

**NEW DATA ON THE OCCURRENCES OF THE LOWER CRETACEOUS AMMONITES
(BERRIASIAN-HAUTERIVIAN) IN THE NORTHERN CALCAREOUS ALPS (AUSTRIA)**

Vašíček Zdeněk

VŠB - Technical University, CZ - 708 33 Ostrava-Poruba, Czech Republic; e-mail: zdenek.vasicek@vsb.cz

In 1995-1997 I in co-operation with Prof. P. Faupl (University of Vienna, Geozentrum) devoted time to field biostratigraphic research of Lower Cretaceous sequences of strata east and west of the Weyerer Arc Structure (Bajuvarian Nappe Complex). Studied deposits provided rich ammonite assemblages that had not been, with some exceptions, known in the given area before.

In the vicinity of Grossraming, localities belonging both the Rossfeld Formation and the Schrambach Formation (Reichraming Nappe) were observed. Some results achieved have been already published (Vašíček & Faupl 1996, 1998) or are in the press. The ammonite assemblages from the Rossfeld Formation document the Upper Valanginian (about 20 species), those from the Schrambach Formation prove partly the Lower, but especially the Upper Valanginian to almost all the Hauterivian (about 30 species).

In the Lower Cretaceous outcrops situated on the Oisberg hill by Hollenstein a.d. Ybbs in the Schrambach Formation (Lunz Nappe), ammonites from the Upper Berriasian and the Lower Valanginian were found. As it follows from the present stage of processing, about 12 species of ammonites can be seen here.

The ammonite assemblages represent merely the Mediterranean faunal province, including some zone species. They specify significantly the stratigraphic data hitherto known, or they supplement paleogeographic opinions and ideas of processes taking place in the sedimentary space in question. The composition of the ammonite association is influenced strongly by depth conditions and sedimentary factors as confirmed by ammonite assemblages from the Rossfeld Formation of the same age that represent the synorogenic clastic succession and from the Schrambach Formation represented by light pelagic limestones.

Vašíček Z. & Faupl P. (1996): Die Cephalopoden aus den Rössfeldschichten der Reichraminger Decke (Obervalanginium; oberösterreichische Kalkalpen). - Jb. Geol. B. - A., 139, 101 - 125. Wien.

Vašíček Z. & Faupl P. (1998): Late Valanginian cephalopods and palaeogeographic position of the Rossfeld and Schrambach Formations (Reichraming Nappe, Northern Calcareous Alps, Austria). - Zentralbl. Geol. Paläont., Stuttgart.

Vašíček Z. & Faupl P. (in print): Zur Biostratigraphie der Schrambachschichten in der Reichraminger Decke (Unterkreide, oberösterreichische Kalkalpen). - Jb. Geol. B. - A., Wien.