

lished by SCHULZE (1968); Trögen Klamm section-group B (N 46°28'00" / E 14°30'24"), D (N 46°28'03" / E 14°30'33"), F1 (N 46°28'02" / E 14°30'12") published by MOSHAMMER (1989, 1990).

Derivation of name: After the generic name of the trilobite *Bronteus transversus* (BARRANDE) (SUÈSS, 1858).

Synonyms: Gailthaler Kalk (LIPOLD, 1856b: p. 350); röthlich-graue bis fleischrote Oolith-Marmore (TELLER, 1886a); fleischrote Kalke des unt. Unterdevon (F 2) (SCHÖNENBERG, 1965: Fig. 2, p. 31); rotgeflammter Kalk (SCHULZE, 1968); fleischroter Kalk (SCHULZE, 1968); Rote Flaserkalke ("F2") (TESSENHOHN, 1974a); Bunter Bronteus-Kalk (SCHÖNLAUB, 1979); "dehiscens"-Kalk (MOSHAMMER, 1989).

Lithology: Red flaser limestone with interbedded crinoidal limestones.

Fossils: Bivalves, brachiopods, cephalopods, corals (rare), conodonts, crinoids, gastropods, ostracods, tentaculites, trilobites.

Origin, facies: Marine limestone, pelagic unit.

Chronostratigraphic age: Pragian–Emsian.

Biostratigraphy: *kitabicus* and *gronbergi* conodont zones (SCHULZE, 1968; MOSHAMMER, 1989).

Thickness: Approx. 30 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Platy Limestone (conformable contact), Orthoceratid Limestone (conformable contact).

Overlying unit(s): Reef Limestone (conformable contact); Seeland Crinoidal Limestone (conformable contact); Seeberg Coral-Crinoidal Limestone (conformable contact); Limestone, Lydites (conformable contact).

Lateral unit(s): Seeberg Shale.

Geographic distribution: Karavanke Mountains (Eisenkappel and Seeberg area).

Remarks: -

Complementary references: TIETZE (1870), TELLER (1886b), PENECKE (1887), SCHULZE (1964), SCHÖNENBERG (1965, 1967), KUPSCH et al. (1971), TESSENHOHN (1974b), SCHÖNLAUB (1979), MOSHAMMER (1987), RANTITSCH (1990, 1992b), RAMOVŠ (1999), SCHÖNLAUB & HISTON (1999, 2000).

Seeberg-Schiefer / Seeberg Shale

THOMAS J. SUTTNER

Validity: Invalid; lithological characters and biostratigraphic implications provided by LOESCHKE & ROLSER (1971); name first mentioned by TESSENHOHN (1974a).

Type area: ÖK50-UTM, map sheet 4114 Bad Eisenkappel (ÖK50-BMN, map sheets 212 Vellach, 213 Bad Eisenkappel).

Type section: -

Reference section(s): About 1 km southwest of Sadonig Höhe (LOESCHKE & ROLSER, 1971: p. 154), N 46°25'57" / E 14°35'10".

Derivation of name: After Seeberg Pass (TESSENHOHN, 1974a: p. 113).

Synonyms: Devonische Vulkanite in Vellach (LOESCHKE & ROLSER, 1971: p. 154).

Lithology: Greywacke, shale with interbeds of siliceous shale and volcanites, bedded limestone.

Fossils: Conodonts.

Origin, facies: Pelagic marine deposits dominated by shales, siliceous shales, tuffs and volcanites; note wrong color code in the ASC 2004.

Chronostratigraphic age: According to LOESCHKE & ROLSER (1971: Fig. 4, p. 154) Emsian–Famennian age is concluded based on conodonts that were obtained from limestone intercalations at the base of the sequence at the village of Vellach.

Biostratigraphy: -

Thickness: Few cm to 20 m (following LOESCHKE & ROLSER, 1971).

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Bronteus Limestone (conformable contact).

Overlying unit(s): Bronteus Limestone (conformable contact).

Lateral unit(s): Bronteus Limestone.

Geographic distribution: Karavanke Mountains (Eisenkappel and Seeberg area).

Remarks: -

Complementary references: ROLSER (1968), KUPSCH et al. (1971), SCHÖNLAUB (1979), TESSENHOHN (1983), SCHÖNLAUB & HISTON (1999, 2000).

Riffkalk / Reef Limestone

THOMAS J. SUTTNER

Validity: Invalid; first observed by TIETZE (1873); general lithological description by KUPSCH et al. (1971); biostratigraphy by SCHULZE (1968); facies and biostratigraphy of an equivalent, but more distally deposited unit within the Trögen Group by MOSHAMMER (1989, 1990).

Type area: ÖK50-UTM, map sheet 4114 Bad Eisenkappel (ÖK50-BMN, map sheets 212 Vellach, 213 Bad Eisenkappel).

Type section: -

Reference section(s): Christophorus-Fels (SCHÖNENBERG, 1965: Fig. 2, p. 32), N 46°26'08" / E 14°33'30"; Grosser Pasterk (N 46°26'25" / E 14°32'29"), Rapold (N 46°26'16" / E 14°33'13") published by SCHULZE (1968); Trögen Klamm section-group B (N 46°28'00" / E 14°30'24"), C (N 46°27'59" / E 14°35'03"), E (N 46°28'00" / E 14°30'30"), F1 (N 46°28'02" / E 14°30'12"), F2 (N 46°28'01" / E 14°30'18") published by MOSHAMMER (1989, 1990).

Derivation of name: After facies characters.

Synonyms: Durch Corallen ausgezeichnete obersilurische Kalke (TIETZE, 1873: p. 183–184); Rapoldrifff (SCHULZE, 1968); Devonkalke ungegl. (SCHÖNENBERG, 1965: Fig. 2, p. 31); Riff- und Riffschuttkalk (KUPSCH et al., 1971); massive Riffschuttkalke (MOSHAMMER, 1990: Fig. 2).

Lithology: Bioclastic limestone.

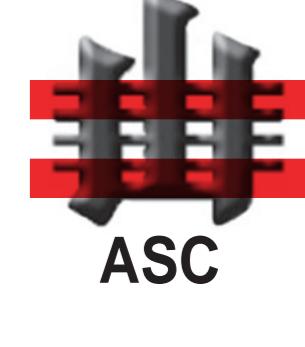
Fossils: Brachiopods, calcareous algae, conodonts, corals, ostracods, stromatoporoids.

Origin, facies: Marine limestone, neritic unit.

Chronostratigraphic age: Emsian–Famennian.

Austrian Stratigraphic Chart 2004 - Paleozoic

(sedimentary successions)



Austrian Stratigraphic Commission

