

COLEOIDEA OF THE BOHEMIAN CRETACEOUS BASIN (CZECH REPUBLIC, EUROPE).

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Upper Cretaceous coleoids are represented by two different cephalopod groups - belemnites (Belemnitida Gray, 1849) and teuthid cephalopods (Teuthida Naef, 1916) in the Bohemian Cretaceous Basin (BCB). Belemnites: *Praeactinocamax plenus* (Blainville) occurs in the Late Cenomanian (Metoicoceras geslinianum Zone). The Plenus Cold Event (which enabled migration of this species into this area) was recently established for the BCB. Both the variability and possible sexual dimorphism are discussed for this species. *P. bohemicus* (Stolley) and *P. aff. bohemicus* are described from the latest Turonian (the base of the Teplice Formation of the Czech local stratigraphical scale). These species show affinities to belemnites from Greenland and North America however no relationship to belemnites from the Russian Platform. *Goniocamax lundgreni* (Stolley) is reported from the Middle Coniacian (Cremnoceramus crassus Zone) in the BCB.

Stage	Substage	Belemnites - No. of species			Teuthids - No. of species			
		1	2	3	1	2	3	4
Coniacian	upper							
	middle	■						
	lower							
Turonian	upper	■	■					
	middle				■			
	lower				■	■	■	■
Cenomanian	upper	■						
	middle							
	lower							

Fig. Coleoids diversity and the relation between belemnites and teuthids appearances in the Bohemian Cretaceous Basin (Czech Republic).

Teuthids: Occur in the Lower and Middle Turonian boundary interval in the BCB. Five genera (three of them new) and six and/or seven species are described on the basis of recent taxonomical re-evaluation of old collections. The radiation and diversification of this group is marked in the upper part of the Lower Turonian through lowermost Middle Turonian in the BCB. One of recently established genus probably represents a new family too. *Glyphiteuthis* sp. cf. *G. minor* is retained in the open nomenclature with respect to some differences from *G. minor* Fritsch. Appearance and radiation of teuthids in the upper Lower Turonian and Middle Turonian is possibly associated with the Late Cenomanian through Lower Turonian palaeoclimatical, ecological changes, belemnites local extinction and their areas reduction in the Central Europe.