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TITLE: DIK DIK (Madoqua spp.) BIBLIOGRAPHY.

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Allen, J.A. 1909. Mammals from British East Africa, collected by the Tjader expedition of 1906. Bulletin of the American Museum of Natural History, 26:147-175.

Bere, R.M. 1962. The Wild Mammals of Uganda. London:Longmans.

Boshe, J.I. 1984. Effects of reduced shrub density and cover on territory size and structure of Kirk's dikdik in Arusha National Park, Tanzania. African Journal of Ecology, 22:107-115.

----- and F.A. Lyimo. 1983. Defecation rates, pellet and pellet group sizes of Kirk's dikdik in Arusha National Park, Tanzania. African Journal of Ecology, 21:119-121.

Dittrich, L. 1967. Breeding Kirk's dikdik at Hanover Zoo. International Zoo Yearbook, 7:171-173.

----- 1980. Observations to the breeding biology of Kirk's dikdik (Rhynchotragus - Madoqua kirki) at Hannover Zoo. Paper presented at International Union of Directors of Zoological Gardens, Pretoria, RSA.

Dorst, J. 1970. A Field Guide to the Larger Mammals of Africa. Boston: Houghton Mifflin Co.

Drake-Brockman, R.E. 1911. On antelopes of the genera Madoqua and Rhynchotragus found in Somaliland. Proceedings of the Zoological Society of London, 1911 (part 2):977-984.

----- 1930. A review of the antelopes of the genera Madoqua and Rhynchotragus. Proceedings of the Zoological Society of London, 1930:51-57.

Estes, R.D. 1974. Social organization of the African bovidae. In: Geist and F. Walther, eds. The Behavior of Ungulates and Its Relation to Management. Switzerland:IUCN Publication No.24.

Grzimek, M. and B. Grzimek. 1960. A study of the game of the Serengeti plains. Zeitchrift fur Saugetierkunde,

- Gunther, A. 1880. Description of two new species of dwarf antelope (Neotragus). Proceedings of the Zoological Society of London, 1880: 17-22.
- Hendrichs, H. 1975. Changes in a population of dikdik, Madoqua (Rhynchotragus) kirki (Gunther 1880). Zeitchrift fur Tierpsychologie, 38:55-69.
- and U. Hendrichs. 1971. Dikdik und Elefanten, Okologie und Soziologie Zweir Afrikanischer. Munchen:R. Piper and Co., Verlag.
- Hnida,J. and L. Fitzgerald. 1990. A simple method of urine collection and extraction from soil. American Association of Zoological Parks and Aquariums Regional Conference Proceedings, pp.58-62.
- Hofmann, R.R. 1973. The Ruminant Stomach. Stomach Structure and Feeding Habits of East African Game Ruminants. Nairobi:East African Literature Bureau. [East African Monographs in Biology, Vol.2.]
- Hoppe, P. 1976. Tritiated water turnover in Kirk's dikdik Madoqua (Rhynchotragus) kirki (Gunther, 1880). Saugetierkunde Mittelunge, 24:318-319.
- 1977. Comparison of voluntary food and water consumption and digestion in Kirk's dikdik and suni. East African Wildlife Journal, 15:41-48.
- , K. Johansen, G.M.O. Maloiy, and V. Musewe. 1975. Thermal panting reduces oxygen uptake in the dikdik, Rhyncotragus kirkii. Acta Physiologica Scandinavica, 95:9A-10A.
- , W. Van Hoven, W. Van Engelhardt, R.A. Prins, A. Lankhorst, and M.D. Gwynne. 1983. Pregastric and caecal fermentation in dikdik (Madoqua kirki) and suni (Nesotragus moschatus). Comparative Biochemistry and Physiology, 75A(4):517-524.
- Kamau, J.M.Z. 1988. Metabolism and evaporative heat loss in the dik-dik antelope (Rhynchotragus kirki). Comparative Biochemistry and Physiology, 89A(4):567-574.
- and G.M.O. Maloiy. 1981a. The fasting metabolism of a small East African antelope: the dik-dik. Journal of Physiology (London), 319:50-51P.
- and G.M.O. Maloiy. 1981b. Heat balance of the dik-dik in the field and laboratory. Journal of Physiology (London), 322:60P.
- and G.M.O. Maloiy. 1982. The relationship between rate of oxygen consumption, heart rate and thermal conductance of the dik-dik antelope (Rhynchotragus kirkii) at various ambient temperatures. Comparative

Biochemistry and Physiology, 73A(1):21-24.

----- and G.M.O. Maloiy. 1983. Changes in thyroxine, triiodothyronine and metabolic rate in the dik-dik antelope (Rhynchotragus kirkii): Effects of temperature and dehydration. Journal of Comparative Physiology B, 152:23-26.

----- and G.M.O. Maloiy. 1985. Thermoregulation and heat balance in the dik-dik antelope (Rhynchotragus kirkii): A field and laboratory study. Comparative Biochemistry and Physiology, 81A(2): 335-340.

Kingdon, J. 1982. East African Mammals, An Atlas of Evolution in Africa, Vol.3C (Bovids). London:Academic Press.

Kleiman, D.G. 1977. Monogamy in mammals. Quarterly Review of Biology, 52(1):39-69.

Kranz, K.R. 1978. Tiny dik-dik are big breeders at zoo. Zoogoer, 7(3): 12-13.

----- 1984. Pair Bonding and Scent Marking Behavior in Captive Dik-dik, Madoqua kirkii. George Mason University, Fairfax, VA, M.S. Thesis.

----- 1991. Monogamy in the dik-dik. Applied Animal Behavior Science, 29(1-4):87-105.

Kurt, F. 1964. Beobachtungen an den ostathiopischen antilopen: Madoqua kirkii, Strepsiceros strepsiceros chora, Strepsiceros imberbis, Oryx beisa beisa, Gazella soemmering erlangi, Lithocranrus walleri. Vietteljahr Naturforsch Gesellschaft Zurich, JG 109:143-162.

Lonnberg, E. 1908. Two apparently new antelopes from British East-Africa. Arkiv for Zoologi, 4(3):1-7.

Luce, D. 1989. Neonatal growth weights in Guenther's dikdik. Proceedings of the 15th National Conference of the American Association of Zoo Keepers, pp.129-132.

Maloiy, G.M.O. 1973. The water metabolism of a small East African antelope: the dikdik. Proceedings of the Royal Society of London B, 184:167-178.

Maloy, D. In press. Normal hematology values for Madoqua species at the Dallas Zoo. Proceedings of the Association of Zoo Veterinary Technicians.

Maskrey, M., P.P. Hoppe, and O.S. Bamford. 1978. Blood gas changes during panting in a small East African antelope, the dik-dik. Journal of Applied Physiology, 44:534-537.

----- and P.P. Hoppe. 1979. Thermoregulation and oxygen consumption in Kirk's dik-dik (Madoqua kirkii) at ambient temperatures of 10-45 degrees C. Comparative Biochemistry and Physiology, 62A:827-830.

- Moss, Cynthia. 1975. Portraits in the Wild. Chicago:University of Chicago Press.
- Musewe, V.O., G.M.O. Maloiy, and J.K. Kanja. 1976. Evaporative water loss in two small African antelopes: The dik-dik and the suni. Comparative Biochemistry and Physiology, 53C:17-18.
- Ogilby, W. 1836. Proceedings of the Zoological Society of London, 1836: 131-139.
- Ono, Y. T. Doi, H. Ikeda, M. Baba, M. Takeishi, M. Izawa, and T. Iwamoto. 1988. Territoriality of Guenther's dikdik in the Omo National Park, Ethiopia. African Journal of Ecology, 26:33-49.
- Owen-Smith, N. 1977. On territoriality in ungulates and an evolutionary model. Quarterly Review of Biology, 52(1):1-38.
- Phillips, E.L. 1885. Notes on the antelopes of Somali-land. Proceedings of the Zoological Society of London, 1885:930-932.
- Ralls, K. 1976. Dik-dik report. Washington, D.C.:National Zoological Park, Office of Zoological Research. Unpublished.
- , K. Brugger, and J. Ballou. 1979. Inbreeding and juvenile mortality in small populations of ungulates. Science, 206:1101-1103.
- Ryder, O.A., A.T. Kumamoto, B.S. Durrant, and K. Benirschke. 1989. Chromosomal divergence and reproductive isolation in dik-diks. In: D. Otte and J. Endler, eds. Speciation and Its Consequences, pp.208-225. Sunderland, MA:Sinauer Associates, Inc.
- Schoen, A. 1969. Water conservation and the structure of the kidneys of tropical bovids. Journal of Physiology (London), 204:143-144P.
- , 1972. Studies on the environmental physiology of a semi-desert antelope, the dikdik. East African Agriculture and Forest Journal, 37(4):325-330.
- Sclater, P.L. 1886. On two species of antelopes from Somali-land. Proceedings of the Zoological Society of London, 1886:504-505.
- Shortridge, G.C. 1934. The Mammals of South West Africa. London:William Heinemann Ltd.
- Simonetta, A.M. 1966. Osservazioni etologiche ed ecologiche sui dik-dik in Somalia. Monitore Zoologico Italiano, 74:1-33.
- Smithers, R.H.N. 1986. Land Mammals of Southern Africa: A Field Guide. Johannesburg: Macmillan South Africa.

- Stevenson-Hamilton, J. 1917. Animal Life in Africa, Vol.II. New York: E.P. Dutton and Co.
- Thomas, O. 1894. On the dwarf antelopes of the genus Madoqua. Proceedings of the Zoological Society of London, 1894:323-329.
- 1898. Description of a new dik-dik antelope (Madoqua) discovered in N.E. Africa by Mr. H.S.H. Cavendish. Proceedings of the Zoological Society of London, 1898:278-279.
- 1900. List of mammals obtained by Dr. Donaldson Smith during his recent journey from Lake Rudolf to the upper Nile. Proceedings of the Zoological Society of London, 1900:800-807.
- Tilson, R.L. and Tilson, J.W. 1986. Population turnover in a monogamous antelope (Madoqua kirki) in Namibia. Journal of Mammalogy, 67(3): 610-613.
- Tinley, K.L. 1969. Dikdik Madoqua kirki in South West Africa: Notes on distribution, ecology and behaviour. Madoqua, 1:7-33.
- Whittow, G.C. 1978. Short ungulates. Natural History, 87(5):44-49.
- Ziegler-Simon, J. 1957. Beobachtungen am Russeldik-dik, Rhyncotragus kirki. Der Zoologische Garten, 23(1-3):1-13.

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