

ed within the summary of the Variscan carbonate sequences in the Carnic Alps by KREUTZER (1992b); additional biostratigraphic data provided by SCHÖNLAUB & KREUTZER (1993).

Type area: ÖK50-UTM, map sheets 3109 Oberdrauburg, 3110 Kötschach-Mauthen, 3116 Sonnenalpe Naßfeld, 3117 Nötsch im Gailtal (ÖK50-BMN, map sheets 197 Kötschach, 198 Weißbriach, 199 Hermagor).

Type section: -

Reference section(s): Kronhofgraben section south-east of the village of Würmlach (KREUTZER, 1992a: p. 270), N 46°39'19" / E 13°00'57"; Grüne Schneid (Cresta Verde), Plan di Zermula, Creta di Rio Secco, Rio Chianaletta (SCHÖNLAUB et al., 1991; PERRI & SPALLETTA, 1998a).

Derivation of name: After the Kronhofgraben south of Lower Bischofalm and northwest of Mount Hoher Trieb (SCHÖNLAUB, 1969b).

Synonyms: Kronhofkalk (KREUTZER & SCHÖNLAUB, 1984); calcari pelagici (VENTURINI, 2006).

Lithology: Grey to reddish flaser limestone, black shale at the base ("Kronhof Shale").

Fossils: Cephalopods, conodonts, trilobites.

Origin, facies: Marine limestone, pelagic unit (Pelagic Carbonate Facies).

Chronostratigraphic age: Tournaisian.

Biostratigraphy: *gattendorfia* and *merocanites* ammonoid zones; *sulcata* to *isosticha* conodont zones and *anchoralis* conodont zone (SCHÖNLAUB & KREUTZER, 1993).

Thickness: Up to 10 m (+ 0.2 m Kronhof Shale at the base of the unit).

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Pal Limestone (conformable contact); Marinelli Limestone (KREUTZER, 1992a: p. 271); in the Cima di Plotta section the Kronhof Limestone disconformably overlies the Spinotti Limestone (SCHÖNLAUB & KREUTZER, 1993: Fig. 5).

Overlying unit(s): Hochwipfel Formation (unconformable contact); Dimon Formation (unconformable contact).

Lateral unit(s): Plotta Lydite, Zollner Formation.

Geographic distribution: Carnic Alps.

Remarks: -

Complementary references: GAERTNER (1931), GEDIK (1974), KREUTZER (1990), DREESEN (1992), FEIST (1992), KORN (1992, 1999), KRÄINER (1992), SCHÖNLAUB et al. (1992, 2004), SCHÖNLAUB (1997), VAI (1998), VENTURINI & SPALLETTA (1998), SCHÖNLAUB & HISTON (1999, 2000), KAISER et al. (2006), SCHÖNLAUB & FORKE (2007).

Plotta-Lydite / Plotta Lydite

THOMAS J. SUTTNER

Validity: Invalid; name "Plotta Fm." introduced and described by SCHÖNLAUB et al. (1991).

Type area: ÖK50-UTM, map sheets 3109 Oberdrauburg, 3110 Kötschach-Mauthen, 3116 Sonnenalpe Naßfeld (ÖK50-BMN, map sheet 198 Weißbriach).

Type section: -

Reference section(s): North and south-east of Cima di Plotta (SCHÖNLAUB & KREUTZER, 1993), N 46°35'24" / E 12°54'30"; surroundings of Rifugio Marinelli and Casera Promosio, Grüne Schneid, quarry "Cava Val di Collina" (N 46°35'34" / E 12°56'27"), abandoned quarry at Casa Cantoniera, quarries "Cava di Marmo", abandoned quarry Malpasso (SCHÖNLAUB et al., 1991).

Derivation of name: After Cima di Plotta (SCHÖNLAUB et al., 1991).

Synonyms: Lydite (SCHÖNLAUB, 1980b); Plotta Fm. (SCHÖNLAUB et al., 1991); radiolarian cherts (VENTURINI & SPALLETTA, 1998).

Lithology: Discontinuous silcrete layers consisting of weakly bedded breccias or massive and laminated cherts (SCHÖNLAUB et al., 1991).

Fossils: Radiolarians?

Origin, facies: Silcrete regolith, fossil soil facies (SCHÖNLAUB et al., 1991).

Chronostratigraphic age: Tournaisian.

Biostratigraphy: The above mentioned age was concluded by SCHÖNLAUB et al. (1991: p. 97) based on a mixed conodont fauna (*anchoralis-latus* Zone) from the uppermost limestone bed disconformably overlain by the Plotta Lydite.

Thickness: Approx. 3 m

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Feldkogel Limestone (unconformable contact); Gamskofel Limestone (unconformable contact); Marinelli Limestone (unconformable contact); Kronhof Limestone (unconformable contact).

Overlying unit(s): Hochwipfel Formation (unconformable contact).

Lateral unit(s): Kronhof Limestone.

Geographic distribution: Carnic Alps.

Remarks: -

Complementary references: KRÄINER (1992), SCHÖNLAUB et al. (1992, 2004), SCHÖNLAUB (1997), VAI (1998), SCHÖNLAUB & HISTON (1999, 2000), VENTURINI (2006).

Hochwipfel-Formation / Hochwipfel Formation

THOMAS J. SUTTNER

Validity: Valid; stratigraphic relations discussed by KAHLER & METZ (1955), described in detail by VAN AMEROM et al. (1984), SCHÖNLAUB (1985a), SPALLETTA & VENTURINI (1988), VENTURINI & SPALLETTA (1998), VENTURINI (2006), validated by KREUTZER (1992a).

Type area: ÖK50-UTM, map sheets 3109 Oberdrauburg, 3110 Kötschach-Mauthen, 3116 Sonnenalpe Naßfeld, 3117 Nötsch im Gailtal, 3118 Arnoldstein, 4114 Bad Eisenkappel (ÖK50-BMN, map sheets 196 Obertilliach, 197 Kötschach, 198 Weissbriach, 199 Hermagor, 200 Arnoldstein, 201 Villach, 210 Aßling, 212 Vellach, 213 Bad Eisenkappel).

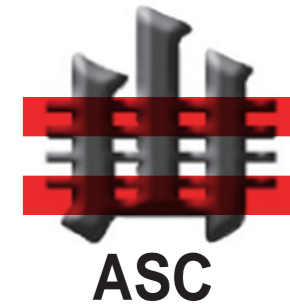
Type section: Mount Hochwipfel of the eastern Carnic Alps (KREUTZER, 1992a: p. 270), N 46°35'40" / E 13°10'35".

Reference section(s): Obere Wolayeralm, Kronhoftörl, east of the Obere Bischofalm, Nölblinggraben, Hoher Trieb,

Austrian Stratigraphic Chart 2004 - Paleozoic

(sedimentary successions)

Austrian Stratigraphic Commission



ERA	SYSTEM / PERIOD / SERIES / EPOCH	STAGE / AGE	DURATION Ma	Global Classification					
				ERATHM / ERA	SYSTEM / PERIOD / SERIES / EPOCH				
PALEOZOIC	PERMIAN	CHANGHSINGIAN / Dorashamian	251	PERMIAN	MID PERMIAN / GUADALUPIAN / LOPINGIAN				
		WUCHIAPINGIAN / Duhullian	255						
		CAPITANIAN	260						
		WORDIAN	265						
		ROADIAN	270						
		PERMIAN	LOWER PERMIAN / CISURALIAN			KUNGURIAN	275		
						ARTINSKIAN	280		
						SAKMARIAN	285		
						ASSELIAN	290		
		PERMIAN	TRIAS			GZHELIAN	295	TRIAS	U. CARBONIFEROUS / PENNSYLVANIAN
KASIMOVIAN	300								
MOSKOVIAN	305								
BASHKIRIAN	310								
TRIAS	LOWER CARBONIFEROUS / MISSISSIPPIAN			SERPUKHOVIAN	315				
				VISEAN	320				
				TOURNAISIAN	325				
PERMIAN	DEVONIAN			FAMENNIAN	350	DEVONIAN	UPPER DEVONIAN		
				FRASNIAN	355				
				GIVETIAN	360				
		EIFELIAN	365						
		DEVONIAN	LOWER DEVONIAN	EMSIAN	370				
				LOCHKOVIAN	375				
		PERMIAN	DEVONIAN	LUDFORDIAN / GORSTIAN	380			DEVONIAN	MIDDLE DEVONIAN
				HOMERIAN / SHEINWOOD	385				
				TELYCHIAN	390				
				AERONIAN	395				
RHUDDANIAN	400								
DEVONIAN	LOWER DEVONIAN			PRAGIAN	405				
				LOCHKOVIAN	410				
PERMIAN	DEVONIAN			WEN-LOCK / LOW	415	DEVONIAN	LOWER DEVONIAN		
				HIRNANTIAN	420				
				LLANDOVERY	425				
		AERONIAN	430						
		RHUDDANIAN	435						
		DEVONIAN	LOWER DEVONIAN	PRAGIAN	440				
				LOCHKOVIAN	445				
		PERMIAN	DEVONIAN	WEN-LOCK / LOW	450			DEVONIAN	UPPER ORDOVICIAN
				LLANDOVERY	455				
				AERONIAN	460				
RHUDDANIAN	465								
DEVONIAN	LOWER DEVONIAN			PRAGIAN	470				
				LOCHKOVIAN	475				
PERMIAN	DEVONIAN			WEN-LOCK / LOW	480	DEVONIAN	MIDDLE ORDOVICIAN		
				LLANDOVERY	485				
				AERONIAN	490				
				RHUDDANIAN	495				
		DEVONIAN	LOWER DEVONIAN	PRAGIAN	500				
				LOCHKOVIAN	505				
		PERMIAN	DEVONIAN	WEN-LOCK / LOW	510			DEVONIAN	LOWER ORDOVICIAN
				LLANDOVERY	515				
				AERONIAN	520				
				RHUDDANIAN	525				
DEVONIAN	LOWER DEVONIAN			PRAGIAN	530				
				LOCHKOVIAN	535				
PERMIAN	DEVONIAN			WEN-LOCK / LOW	540	DEVONIAN	UPPER CAMBRIAN		
				LLANDOVERY	545				
				AERONIAN	550				
				RHUDDANIAN	555				
		DEVONIAN	LOWER DEVONIAN	PRAGIAN	560				
				LOCHKOVIAN	565				
		PERMIAN	DEVONIAN	WEN-LOCK / LOW	570			DEVONIAN	MIDDLE CAMBRIAN
				LLANDOVERY	575				
				AERONIAN	580				
				RHUDDANIAN	585				
DEVONIAN	LOWER DEVONIAN			PRAGIAN	590				
				LOCHKOVIAN	595				
PERMIAN	DEVONIAN			WEN-LOCK / LOW	600	DEVONIAN	LOWER CAMBRIAN		
				LLANDOVERY	605				
				AERONIAN	610				
				RHUDDANIAN	615				
		DEVONIAN	LOWER DEVONIAN	PRAGIAN	620				
				LOCHKOVIAN	625				



- Legend**
- pelagic, offshore, siliciclastic
 - pelagic, nearshore, calcareous
 - shallow marin, neritic
 - terrestrial-continental, coarse clastic
 - terrestrial-continental, fine clastic
 - evaporite (chloride, sulphate)
 - rhyolite, dacite
 - (basaltic) andesite, trachyandesite
 - basalt
 - phyllite
 - mixed-facies (in corresponding colors)
 - coal (may include several seams)
 - ? position/age doubtful/controversial
 - | equal units
 - \ older unit left \ younger unit right
 - hiatus
 - unconformity
 - GSSP
 - Fm. Formation
 - Ls. Limestone

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