

Chelonians (Reptilia: Testudines) from the Lower Miocene locality Dolnice (Bohemia, Czechoslovakia)

Želvy (Reptilia: Testudines) ze spodnomiocenní lokality Dolnice (Czech summary)

(3 text-figs, 2 plates)

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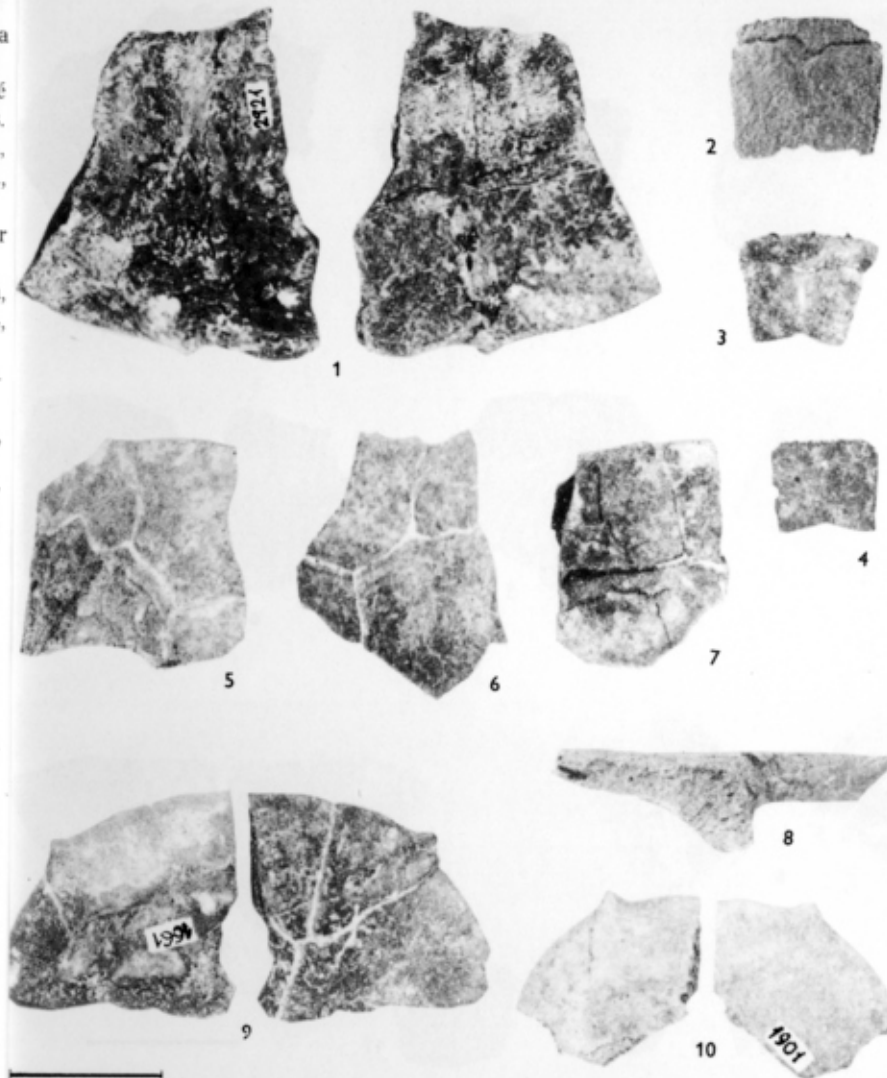
Chelonian remains from the Lower Miocene (Ottangian) of Dolnice (western Bohemia, Czechoslovakia) have been described. Most of the bony fragments have been recognized as belonging to the Miocene genus *Ptychogaster* (Emydidae: Emydinae), one of prevailing reptiles at this site. The remaining infrequent remnants belonged to the terrestrial tortoises (Testudinidae), presumably to two different forms (*Testudo* sp. large form and *Testudo* sp. small form). Moreover, presence of unidentified emydids (Emydidae indet.) in the material is presumed. In the systematic part of the paper methods and difficulties concerning identification of chelonian shell fragments as well as taxonomic position of recognized taxa are described. The final part of the paper contains considerations on adaptation of particular taxa to various kinds of habitat together with their significance for increasing our knowledge of faunistic and ecological analysis of the locality Dolnice. The text is supplemented with a complete list of amphibians and reptiles described up to the present from this classical European locality.

Introduction

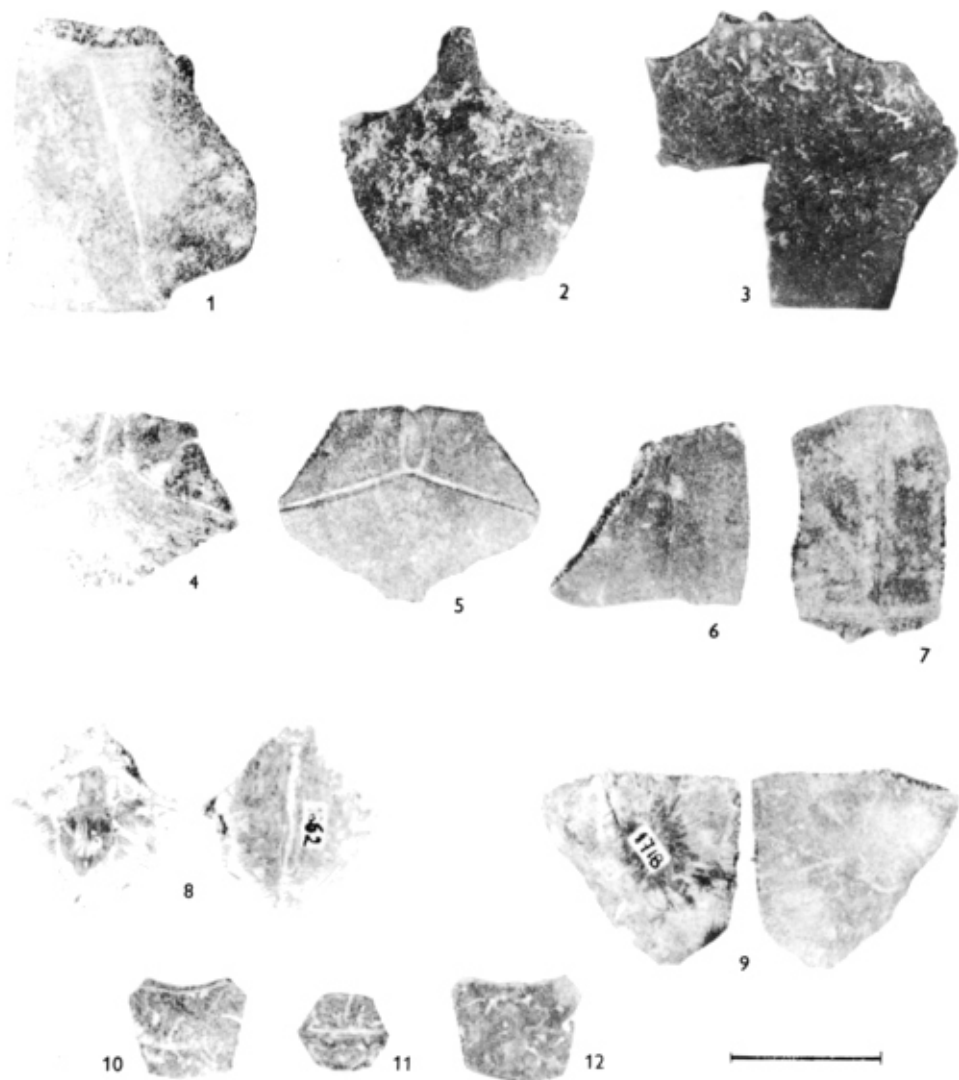
Remains of chelonian shells described here are only a small part of rich material collected in Dolnice by Dr. O. Fejfar of the Geological Survey, Prague, and one of the authors (Z. R.). The material is a property of the Department of Paleontology, Faculty of Sciences, Charles University, Prague (DP FNŠP). Unfortunately, the whole material consists exclusively of tiny (though well preserved) shell fragments and disarticulated plates of carapace and plastron. These remains belong to at

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Ptychogaster cf. *emydoidea* (scale equals 2 cm). 1. Left peripheral Pr-VII (DP FNSP 2921) in ventral and dorsal views. 2. Pygal (DP FNSP 1735) in dorsal view. 3. Neural N-V (DP FNSP 2131) in dorsal view. 4. Pygal (DP FNSP 1890) in dorsal view. 5. Nuchal and cervical (DP FNSP 1772) in dorsal view. 6. Nuchal and cervical (DP FNSP 1976) in ventral and dorsal views. 7. Nuchal and cervical (DP FNSP 1976) in dorsal view. 8. Left epiplastron (DP FNSP 1882) in lateral view. 9. Epiplastra and entoplastron (DP FNSP 1661) in ventral and dorsal views. 10. Left epiplastron (DP FNSP 1901) in ventral and dorsal views.



Testudo sp. (large form). 1. Left peripheral Pr-VIII (DP FNSP 1584) in dorsal view. 2. Pygal (DP FNSP 1762) in dorsal view. 3. Nuchal (DP FNSP 1891) in dorsal view. *Testudo* sp. (small form). 4. Nuchal (DP FNSP 1847) in dorsal view. 5. Nuchal (DP FNSP 1912) in dorsal view. 6. Right peripheral Pr-XI (DP FNSP 1691) in dorsal view. 7. Left peripheral Pr-VIII (DP FNSP 1891) in dorsal view. (Scale equals 2 cm). Emydidae indet. 8. Entoplastron (DP FNSP 1662) in dorsal and ventral views. 9. Left xiphiplastron (DP FNSP 1718) in dorsal and ventral views. 10. Neural (DP FNSP 2068) in dorsal view. 11. Neural N-VIII (DP FNSP 2071) in dorsal view. 12. Neural N-II (DP FNSP 2078) in dorsal view. (Scale equals 2 cm)