

Table S1: mating system and dispersal data for mammals.

taxonomy	Latin name	common name	social mating system	male dispersal distance (m)	female dispersal distance (m)	dispersal sex-bias	sources
Artiodactyla							
Cervidae	<i>Odocoileus hemionus</i>	mule deer	non-monogamy	15,200	12,200	male	Anderson & Wallmo 1984; Bunnell & Harestad 1983
	<i>Odocoileus virginianus</i> [^]	white-tailed deer	non-monogamy	18,500; 12,900*	19,500; 8,200*	-	Dusek et al. 1989
Carnivora							
Canidae	<i>Canis latrans</i>	coyote	monogamy	42,016*; 176,000#	42,250*; 232,200#	female	Andrews & Boggess 1978; Bekoff, 1977, Bowen 1982; Harrison 1992; Roy & Dorrance 1985
	<i>Canis lupus</i>	wolf	monogamy	154,000	123,000	male	Ballard et al. 1997; Gese & Mech 1991
	<i>Lycaon pictus</i>	African wild dog	non-monogamy	40,700*	19,000*	male	McNutt 1996; Nowak 1991
	<i>Urocyon cinereoargenteus</i>	grey fox	monogamy	16,000*	5,200*	male	Fritzelle & Haroldson 1982; Tullar & Berchielli 1982
	<i>Vulpes vulpes</i>	red fox	monogamy	29,002*	13,708*	male	Jensen 1973; Storm et al. 1976; Tullar & Berchielli 1980
Felidae	<i>Lynx lynx</i>	northern lynx	non-monogamy	60,250	7,000	male	Nowak 1991; Schmidt 1998
	<i>Puma concolor</i>	cougar	non-monogamy	37,300	11,300	male	Currier 1983; Maehr et al. 2002
Herpestidae	<i>Helogale parvula</i>	dwarf mongoose	monogamy	250*	750*	female	Nowak 1991; Rood 1987

Mustelidae	<i>Gulo gulo</i>	wolverine	non-monogamy	51,000	60,000	female	Vangen et al. 2001; Wilson 1982
	<i>Martes pennant</i> [^]	fisher	non-monogamy	10,800; 10,700 [*]	11,200; 10,000 [*]	-	Arthur et al. 1993; Nowak 1991
	<i>Mephitis mephitis</i> [^]	striped skunk	non-monogamy	3,000	2,900	male	Nowak 1991; Rosatte & Gunson 1984
	<i>Mustela erminea</i>	ermine	non-monogamy	1,986 [*] ; 5,600 [#]	754 [*] ; 1,000 [#]	male	Erlinge 1977; King 1983
	<i>Mustela putorius</i>	ferret	non-monogamy	6,700	11,800	female	Byrom 2002; Nowak 1991
	<i>Mustela vison</i>	mink	non-monogamy	18,024	26,553	female	Mitchell 1961; Nowak 1991
	<i>Taxidea taxus</i>	North American badger	non-monogamy	11,000 [*] ; 110,000 [#]	13,500 [*] ; 52,000 [#]	female (based on medians)	Lindzey 1978; Long 1973; Messick & Hornocker 1981
Procyonidae	<i>Procyon lotor</i>	raccoon	non-monogamy	9,700; 14,400 [*]	600; 10,900 [*]	male	Gehrt & Fritzell 1998; Stuewer 1943
Ursidae	<i>Ursus americanus</i>	American black bear	non-monogamy	61,000; 49,000 [*]	7,333; 8,000 [*]	male	Larivière 2001; Rogers 1987
	<i>Ursus arctos</i>	grizzly bear	non-monogamy	29,900; 5,500 [*] ; 134,000 [#]	9,800; 9,500 [*] ; 82,000 [#]	male	Glenn & Miller 1980; McLellan & Hovey 2001; Pasitschniak-Arts 1993; Pearson 1972

Dasyuromorphia

Dasyuridae	<i>Phascogale tapoatafa</i>	brush-tailed phascogale	monogamy	5,800; 4,500 [*]	1,100; 650 [*]	male	Nowak 1991; Soderquist & Lill 1995
------------	-----------------------------	-------------------------	----------	------------------------------	-------------------------	------	------------------------------------

Didelphimorphia

Didelphidae	<i>Didelphis virginiana</i>	Opossum	non-monogamy	1,661 [*]	1,882 [*]	female	Gillette 1980; Nowak 1991
-------------	-----------------------------	---------	--------------	--------------------	--------------------	--------	---------------------------

Lagomorpha

Leporidae	<i>Oryctolagus cuniculus</i>	European rabbit	non-monogamy	220	80	male	Nowak 1991; Richardson et al. 2002
	<i>Sylvilagus floridanus</i>	eastern cottontail	non-monogamy	54	42	male	Chapman et al. 1980; Chapman & Tretheway 1972
Ochotonidae	<i>Ochotona curzoniae</i>	plateau pika	monogamy	46	15	male	Dobson et al. 1998

Primates

Cheirogaleidae	<i>Microcebus murinus</i>	grey mouse lemur	non-monogamy	251*	63*	male	Radespiel et al. 2003
Hominidae	<i>Hylobates lar</i>	gibbon	monogamy	620; 500*	1400; 1400*	female	Brockelman 1998; Leighton 1987

Rodentia

Castoridae	<i>Castor canadensis</i>	beaver	monogamy	3,490; 1,990*	10,150; 6,060*	female	Jenkins & Busher 1979; Sun et al. 2000
Geomysidae	<i>Thomomys bottae</i>	Botta's pocket gopher	non-monogamy	81; 45*	53; 20*	male	Daly & Patton 1990; Nowak 1991
Heteromyidae	<i>Dipodomys merriami</i>	Merriam's kangaroo rat	non-monogamy	62*; 250#	50*; 158#	male	Jones 1989; Randall 1993
	<i>Dipodomys spectabilis</i>	banner-tailed kangaroo rat	non-monogamy	75*; 900#	75*; 2,000#	female or equal between sexes	Jones 1987; Jones et al. 1988; Randall 1993
	<i>Dipodomys stephensi</i>	Stephens' kangaroo rat	non-monogamy	30	39	female	Price et al. 1994; Randall 1993

Hydrochoeridae	<i>Hydrochaeris hydrochaeris</i>	capybara	non-monogamy	4,025*	3,500*	male	Herrera 1992; Herrera & McDonald 1993
Muridae	<i>Microtus agrestis</i>	field vole	non-monogamy	59; 159 [#]	29; 194 [#]	male	Nowak 1991; Sandell et al. 1990
	<i>Microtus ochrogaster</i>	prairie vole	monogamy	33; 23 [*] ; 136 [#]	29; 18 [*] ; 127 [#]	male	McGuire et al. 1993
	<i>Microtus townsendii</i> [^]	Townsend's vole	non-monogamy	19	12	male	Lambin 1994; Nowak 1991
	<i>Ondatra zibethicus</i>	muskrat	monogamy	65	41	male	Caley 1987; Errington & Errington 1937; Errington 1944; Willner et al. 1980
	<i>Peromyscus californicus</i>	California mouse	monogamy	41 [*] ; 450 [#]	97 [*] ; 791 [#]	female	Ribble 1992
	<i>Peromyscus leucopus</i>	white-footed mouse	non-monogamy	102 [*]	57 [*]	male	Jacquot & Vessey 1995; Keane 1990; Lackey et al. 1985
	<i>Peromyscus maniculatus</i>	deer mouse	non-monogamy	183 [*] ; 883 [#]	107 [*] ; 1005 [#]	male (based on medians)	Dice & Howard 1951
	<i>Peromyscus polionotus</i>	old-field mouse	monogamy	175	141	male	Swilling & Wooten 2002
Sciuridae	<i>Cynomys gunnisoni</i>	Gunnison's prairie dog	non-monogamy	198	126	male	Hoogland 1999
	<i>Marmota flaviventris</i>	yellow-bellied marmot	non-monogamy	1,825 [*]	350 [*]	male	Van Vuren 1990
	<i>Sciurus carolinensis</i>	eastern grey squirrel	non-monogamy	235 [*]	175 [*]	male	Cordes & Barkalow 1972
	<i>Tamias striatus</i>	eastern chipmunk	non-monogamy	345; 174 [*]	85; 25 [*]	male	Elliott 1978; Loew 1999
	<i>Tamiasciurus hudsonicus</i>	North American red squirrel	non-monogamy	253	301	female	Larsen & Boutin 1994; Wauters & Dhondt 1993
	<i>Urocitellus columbianus</i>	Columbian ground squirrel	non-monogamy	351 [*]	338 [*]	male	Hackett 1987 ; Murie & Harris 1984
	<i>Urocitellus parryii</i>	Arctic ground squirrel	non-monogamy	515; 241 [*]	120; 61 [*]	male	Byrom & Krebs 1999; Nowak 1991

#: maximum dispersal distance
*: median dispersal distance
^: not included in phylogenetic analysis

Sources:

- Anderson, A.E. & Wallmo, O.C.** 1984. *Odocoileus hemionus*. *Mammalian Species*, **219**, 1-9.
- Andrews, R. D. & Boggess, E. K.** 1978. Ecology of coyotes in Iowa. In: *Coyotes: biology, behavior, and management*. (Ed. by M. Bekoff), pp. 249-265. New York: Academic Press.
- Arthur, S. M., Paragi, T. F., & Krohn, W. B.** 1993. Dispersal of juvenile fishers in Maine. *Journal of Wildlife Management*, **57**, 868-874.
- Ballard, W. B., Ayres, L. A., Krausman, P. R., Reed, D. J., & Fancy, S. G.** 1997. Ecology of wolves in relation to a migratory caribou herd in northwest Alaska. *Wildlife Monographs*, **135**, 5-47.
- Bekoff, M.** 1977. *Canis latrans*. *Mammalian Species*, **79**, 1-9.
- Bowen, W. D.** 1982. Determining age of coyotes, *Canis latrans*, by tooth sections and tooth-wear patterns. *Canadian Field Naturalist*, **96**, 339-341.
- Brockelman, W. Y., Reichard, U., Treesucon, U., & Raemaekers, J. J.** 1998. Dispersal, pair formation and social structure in gibbons (*Hylobates lar*). *Behavioral Ecology and Sociobiology*, **42**, 329-339.
- Bunnell, F. L. & Harstad, A. S.** 1983. Dispersal and dispersion of black-tailed deer: models and observations. *Journal of Mammalogy*, **64**, 201-209.
- Byrom, A. E.** 2002. Dispersal and survival of juvenile feral ferrets *Mustela furo* in New Zealand. *Journal of Applied Ecology*, **39**, 67-78.
- Byrom, A. E. & Krebs, C. J.** 1999. Natal dispersal of juvenile arctic ground squirrels in the boreal forest. *Canadian Journal of Zoology-Revue Canadienne de Zoologie*, **77**, 1048-1059.
- Caley, M. J.** 1987. Dispersal and inbreeding avoidance in muskrats. *Animal Behaviour*, **35**, 1225-1233.
- Chapman, J. A. & Tretheway, D. E. C.** 1972. Movements within a population of introduced eastern cottontail rabbits. *Journal of Wildlife Management*, **36**, 155-158.
- Chapman, J. A., Hockman, J. G., & Ojeda C., M. M.** 1980. *Sylvilagus floridanus*. *Mammalian Species*, **136**, 1-8.

- Cordes, C. L. & Barkalow, F. S. Jr.** 1972. Home range and dispersal in a North Carolina gray squirrel population. *Proceedings of the Southeastern Association of Game and Fish Commissioners*, **26**, 124-135.
- Currier, M. J. P.** 1983. *Felis concolor*. *Mammalian Species*, **200**, 1-7.
- Daly, J. C. & Patton, J. L.** 1990. Dispersal, gene flow, and allelic diversity between local populations of *Thomomys bottae* pocket gophers in the coastal ranges of California. *Evolution*, **44**, 1283-1294.
- Dice, L. R., & Howard, W. E.** 1951. Distance of dispersal by prairie deer mice from birthplaces to breeding sites. *Contributions from the Laboratory of Vertebrate Biology*, **50**, 1-15.
- Dobson, F. S., Smith, A. T., & Gao, W. X.** 1998. Social and ecological influences on dispersal and philopatry in the plateau pika (*Ochotona curzoniae*). *Behavioral Ecology*, **9**, 622-635.
- Dusek, G. L., Mackie, R. J., Herriges, J. D., Jr., & Compton, B. B.** 1989. Population ecology of white-tailed deer along the lower Yellowstone River. *Wildlife Monographs*, **104**, 1-68.
- Elliott, L.** 1978. Social behavior and foraging ecology of the eastern chipmunk (*Tamias striatus*) in the Adirondack Mountains. *Smithsonian Contributions to Zoology*, **265**, 1-107.
- Erlinge, S.** 1977. Spacing strategy in stoat *Mustela erminea*. *Oikos*, **28**, 32-42.
- Errington, P. L.** 1944. Additional studies on tagged young muskrats. *Journal of Wildlife Management*, **8**, 300-306.
- Errington, P. L. & Errington, C. S.** 1937. Experimental tagging of young muskrats for purpose of study. *Journal of Wildlife Management*, **1**, 49-61.
- Fritzell, E. K. & Haroldson, K. J.** 1982. *Urocyon cinereoargenteus*. *Mammalian Species*, **189**, 1-8.
- Gehrt, S. D. & Fritzell, E. K.** 1998. Duration of familial bonds and dispersal patterns for raccoons in south Texas. *Journal of Mammalogy*, **79**, 859-872.
- Gese, E. M. & Mech, L. D.** 1991. Dispersal of wolves (*Canis lupus*) in northeastern Minnesota, 1969-1989. *Canadian Journal of Zoology-Revue Canadienne de Zoologie*, **69**, 2946-2955.
- Gillette, L. N.** 1980. Movement patterns of radio-tagged opossums in Wisconsin. *American Midland Naturalist*, **104**, 1-12.
- Glenn, L. P. & Miller, L. H.** 1980. Seasonal movements of an Alaska peninsula brown bear population. In: *Bears: Their Biology and Management : A Selection of Papers from the Fourth International Conference on Bear Research and Management, Kalispell, Montana, USA, February 1977*. (Ed. Martinka, C. J. & MacArthur, K. L.), pp. 307-312, Tonto Basin, AZ: The Bear Biology Association.

- Hackett, D. F.** 1987. Dispersal of yearling Columbian ground squirrels. Ph.D. thesis, University of Alberta.
- Harrison, R. L.** 1992. Dispersal characteristics of juvenile coyotes in Maine. *Journal of Wildlife Management*, **56**, 128-138.
- Herrera, E. A.** 1992. Growth and dispersal of capybaras (*Hydrochaeris hydrochaeris*) in the llanos of Venezuela. *Journal of Zoology*, **228**, 307-316.
- Herrera, E. A. & McDonald, D. W.** 1993. Aggression, dominance, and mating success among capybara males (*Hydrochaeris hydrochaeris*). *Behavioral Ecology*, **4**, 114-119.
- Hoogland, J. L.** 1999. Philopatry, dispersal, and social organization of Gunnison's prairie dogs. *Journal of Mammalogy*, **80**, 243-251.
- Jacquot, J. J. & Vessey, S. H.** 1995. Influence of the natal environment on dispersal of white-footed mice. *Behavioral Ecology and Sociobiology*, **37**, 407-412.
- Jenkins, S.H. & Busher, P. E.** 1979. *Castor canadensis*. *Mammalian Species*, **120**, 1-8.
- Jensen, B.** 1973. Movements of the red fox (*Vulpes vulpes* L.) in Denmark investigated by marking and recovery. *Danish Review of Game Biology*, **8**, 3-20.
- Jones, W. T.** 1987. Dispersal patterns in kangaroo rats (*Dipodomys spectabilis*). In: *Mammalian Dispersal Patterns: The effects of social structure on population genetics*. (Ed. by Chepko-Sade, B. D. & Tang Halpin, Z.), pp. 119-127. Chicago: University of Chicago Press.
- Jones, W. T.** 1989. Dispersal distance and the range of nightly movements in Merriam's kangaroo rat. *Journal of Mammalogy*, **70**, 27-34.
- Jones, W. T., Waser, P. M., Elliott, L. F., Link, N. E., & Bush, B. B.** 1988. Philopatry, dispersal, and habitat saturation in the banner-tailed kangaroo rat, *Dipodomys spectabilis*. *Ecology*, **69**, 1466-1473.
- Keane, B.** 1990. Dispersal and inbreeding avoidance in the white-footed mouse, *Peromyscus leucopus*. *Animal Behaviour*, **40**, 143-152.
- King, C. M.** 1983. *Mustela erminea*. *Mammalian Species*, **195**, 1-8.
- Lackey, J. A., Huckaby, D. G., & Ormiston, B. G.** 1985. *Peromyscus leucopus*. *Mammalian Species*, **247**, 1-10.
- Lambin, X.** 1994. Natal philopatry, competition for resources, and inbreeding avoidance in Townsend's voles (*Microtus townsendii*). *Ecology*, **75**, 224-235.
- Larivière, S.** 2001. *Ursus americanus*. *Mammalian Species*, **647**, 1-11.
- Larivière, S. & Pasitschniak-Arts, M.** 1996. *Vulpes vulpes*. *Mammalian Species*, **537**, 1-11.
- Larsen, K. W. & Boutin, S.** 1994. Movements, survival, and settlement of red squirrel (*Tamiasciurus hudsonicus*) offspring. *Ecology*, **75**, 214-223.

- Leighton, D.R.** 1987. Gibbons: Territoriality and Monogamy. In: *Primate Societies*. (Ed. by Smuts, B. B., Cheney, D. L., Seyfarth, R. M., Wrangham, R. W. & Struhsaker, T. T.). Chicago: University of Chicago Press.
- Lindzey, F. G.** 1978. Movement patterns of badgers in northwestern Utah. *Journal of Wildlife Management*, **42**, 418-422.
- Loew, S. S.** 1999. Sex-biased dispersal in eastern chipmunks, *Tamias striatus*. *Evolutionary Ecology*, **13**, 557-577.
- Long, C. A.** 1973. *Taxidea taxus*. *Mammalian Species*, **26**, 1-4.
- Maehr, D. S., Land, E. D., Shindle, D. B., Bass, O. L., & Hoctor, T. S.** 2002. Florida panther dispersal and conservation. *Biological Conservation*, **106**, 187-197.
- McGuire, B., Getz, L. L., Hofmann, J. E., Pizzuto, T., & Frase, B.** 1993. Natal dispersal and philopatry in prairie voles (*Microtus ochrogaster*) in relation to population density, season, and natal social environment. *Behavioral Ecology and Sociobiology*, **32**, 293-302.
- McLellan, B. N. & Hovey, F. W.** 2001. Natal dispersal of grizzly bears. *Canadian Journal of Zoology-Revue Canadienne de Zoologie*, **79**, 838-844.
- McNutt, J. W.** 1996. Sex-biased dispersal in African wild dogs, *Lycaon pictus*. *Animal Behaviour*, **52**, 1067-1077.
- Messick, J. P. & Hornocker, M. G.** 1981. Ecology of the badger in southwestern Idaho. *Wildlife Monographs*, **76**, 3-53.
- Mitchell, J. L.** 1961. Mink movements and populations on a Montana river. *Journal of Wildlife Management*, **25**, 48-54.
- Murie, J. O. & Harris, M. A.** 1984. The history of individuals in a population of Columbian ground squirrels: source, settlement, and site attachment. In: *The Biology of Ground-Dwelling Squirrels: Annual Cycles, Behavioral Ecology, and Sociality*. (Ed. by Murie, J. O. & Michener, G.R.). Lincoln: University of Nebraska Press.
- Nowak, R. M.** 1991. *Walker's Mammals of the World*. 5th ed. Baltimore: Johns Hopkins University Press.
- Pasitschniak-Arts, M.** 1993. *Ursus arctos*. *Mammalian Species*, **439**, 1-10.
- Pearson, A. M.** 1972. Population characteristics of the northern interior grizzly in the Yukon Territory, Canada. In: *Bears: Their biology and management, Vol. 2. A Selection of Papers from the Second International Conference on Bear Research and Management, Calgary, Alberta, Canada, 6-9 November 1970*. pp. 32-35. Morges: Switzerland: International Union for Conservation of Nature and Natural Resources.
- Price, M. V., Kelly, P. A., & Goldingay, R. L.** 1994. Distances moved by Stephens kangaroo rat (*Dipodomys stephensi merriam*) and implications for conservation. *Journal of Mammalogy*, **75**, 929-939.

- Radespiel, L., Lutermann, H., Schmelting, B., Bruford, M. W., & Zimmerman, E.** 2003. Patterns and dynamics of sex-biased dispersal in a nocturnal primate, the grey mouse lemur, *Microcebus murinus*. *Animal Behaviour*, **65**, 709-719.
- Randall, J. A.** 1993. Behavioral adaptations of desert rodents (Heteromyidae). *Animal Behaviour*, **45**, 263-287.
- Ribble, D. O.** 1992. Dispersal in a monogamous rodent, *Peromyscus californicus*. *Ecology*, **73**, 859-866.
- Richardson, B. J., Hayes, R. A., Wheeler, S. H., & Yardin, M. R.** 2002. Social structures, genetic structures and dispersal strategies in Australian rabbit (*Oryctolagus cuniculus*) populations. *Behavioral Ecology and Sociobiology*, **51**, 113-121.
- Rogers, L. L.** 1987. Factors influencing dispersal in the black bear. In: *Mammalian Dispersal Patterns: The effects of social structure on population genetics*. (Ed. by Chepko-Sade, B. D. & Tang Halpin, Z.), pp. 75-84. Chicago: University of Chicago Press.
- Rood, J. P.** 1987. Dispersal and intergroup transfer in the dwarf mongoose. In: *Mammalian Dispersal Patterns: The effects of social structure on population genetics*. (Ed. by Chepko-Sade, B. D. & Tang Halpin, Z.), pp. 85-103. Chicago: University of Chicago Press.
- Rosatte, R. C. & Gunson, J. R.** 1984. Dispersal and home ranges of striped skunks, *Mephitis mephitis*, in an area of population reduction in southern Alberta. *Canadian Field Naturalist*, **98**, 315-319.
- Roy, L. D. & Dorrance, M. J.** 1985. Coyote movements, habitat use, and vulnerability in central Alberta. *Journal of Wildlife Management*, **49**, 307-313.
- Sandell, M., Agrell, J., Erlinge, S., & Nelson, J.** 1990. Natal dispersal in relation to population density and sex ratio in the field vole, *Microtus agrestis*. *Oecologia*, **83**, 145-149.
- Schmidt, K.** 1998. Maternal behaviour and juvenile dispersal in the Eurasian lynx. *Acta Theriologica*, **43**, 391-408.
- Soderquist, T. R. & Lill, A.** 1995. Natal dispersal and philopatry in the carnivorous marsupial *Phascogale tapoatafa* (Dasyuridae). *Ethology*, **99**, 297-312.
- Storm, G. L., Andrews, R. D., Phillips, R. L., Bishop, R. A., Siniff, D. B., & Tester, J. R.** 1976. Morphology, reproduction, dispersal, and mortality of Midwestern red fox populations. *Wildlife Monographs*, **49**, 3-82.
- Stuewer, F. W.** 1943. Reproduction of raccoons in Michigan. *Journal of Wildlife Management*, **7**, 60-73.
- Sun, L. X., Muller-Schwarze, D., & Schulte, B. A.** 2000. Dispersal pattern and effective population size of the beaver. *Canadian Journal of Zoology-Revue Canadienne de Zoologie*, **78**, 393-398.
- Swilling, W. R. & Wooten, M. C.** 2002. Subadult dispersal in a monogamous species: the Alabama beach mouse (*Peromyscus polionotus ammobates*). *Journal of Mammalogy*, **83**, 252-259.

- Tullar, B. F., & Berchielli, L. T.** 1980. Movement of the red fox in central New York. *New York Fish and Game Journal*, **27**, 179-204.
- Tullar, B. F., & Berchielli, L. T.** 1982. Comparison of red foxes and gray foxes in central New York with respect to certain features of behavior, movement, and mortality. *New York Fish and Game Journal*, **29**, 127-133.
- Vangen, K. M., Persson, J., Landa, A., Andersen, R., & Segerstrom, P.** 2001. Characteristics of dispersal in wolverines. *Canadian Journal of Zoology-Revue Canadienne de Zoologie*, **79**, 1641-1649.
- Van Vuren, D.** 1990. Dispersal of yellow-bellied marmots. Ph.D. thesis, University of Kansas.
- Wauters, L., & Dhondt, A. A.** 1993. Immigration pattern and success in red squirrels. *Behavioral Ecology and Sociobiology*, **33**, 159-167.
- Willner, G. R., Feldhamer, G. A., Zucker, E. E., & Chapman, J. A.** 1980. *Ondatra zibethicus*. *Mammalian Species*, **141**, 1-8.
- Wilson, D. E.** 1982. Wolverine. In: *Wild Mammals of North America: Biology, Management, and Economics*. (Ed. by Chapman, J. A. & Feldhamer, G. A.) Baltimore: Johns Hopkins University Press.