

# Osteologie für Archäologie

## Literatura

- Aitken R. J., 1975: Cementum layers and tooth wear as criteria for ageing roe deer (*Capreolus capreolus*).- Journal of Zoology, London 175, 15-28.
- Andrews A. H., 1973: A survey of the relationship between age and the development of the anterior teeth in cattle.- The Veterinary Record 92, 275-282.
- Ascenzi A., 1969: Microscopy and prehistoric bone. In: D. R. Brothwell and E. S. Higgs (eds.), *Science in archaeology*, Bristol, Thames and Hudson, 526-538.
- ~~Audoin-Rouzeau F., 1991b:~~ La taille du mouton en Europe de l'Antiquité aux temps modernes.- Fiches d'Osteologie Animale pour l'Archaeologie. Serie B. Mammifères 3, 3-36.
- ~~Audoin-Rouzeau F., 1991a:~~ La taille du boeuf domestique en Europe de l'Antiquité aux temps modernes.- Fiches d'Osteologie Animale pour l'Archaeologie. Serie B. Mammifères 2, 3-40.
- ~~Audoin-Rouzeau F., 1995:~~ Compter et mesurer les os animaux. Pour une histoire de l'élevage atde l'alimentation en Europe de l'Antiquité aux temps modernes.- Histoire et Mesure 10, 277-312.
- Avery G., 1977: Report on the marine bird remains from the Paternoster midden.- South African Archaeological Bulletin 32, 74-76.
- Behrensmeyer A. K., 1978: Taphonomic and ecologic information from bone weathering.- Palaeobiology 4/2, 150-162.
- Behrensmeyer A. K., Hill A. P. (eds.), 1980: *Fossils in the making: vertebrate taphonomy and palaeoecology*.- Chicago, Chicago University Press.
- Berman E., 1974: The time and pattern of eruption of hepermanent teeth of the cat.- Laboratory Animal Science 24/6, 929-931.
- Blumenschine R. J., Marean C. W., Capaldo S. D., 1996: Blind tests of inter-analyst correspondence and accuracy in the identification of cut marks, percussion marks, and carnivore tooth marks on bone surfaces.- Journal of Archaeological Science 23, 493-507.
- Boessneck J., Müller H., Teichert M., 1964: Osteologische Unterscheidungsmerkmale zwischen Schaf (*Ovis aries L.*) und Ziege (*Capra hircus L.*).- Kühn-Archiv 78, 5-129.
- Böhme G., 1977: Zur Bestimmung quartärer Anuren Europas an Hand von Skelettelementen.- Wiss. Zeitschrift der Humboldt-Universität zu Berlin, Math. Nat. 26/3, 283-300.
- Bökönyi S., 1970: A new method for the determination of the number of individuals in animal bone material.- American Journal of Archaeology 74, 291-292.

- 22 Bökönyi S., 1989: Definitions of animal domestication. In: J. Clutton-Brock (ed.), The walking larder, London, Unwin Hyman One World Archaeology, 22-27.
- Bourque B. J., Morris K., Spiess A., 1978: Determining the season of death of mammal teeth from archaeological sites: a new sectioning technique.- Science 199, 530-531.
- Brothwell D. R., 1976: Further evidence of bone chewing by ungulates: the sheep of North Ronaldsay, Orkney.- Journal of Archaeological Science 3, 179-182.
- Brown W. A. B., Chapman M. G., 1990: The dentition of fallow deer (*Dama dama*): a scoring scheme to asses age from wear of the permanent molariform teeth.- Journal of Zoology London 221, 659-682.
- Brown W. A. B., Chapman M. G., 1991: The dentition of red deer (*Cervus elaphus*): a scoring scheme to asses age from wear of the permanent molariform teeth.- Journal of Zoology London 224, 519-536.
- Buitenhuis H., 1995: A quantitative approach to species determination of Ovicapridae. In: H. Buitenhuis and H. P. Uerpmann (eds.). Archaeozoology of the Near East II.- Leiden, Backhuys, 140-155.
- Bull G., Payne S., 1982: Tooth eruption and epiphysial fusion in pigs and wild boar. In: B. Wilson, C. Grigson, S. Payne (eds.), Ageing and sexing animal bones from archaeological sites.- Oxford, British Archaeological Reports, British Series 109, 55-72.
- Bullock D., Rackham D. J., 1982: Epiphysial fusion and tooth eruption of feral goats from Moffatdale, Dumfries and Galloway, Scotland. In: B. Wilson, C. Grigson, S. Payne (eds.), Ageing and sexing animal bones from archaeological sites.-Oxford, British Archaeological Reports, British Series 109, 73-80.
- Burke A., Castaner J., 1995: Histological observations of cementum growth in horse teeth and their application to archaeology.- Journal of Archaeological Science 22, 479-493.
- Carter R. J., 1998: Reassessment of seasonality at the early Mesolithic site of Star Carr, Yorkshire, based on radiographs of mandibular teeth development in red deer.- Journal of Archaeological Science 25, 851-856.
- Casteel R. W., 1978: Faunal assemblages and the „Wiegenmethode“ or weight method.- Journal of Field Archaeology 5, 71-75.
- Clason A. T., Prummel W., 1977: Collecting, sieving and archaeozoologica research.- Journal of Archaeological Science 4, 171-174.
- Clutton-Brock J.(ed.), 1989: The walking larder.- London, Unwin Hyman One Word Archaeology.

- Cohen A., Serjeantson D., 1996: A manual for the identification of bird bones from archaeological sites.- London , Birkbeck College.
- Davis P. G., 1997: The bioerosion of birds bones.- International Journal of Osteoarchaeology 7, 388-401.
- Davis S. J. M., 1981: The effects of temperature change and domestikation on the body size of Lare Pleistocene to Holocene mammals of Israel.- Paleobiology 7, 101-114.
- Davis S. J. M., 1992: A rapid method for recording information about mammal bones from archaeological sites.- Ancient Monuments Laboratory Report 19/92, London, English Heritage.
- ~~A~~ Driesch A., 1976: A quide to the measurement of animal bones from archaeological sites.- Cambridge, Mass. , Peabody Museum of Archaeology and Ethnology, Bulletin No. 1.
- ~~12~~ Driesch A., Boessneck J., 1974: Kritische Anmerkungen zur Widerristhohenberechnung aus Langenmassen vor- und frühgeschichtlicher Tierknochen.- Säugertierkundliche Mitteilungen 22, 325-348.
- Driver J. C., 1990: Meat in due season: the timing of communal hunts. In: L. B. Davis and B. O. K. Reves (eds.), Hunters of the recent past.- London, Unwin Hyman One World Archaeology, 11-33.
- ~~21~~ Ducos P., 1978: „Domestication“ defined and methodological approaches to its recognition in faunal assemblages. In: R. H. Meadow and M. A. Zeder (eds.), Approaches to faunal analysis in the Middle East.- Harvard University Peabody Museum Bulletin 2, 53-56.
- Fick O. K. W., 1974: Vergleichend morphologische Untersuchungen an Einzelknochen europäischer Taubenarten.- Doctoral dissertation, University of Münich.
- ~~⑥~~ Fieller N. R. J., Turner A., 1982: Number estimation in vertebrate samples.- Journal of Archaeological Science 9, 49-62.
- ~~②~~ Fisher J. W., 1995: Bone surface modifications in zooarchaeology.- Journal of Archaeological Method and Theory.- 2 (1), 7-68.
- Gehr K. D., 1995: Bones: a field and laboratory quide for identification of he postcranial bones of the mammalian skeleton.- Auburn WA, Bare Bones Publications.
- ~~11~~ Grant A., 1982: The use of tooth wear as a quide to the age of domestic ungulates. In: B. Wilson, C. Grigson, S. Payne (eds.), Ageing and sexing animal bones from archaeological sites.- Oxford, British Archeological Reports , British Series 109, 91-108.
- Grayson D. K., 1960: Vicissitudes and overkill: the development of explanations of Pleistocene extinctions.- Advances in Archaeological Theory and Method 3, 357-403.

- Grayson D. K., 1981: The effects of sample size on some derived measures in vertebrate faunal analysis.- Journal of Archaeological Science 8, 77-88.
- 23 Grigson C., 1984: The domestic mammals of the earlier Neolithic in Britain. In: H. Schwabedissen (ed.), Die Anfänge des Neolithikums vom Orient bis Nordeuropa. Teil IX. Der Beginn der Haustierhaltung in der „Alten Welt“.- Cologne, Böhlau Verlag, 205-220.
- Habermehl K. H., 1961: Die Alterbestimmung bei Haustieren, Pelztieren und beim jagdbaren Wildtieren.- Berlin, Paul Parey.
- 14 Harris D. R., 1996: Domesticatory relationships of people, plants and animals. In: R. Ellen and K. Fukui (eds.), Redefining nature: ecology, culture and domestication.- Oxford, Berg, 437-463.
- ③ Haynes G., 1983: A guide for differentiating mammalian carnivore <sup>to</sup> taxa responsible for gnaw damage to herbivore long bones.- Palaeobiology 9, 164-172.
- Helmer D., Rocheteau M., 1994: Atlas du squelette appendiculaire des principaux genres Holocènes de petits ruminants du nord de la Méditerranée et du Proche-Orient.-Juan-les-Pins, CNRS Fiches d’Osteologie Animale pour l’Archaeologie, No. 4.
- Chase P.G., Hagaman R. M., 1987: Minimum number of individuals and its alternatives: a probability theory perspective.- Ossa 13, 75-86.
- Child A. M., 1995a: Microbial taphonomy of archaeological bone.- Studies of Conservation 40, 19-30.
- Kolda J., 1936: Srovnávací anatomie zvířat domácích se zřetelem na anatomii člověka.- 914 p.
- ⑤ Krantz G. S., 1968: A new method of counting mammal bones.-American Journal of Archaeology 72, 286-288.
- Kratochvíl Z., 1969: Species criteria on the distal section of the tibia in *Ovis ammon f. aries* L. and *Capra aegagrus f. hircus* L.- Acta Veterinaria (Brno) 38, 483-490.
- ⑥ Kubasiewicz M., 1956: O metodyce badan wykopaliskowych szczatow kostych zwierzeczych.- Materiały Zachodnio-Pomorskie 2, 235-244.
- 17 Lasota- Moskalewska A., Kobryn H., Swiezynski K., 1987: Changes in the size of the domestic and wild pig in the territory of Poland from the Neolithic to the Middle ages.- Acta Theriologica 32, 51-81.
- Lesbre M. F. X., 1898: Contribution a l'étude de l'ossification du squelette des mammifères domestiques.- Annales de la Société d'Agriculture, Sciences et Industrie de Lyon (7<sup>th</sup> Series)5 (for 1897), 1-100.

- Lieberman D. E., Meadow R. H., 1992:** The biology of cementum increments (with an archaeological application).- Mammal Review 22/2, 57-77.
- Lister A. M., 1996:** The morphological distinction between bones and teeth of fallow deer (*Dama dama*) and red deer (*Cervus elaphus*).- International Journal of Osteoarchaeology 6, 119-143.
- Martin P. S., Wright H. E. (eds.), 1967:** Pleistocene extinctions, the search for a cause.- New Haven, Yale University Press.
- Mosimann J. E., Martin P. S., 1975:** Simulating overkill by Paleoindians.- American Scientist 63/3, 304-313.
- Musil R., 1986:** The economic aspects of hunting of the Magdalenian people.- The World Archeological Congress, Cultural Attitudes to Animals Including Birds, Fish and Invertebrates 9, Southampton and London.
- Musil R., 1986:** Methodische Erwägungen zum Problem des Aussterbens.- Quartärpalaontologie 6, 119-122, Berlin.
- Musil R., 1986:** Palaeobiography of Terrestrial Communities in Europe during the Last Glacial,- Sborník Národního muzea v Praze, 41 B/1-2, /1985/, 84 stran, Praha.
- Musil R., 1988:** Změny klimatu v Evropě v posledním glaciálu na základě analýzy změn společenstev obratlovců (tschechisch).- Vztahy Slunce-Země 3, 217-219, Praha
- Musil R., 1992:** Changes in mammalian communities at the Pleistocene-Holocene boundary.- Ann. Zool. Fennici 28, 241-244, Helsinki.
- Musil R., 1992:** Migration and Extinction of Mammals at the Turn of Pleistocene and Holocene.- Acta Universitatis Carolinae, Geologica 1-2, 159-163, Praha.
- Musil R., 1993:** Die Ursachen der Veränderungen der Großsäugergemeinschaften im letzten Glazial und am Anfang des Holozäns: Tatsachen und Hypothesen.- Quartär 43-44, 191-197.
- Musil R., 1993:** Unterschied im Jagdwild in verschiedenen paläolithischen Kulturen mit Rücksicht auf Bilzingsleben.- EAZ. Ethnogr.-Archäol. Zeitschrift 34/4, 601-607.
- Musil R., 1993:** Zvířata jako potrava na přechodu magdalénienu a mesolitu (tschechisch).- Vývoj osídlování Československa /hlavně Brno 1993.- Čs. spol. pro dějiny věd a techniky, 19-20.
- Musil R., 1993:** Zwei kritische Zeitabschnitte im Leben der paläolithischen Menschen aus der Sicht der Veränderungen der ökonomischen Basis.- EAZ. Ethnogr.-Archäol. Zeitschrift 33, 457-460, Berlin.
- Musil R., 1994:** Hunting Game of the Culture Layer of Pavlov.- Pavlov I. Excavations 1952-1953. Études et

**Musil R., 1993:** Fauna and climate of the Last Glacial in Central Europe.- Application of direkt and indirect data for the reconstruction of climate during the last two millenia, 6-10, Brno.

**Musil R., 1994:** The Knowledge of the Pleistocene-an Assumption for the Differentiation of Natural Regularities and Human Interventions.- GeoLines 1, 25-26, Praha

**Musil R., 1997:** Hunting game analysis.- The Dolní Věstonice Studies, Pavlov - Northwest 4, 443-468, Brno.

**Musil R., 1997:** Klimatická konfrontace terestrických a marinních pleistocenních sedimentů. (Climatic comparison of terrestrial and marine Pleistocene sediments).- Dynamika vztahů marinního a kontinentálního prostředí, 93-167, Brno.

**Musil R., 1999:** The environment in Moravia during the stage 3.- State of the Stage Project at the Start of its fourth Phase, News 7, 69-78, Cambridge.

**Musil R., 1999:** Životní prostředí v posledním glaciálu. (The environment in the Last Glacial on the territory of Moravia).- Acta Musei Moraviae, Sci. Geol. 84, 161-186, Brno.

**Musil R., 2000:** Domestication of wolves in Central European Magdalenien sites.- Dogs Through Time: An Archaeological Perspective. Proceedings of the 1<sup>st</sup> ICAZ Symposium on the History od the Domestic Dog. Eight Congress of the International Council for Archaeozoology 23-29, 1998, Victoria, B. C. Canada.- BAR International Series 889,21-28, Oxford.

**Musil R., 2000:** Hunting in Central Europe at the End of the Last Glacial.- Anthropologie and Préhistorie 111, ERAUL 51, Études et Recherches Archéologiques de l'Université de Liege, Artefacts 8, La chasse dans la Préhistoire. Hunting in Prehistory. - Actes du Colloque international de Treignes 3-7 octobre 1990, 233-236.

**Musil R., 2000:** Natural environment..- Anthropologie 38/3. 307-310, Brno.

Musil R., 2000: The environment in Moravia during the stage OIS 3.- In: Neanderthals and Modern Humans - Discussing the Tradition: Central and Eastern Europe from 50.000-30.000 B.P., Wissenschaftliche Schriften des Neanderthal Museums 2, 68-75.

**Musil R., 2001:** Interpretační nesrovnalosti ve stratigrafii posledního glaciálu (Discrepancies in the stratigraphy of the Last glacial).- Geologické výzkumy na Moravě a ve Slezsku, 8, 10-14, Brno.

**Musil R., 2001:** Zur biostratigraphischen Gliederung des Quartärs in Mähren (Tschechische Republik).- Homo heidelbergensis von Mauer e.V.- Veröffentlichungen. Frühe Menschen in Mitteleuropa. Chronologie, Kultur, Umwelt.- 1/01,27-38, Aachen.

- Musil, R., 1990: Hunting during the Upper Paleolithic in Middle Europe.- Internationales Symposium Hunting in Prehistory, Treignes, Belgique, 31-32.
- AB Noddle B. A., 1973: Determination of the body weight of cattle from bone measurements. In: J. Matolcsi (ed.), Domestikationsforschung und Geschichte der Haustiere.- Budapest, Akademiai Kiado, 377-389.
- Northcote E. M., 1981: Size differences between limb bones of recent and subfossil mute swans *Cygnus olor*.- Journal of Archaeological Science 8, 89-98.
- O'Connor Terry, 2000: The Archaeology of Animal Bones.- Amsterdam, Elsevier, 206 p.
- 20 O'Connor T. P., 1997: Working at relationships: another look at animal domestication.- Antiquity 71, 149-156.
- AB Olsen S. J., 1960: Post-cranial skeletal characters of Bison and Bos.- Cambridge, Massachusetts, Papers of the Peabody Museum of Archaeology and Ethnology, Harvard University 35, No. 4.
- Olsen S., J., 1979: Archaeologically, what constitutes an early domestic animal? In: N. B. Schiffer (ed.), Advances in Archaeological Method and Theory 2.- New York Academic Press, 175-197.
- Payne S., 1969: A metrical distinction between sheep and goat metacarpals. In: P. J. Ucko, D. W Dimbleby (eds.), The domestication and exploitation of plants and animals.- London, Duckworth, 295-305.
- AS Payne S., 1969: A metrical distinction between sheep and goat metacarpals. In: P. J. Ucko and G. W. Dimbleby (eds.). The domestication and exploitation of plants and animals.- London, Duckworth, 295-305.
- g Payne S., 1973: Kill-off patterns in sheep and goats. The mandibles from Asvan Kale.- Anatolian Studies 23, 281-303.
- Payne S., 1985: Morphological distinction between the mandibular teeth of young sheep, *Ovis* and goats, *Capra*.- Journal of Archaeological Sciences 12, 139-147.
- AV Payne S., 1987: Reference codes for wear stages in the mandibular cheek teeth of sheep and goats.- Journal of Archaeological Science 14, 609-614.
- ZU Perkins D. jr., 1973: The beginnings of animal domestication in the Near East.- American Journal of Archaeology 77, 279-282.
- Pieper H., 1982: Probleme der Artbestimmung an Knochen des Extremitätsknochenskelettes sowie Bemerkungen zur systematischen Gliederung der Gattung *Aythya* (Aves: Anatidae).- Schriften aus der Archäologisch-Zoologischen Arbeitsgruppe Schleswig-Kiel 6, 63-95.

- Prummel W., Frisch H. J., 1986:** A quide for the distinction of species, sex and body side in bones of sheep and goat.- Journal of Archaeological Science 13, 567-577.
- Reed C. A., 1970:** Extinction of mammalian megafauna in he Old World Late Quaternary.- Bioscience 20/5, 284-288.
- Scarlett R. J., 1972:** Bones for the New Zealand archaeologist.- Christchurch, Canterbury Museum Bulletin No. 4.
- Schmid E.S. , 1972:** Atlas of Animal Bones. Tierknochenatlas.- 159 p.
- Sobolik K. D., Steele D. G., 1996:** A turtle atlas to facilitate archaeological identifications.- Orono, University of Maine.
- Spaulding W. G., 1983:** The Overkille Hypothesis as a plausible explanation for the extinctions of Late Wisconsin megafauna.- Quaternary Research 20, 110-112.
- 7 Spinage C. A., 1973:** A review of the age determination of mammals bymeans of teeth, with especial reference to Afrika.- East African Wildlife Journal 11, 165-187.
- Stahl P. W., 1996:** The recovery and interpretation of microvertebrate bone assemblages from archaeological contexts.- Journal of Archaeological Theory and Method 3/1, 31-75.
- Stewart J. R., Carrasquilla F. H., 1997:** The identification of extant European bird remains: a review of the literature.- Intern. Journal of Osteoarchaeology 7, 364-371.
- 16 Teichert M., 1969:** Osteometrische Untersuchungen zur Berechnung der Widerristhöhe bei vor- und frühgeschichtlichen Schweinen.- Ethnographisch- Archäologische Zeitschrift 10, 517-525.
- Vigne J. D., 1995:** Détermination ostéologique des principaux éléments du squelette appendiculaire d'Arvicola, d' Eliomys, de Glis et de Rattus.- Juan-les- Pins. CNRS Fiches d'Osteologie Animale pour l' Archaeologie No. 6.
- Wild C. J., Nichol R. K., 1983:** Estimation of the original number of individuals from paired bone counts using estimators of the Krantz type.- Journal of Field Archaeology 10, 337-344.