, A.M. 1987. Observations on a population of springbok *Antidorcas marsupialis* prior to and during a karoo drought. *Trans. Roy. Soc. S. Afr.* 46: 191-197.
- SKINNER, J.D. & SMITHERS, R.H.N. 1990. *The mammals of the southern African sub-region*. University of Pretoria, Pretoria. 771pp.
- SKOGLAND, T. 1974. Villreinens habitatatferd, økologiske og sosiale faktorer. *Utrykt progresjons-rapport til DVF*.
- SKORUPA, J.P. 1986. Crowned eagle breeding chronology and diet in rainforest. *Gabar* 1: 59.
- SLADE, L.M. & HINTZ, H.F. 1969. Comparison of digestion in horses, ponies, rabbits and guinea pigs. *J. Anim. Sci.* 28: 842-843.
- SLOBODKIN, L.B. 1968. How to be a predator. *Am. Zool.* 8: 43-51.
- SLOBODKIN, L.B. 1992. A summary of the special feature and comments on its theoretical context and importance. *Ecology* 73: 1564-1566.
- SMITH, A.T. 1974. The distribution and dispersal of pikas: influences of behavior and climate. *Ecology* 55: 1368-1376.
- SMITH, F.E. 1972. Spatial heterogeneity, stability and diversity in ecosystems. In: *Growth by Intussusception, Ecological Essays in Honour of G. Evelyn Hutchinson*. *Trans. Conn. Acad. Arts Sci.* 44: 309-335.
- SMITH, I.D. 1964. Ovine neonatal mortality in western Queensland. *Proc. Aust. Soc. Anim. Prod.* 5: 100-106.
- SMITH, I.D. 1965. Reproductive wastage in Merino sheep in semi-arid tropical Queensland. *Aust. J. exp. Agric. Anim. Husb.* 5: 110-114.
- SMITH, T.M. & SHUGART, H.H. 1987. Territory size variation in the Ovenbird: the role of habitat structure. *Ecology* 68: 695-704.
- SMITHERS, R.H.N. 1971. The mammals of Botswana. *Mus. mem. Natl Mus. Monum. Rhod.* 4: 1-340.
- SNOW, D.W. (ed.). 1978. *An Atlas of Speciation in African Non-Passerine Birds*. Trustees of the British Museum (Natural History), London. 390pp.
- SNYDER, N.F. & SNYDER, H.A. 1973. Experimental study of feeding rates of nesting Cooper's hawks. *Condor* 75: 461-463.
- SOLOMON, M.E. 1976. *Population dynamics*. Edward Arnold, London.
- SOUTHERN, H.N. 1954. Tawny owls and their prey. *Ibis* 96: 384-410.
- SOUTHERN, H.N. & LOWE, V.P.W. 1982. Predation by tawny owls (*Strix aluco*) on bank voles (*Clethrionomys glareolus*) and wood mice (*Apodemus sylvaticus*). *J. Zool., Lond.* 198: 83-102.
- SPINAGE, C.A. 1973. A review of the age determination of mammals by means of teeth, with special reference to Africa. *E. Afr. Wildl. J.* 11: 165-187.
- SPOFFORD, W.R. 1964. The golden eagle in the Trans-Pecos and Edwards Plateau of Texas. Audubon Conservation Report 1. National Audubon Society, New York. 47pp.
- SPOFFORD, W.R. 1975. The problems of golden eagles in the west. Population Status of Raptors, Raptor Res. Rep. 3: 127-128.
- SQUIRES, V.R. 1975. Ecology and behaviour of domestic sheep (*Ovis aries*): A review. *Mammal Rev.* 5: 35-57.
- St. AMANT, J. 1970. The mathematics of predator-prey interactions. M.A. thesis, Univ. of California, Santa Barbara.
- STALMASTER, M.V. & GESSAMAN, J.A. 1982. Food consumption and energy requirements of captive bald eagles. *J. Wildl. Mgmt* 46: 646-654.
- STALMASTER, M.V. & GESSAMAN, J.A. 1984. Ecological energetics and foraging behavior of overwintering bald eagles. *Ecol. Monogr.* 54: 407-428.
- STEENKAMP, J.D.G. 1975. Guidelines to the use of dental histology in wildlife research. *J. S. Afr. Wildl. Mgmt Assoc.* 5: 89-94.
- STERNER, R.T. & SHUMAKE, A. 1978. Coyote damage-control research: a review and analysis. pp. 297-325. In: *Coyotes - biology, behavior, and management*, (ed.) M. Bekoff, Academic Press, New York.
- STEWART, P.A. 1970. Weight changes and feeding behavior of a captive-reared bald eagle. *Bird-Banding* 41: 103-110.
- STEYN, D. 1980. Reproduction in the hyrax, *Procavia capensis* in relation to environmental factors. M.Sc. thesis, University of Natal, Pietermaritzburg.
- STEYN, D. & HANKS, J. 1983. Age determination and growth in the hyrax *Procavia capensis* (Mammalia: Procaviidae). *J. Zool., Lond.* 201: 247-257.
- STEYN, P. 1982. *Birds of prey of southern Africa*. David Philip, Cape Town. 309pp.
- STEYN, P. 1984. Black eagles (R133) dropping tortoises. *Promerops* 162: 12.
- STEYN, P. & TREGOLD, D. 1977. Observations on the Cape eagle owl. *Bokmakierie* 29: 31-42.
- STUART, C.T. 1981. Notes on the mammalian carnivores of the Cape Province, South Africa. *Bontebok* 1: 1-58.
- STUART, C.T. 1982. Aspects of the biology of the caracal (*Felis caracal* Schreber, 1766) in the Cape Province, South Africa. M.Sc. thesis, University of Natal, Pietermaritzburg.
- STUART, C.T. 1984. The distribution and status of *Felis caracal* Schreber, 1776. *Säugetier. Mitteil.* 31: 197-203.
- STUART, C.T. 1986. The incidence of surplus killing by *Panthera pardus* and *Felis caracal* in Cape Province, South Africa. *Mammalia* 50: 556-558.
- STUART, C.T. 1987a. A few facts on problem-animal control in the Cape Province. *Afr. Wildl.* 41: 58.
- STUART, C.T. 1987b. Problem-animal management or mismanagement. *Afr. Wildl.* 41: 54-56.
- STUART, C.T., MACDONALD, I.A.W. & MILLS, M.G.L. 1985. History, current status and conservation of large mammalian predators in Cape Province, Republic of South Africa. *Biol. Conserv.* 31: 7-19.
- STUART, C.T., STUART, T.D. & BRAACK, H.H. 1987. New mammal records for the Karoo National Park, with notes on several other species. *Koedoe* 30: 133-137.
- STUART, D.R.M. 1971. Food preferences of *Pronolagus*. *E. Afr. Wildl. J.* 9: 163.
- SVENDSEN, G.E. 1979. Territoriality and behavior in a population of pikas (*Ochotona princeps*). *J. Mammal.* 60: 324-330.

- SVENDSEN, R.S. 1980. Kongeorn *Aquila chrysaetos* angrep sau. *Var Fuglefauna* 3: 20-26.
- SWART, J., PERRIN, M.R., HEARNE, J.W. & FOURIE, L.J. 1986. Mathematical model of the interaction between rock hyrax and caracal lynx, based on demographic data from populations in the Mountain Zebra National Park, South Africa. *S. Afr. J. Sci.* 82: 289-294.
- TAKAFUJI, A. 1977. The effect of the rate of successful dispersal of a phytoseiid mite, *Phytoseiulus persimilis* Athias-Henriot (Acarine: Phytoseiidae) on the persistence in the interactive system between the predator and its prey. *Researches on Population Ecology* 18: 210-222.
- TARBOTON, W.R. & ALLAN, D.G. 1984. The status and conservation of birds of prey in the Transvaal. *Transvaal Museum Monograph* 3: 115pp.
- TAST, J. & KALELA, O. 1971. Comparisons between rodent cycles and plant production in Finnish Lapland. *Ann. Acad. Sci. fenn. (AIV)* 186: 1-14.
- TAYLOR, R.G., WORKMAN, J.P. & BOWNS, J.E. 1979. The economics of sheep predation in south-western Utah. *J. Range Mgmt* 32: 317-321.
- TAYLOR, R.H. & WILLIAMS, R.M. 1956. The use of pellet counts for estimating the density of populations of the wild rabbit, *Oryctolagus cuniculus* (L.). *N. Z. J. Sci.* 38b: 236-256.
- TAYLOR, R.J. 1984. Predation. Population and community biology series. Chapman & Hall, London. 166pp.
- TEMPLE, S. 1972. A portable time-lapse camera for recording wildlife activity. *J. Wildl. Mgmt* 36: 944-947.
- TEXAS CROP AND LIVESTOCK REPORTING SERVICE. 1979. Texas sheep and goat losses and marketing practices. Texas Dep. Agric.
- THOMAS, A.D. 1946. The Cape dassie. *Afr. Wildl.* 1: 108-111.
- THOMPSON, D.Q. 1955. The role of food and cover in population fluctuations of the brown lemming at Point Barrow, Alaska. pp. 166-176. In: *Trans. XX<sup>th</sup> North Am. Wildl. Conf.*
- TIGNER, J.R. & LARSON, G.E. 1977. Sheep losses on selected ranches in southern Wyoming. *J. Range Mgmt* 30: 244-252.
- TIGNER, J.R. & LARSON, G.E. 1981. Golden eagles: scavengers and predators on domestic lambs. Pages 359-361. In: *1982 Wildlife-Livestock Relationships Symposium: Proc. 10. April 20-22, 1981. For. Wildl. Range Exp. Stn.* (eds.) J.M. Peek & P.D. Dalke, Univ. Idaho, Moscow. 614pp.
- TINBERGEN, L. 1940. Beobachtungen über die Arbeitsteilung des Turmfalken (*Falco tinnunculus* L.) während der Fortpflanzungszeit. *Ardea* 29: 63-98.
- TINBERGEN, L. 1946. Sperver als Roofvijand van Zangvogels. *Ardea* 34: 1-123.
- TINBERGEN, L. 1960. The natural control of insects in pine woods. I. Factors influencing the intensity of predation in song birds. *Arch. Néerl. Zool.* 13: 265-343.
- TJERNBERG, M. 1981. Diet of the golden eagle *Aquila chrysaetos* during the breeding season in Sweden. *Holarct. Ecol.* 4: 12-19.
- TJERNBERG, M. 1985. Spacing of golden eagle *Aquila chrysaetos* nests in relation to nest site and food availability. *Ibis* 27: 250-255.
- TRAUTMAN, C.G., FREDERICKSON, L.F. & CARTER, A.V. 1973. Relationships of red foxes and other predators to populations of ring-necked pheasants and other prey, 1964-71. S. Dakota Dept Game, Fish, & Parks, P-R Prog. Rep., Project W-75-R-9, Job F-8-2-9.
- TROSTEL, K., KREBS, C.J., SINCLAIR, A.R.E. & WALTERS, C.J. 1987. Can predation cause the 10-year hare cycle. *Oecologia* 74: 185-192.
- TRUSWELL, J.F. 1977. *The geological evolution of South Africa*. Purnell, Cape Town.
- TUER, F.V. 1965. Observations on the black eagle. *Honeyguide* 47: 29-33.
- TURK, A. & ARNOLD, W. 1988. Thermoregulation as a limit to habitat use in alpine marmots (*Marmota marmota*). *Oecologia* 76: 544-548.
- TURNER, A.J. 1965. A survey of neo-natal lamb losses in a western district sheep flock. *Vic. vet. Proc.* 23: 439-444.
- TURNER, M.I.M. & WATSON, R.M. 1965. An introductory study on the ecology of hyrax (*Dendrohyrax brucei* and *Procavia johnstoni*) in the Serengeti National Park. *E. Afr. Wildl. J.* 3: 49-60.
- TYSON, P.D. 1983. The great drought. *Leadership SA* 2(3): 49-57.
- TYSON, R.D. 1986. *Climatic change and variability in southern Africa*. Oxford University Press, Cape Town. 220pp.
- U.S. FISH & WILDLIFE SERVICE. 1978. Predator damage in the West: A study of coyote management alternatives. U.S. Dep. Inter., Fish & Wildl. Serv., Washington, D.C. 168pp.
- UTTENDÖRFER, O. 1939. Die Ernährung der Deutschen Raubvögel und Eulen. Neudamm.
- VAN BALLEMBERGHE, V. 1987. Effects of predation on moose numbers: a review of recent North American studies. *Swed. Wildl. Res. Suppl.* 1: 431-460.
- VAN DER HORST, C.J. 1941. On the size of the litter and the gestation period of *Procavia capensis*. *Science* 93: 430-431.
- VAN DER MERWE, M. & SKINNER, J.D. 1982. Annual reproductive pattern in the dassie *Procavia capensis*. *S. Afr. J. Zool.* 17: 130-135.
- VAN DER MERWE, P.J. 1938. *Die Noordwaartse beweging van die boere voor die Groot Trek (1770 - 1842)*. Van Stockum & Zoon, The Hague.
- VAN DOBBEN, W.H. 1952. The food of the Cormorant in the Netherlands. *Ardea* 40: 1-63.
- VAN ZYL, A.J. 1992. Do breeding pairs of martial eagles hold "super-normal" territories? *Gabar* 7: 9-10.
- VARLEY, G.C. & GRADWELL, G.R. 1960. Key factors in population studies. *J. Anim. Ecol.* 29: 399-401.
- VENTER, J.M., MOCKE, C. & DE JAGER, J.M. 1986. Climate. pp. 39-52. In: *The karoo biome: a preliminary synthesis. Part 1 - physical environment*, (eds.) R.M. Cowling, P.W. Roux & A.J.H. Pieterse, S. Afr. Nat. Sci. Prog. Report No. 124. 115pp.
- VERHULST, P.F. 1838. Notice sur la loi que la population suite dans son accroissement. *Correspondence Mathématique et Physique* 10: 113-121.
- VERME, L.J. 1983. Sex ratio variation in *Odocoileus*: a critical review. *J. Wildl. Mgmt* 47: 573-582.

- VERNON, C.J. 1965. The 1964 black eagle survey of the Matopos, Rhodesia. *Arnoldia* 2: 1-9.
- VILJOEN, S. & DAVIS, D. 1973. Notes on the stomach contents analyses of various carnivores in southern Africa. *Annals of the Transvaal Museum* 28: 353-363.
- VILLAGE, A. 1982. The home range and density of kestrels in relation to vole abundance. *J. Anim. Ecol.* 51: 413-428.
- VISSER, J. 1963. The black eagles of Zuurhoek, Jansenville. *Afr. Wildl.* 17: 191-194.
- VISSER, J.N.J. 1986. Geology. pp. 1-17, In: *The karoo biome: a preliminary synthesis. Part 1 - physical environment*, (eds.) R.M. Cowling, P.W. Roux & A.J.H. Pieterse, *S. Afr. Nat. Sci. Prog. Report* No. 124. 115pp.
- VOLTERRA, V. 1931. Variations and fluctuations of the number of individuals in animal species living together. Translated from 1928 edition by R.N. Chapman. *Animal Ecology*. Arno, New York.
- VORSTER, M., BOTHA, P. & HOBSON, F.O. 1983. The utilization of karoo veld by livestock. *Proc. Grassld Soc. sth. Afr.* 18: 35-39.
- VORSTER, M. & ROUX, P.W. 1983. Veld of the karoo areas. *Proc. Grassld Soc. sth. Afr.* 18: 18-24.
- WADE, D.A. 1982. Impacts, incidence and control of predation on livestock in the United States, with particular reference to predation by coyotes. *Council Agric. Sci. & Technol.*, No. 10.
- WADE, D.A. AND BOWNS, J.E. 1980. Procedures for evaluating predation on livestock and wildlife. Published jointly by: Texas Agric. Ext. Serv., Texas A and M University, and U.S. Fish and Wildl. Serv. 42pp.
- WAGNER, F.H. 1972. Coyotes and sheep. 44<sup>th</sup> Faculty Honor Lecture. Faculty Assoc., Utah State Univ., Logan. 59pp.
- WAGNER, F.H. & PATTISON, L.G. 1973. Analysis of existing data on sheep loss and predator activity. pp. 18-35. In: Final Rep. to the Four Corners Regional Commission on Predator Control study, (ed.) F.H. Wagner, Utah State Univ., Logan. 47pp.
- WAGNER, J.C. & BOKKENHEUSER, V. 1961. The mycobacterium isolated from the dassie *Procavia capensis* (Pallas). *Tubercle* 42: 47-56.
- WAGNER, J.C., BUCHANAN, G., BOKKENHEUSER, V. & LEVISEUR, S. 1958. An acid-fast bacillus isolated from the lungs of the Cape hyrax, *Procavia capensis* (Pallas). *Nature* 181: 284-285.
- WALSKI, T.W. & MAUTZ, W.W. 1977. Nutritional evaluation of three winter browse species of snowshoe hares. *J. Wildl. Mgmt* 41: 144-147.
- WATSON, A. & MILLER, G.R. 1971. Territory size and aggression in a fluctuating red grouse population. *J. Anim. Ecol.* 367-383.
- WATSON, A. & ROTHERY, P. 1986. Regularity in spacing of golden eagle *Aquila chrysaetos* nests used within years in northeast Scotland. *Ibis* 128: 406-408.
- WATSON, J. & LANGSLOW, D.R. 1989. Can food supply explain variation in nesting density and breeding success amongst golden eagles *Aquila chrysaetos*? pp. 181-186. In: *Raptors in the Modern World*, (eds.) B.-U. Meyburg & R.D. Chancellor, WWGBP, Berlin.
- WATSON, R.T. 1987. Flight identification of bateleur age classes: a conservation incentive. *Bokmakierie* 39: 37-39.
- WATSON, R.T. 1988. The influence of nestling predation on nest site selection and behaviour of the bateleur. *S. Afr. J. Zool.* 23: 143-149.
- WATSON, R.T. 1990. Population dynamics of the bateleur in the Kruger National Park. *Ostrich* 61: 5-12.
- WEBBER, C.N. 1989. Park was an inland sea. *Custos* 17(12): 15-17.
- WEIR, D.N. 1985. Golden eagles and lambs in Badenoch, Highland. *Scott. Birds* 13: 263-267.
- WERGER, M.J.A. 1978. The Karoo-Namib region. 231-299pp. In: *Biogeography and ecology of southern Africa*, (ed.) M.J.A. Werger, W Junk, The Hague.
- WERGER, M.J.A. 1986. The Karoo and southern Kalahari. pp. 283-359. In: *Ecosystems of the World 12B: Hot Deserts and Arid Shrublands, B*, (eds.) D.W. Goodall, M. Evaneri & I. Noy-Meir, Elsevier, Amsterdam. 451pp.
- WHITE, E.G. & HUFFAKER, C.B. 1969. Regulatory processes and population cyclicity in laboratory populations of *Anagosta kühniella* (Zeller) (Lepidoptera: Phycitidae). II. parasitism, predation, competition, and protective cover. *Researches on Population Ecology* 11: 150-185.
- WHITE, F. 1983. *The vegetation of Africa*. Unesco, Paris.
- WHITE, I.J. unpubl. Aspects of lion's predator:prey relationship with wildebeest and other prey species in the Kruger National Park. International symposium on predator-prey relationships, Zool. Soc. sth. Afr., Pretoria, June 1988 (oral presentation).
- WHITE, M. 1973. Description of remains of deer fawns killed by coyotes. *J. Mammal.* 54: 291-293.
- WHITFIELD, P. 1985. Raptor predation on wintering waders in south-east Scotland. *Ibis* 127: 544-558.
- WHORISKEY, F.G. & FITZGERALD, G.J. 1985. The effects of bird predation on an estuarine stickleback (*Pisces: Gasterosteidae*) community. *Can. J. Zool.* 63: 301-307.
- WILEY, R.W. & BOLEN, E.G. 1971. Eagle-livestock relationships: Livestock carcass census and wound characteristics. *Southwest. Nat.* 16: 151-169.
- WILLGOHS, J.F. 1961. The white-tailed eagle *Haliaeetus albicilla albicilla* (Linné) in Norway. *Univ. Bergen Arb., Math.-Naturv. Serv.* 12: 1-212.
- WILLIAMSON, D.T. & MBANO, B. 1988. Wildebeest mortality during 1983 at Lake Xau, Botswana. *Afr. J. Ecol.* 26: 341-344.
- WOLFF, J.O. 1980. The role of habitat patchiness in the population dynamics of snowshoe hares. *Ecological Monographs* 50: 111-130.
- WOOD, D.H. 1980. The demography of a rabbit population in an arid region of New South Wales, Australia. *J. Anim. Ecol.* 49: 55-79.
- WOODFORD, W.H. 1966. *A manual of falconry*. A. & C. Black, London.
- WOODROFFE, G.L. & LAWTON, J.H. 1990. Patterns in the production of latrines by water voles (*Arvicola terrestris*) and their use as indices of abundance in population surveys. *J. Zool., Lond.* 220: 439-445.
- YOM-TOV, Y. In Press. Does the rock hyrax, *Procavia capensis*, conform with Bergmann's rule? *Zool. J. Linn. Soc.* in press.
- ZEUNER, F.E. 1963. *A history of domesticated animals*. Hutchinson, London.