

Burgstaller Flaserkalke / Burgstall Flaser Limestones

BERNHARD HUBMANN

Validity: Invalid; first mentioned by DREGER (1905), a comprehensive description by SCHLAMBERGER (1987: p. 60; "Karbonatkomplex vom Grillkogel").

Type area: ÖK50-UTM, map sheet 4111 Leibnitz (ÖK50-BMN, map sheet 207 Arnfels).

Type section: No type section defined; SCHLAMBERGER (1987) presents a section of the quarry "Grillkogel" (458 m; N 46°44'52" / E 15°24'09").

Reference section(s): Further occurrences of limestones are recorded from the vicinity of the village Burgstall (N 46°44'40" / E 15°24'36") especially on the southern slope of the Grillkogel.

Derivation of name: After the village Burgstall.

Synonyms: Partly: Kalke des Burgstallkogels (DREGER, 1905; SCHIMUNEK, 1958; HERITSCH, 1943); Flaser- und Crinoidenkalke des Burgstallkogels (SCHÖNLAUB, 1979).

Lithology: Light grey dolostones, crinoidal limestones (sometimes intercalated with black marly slates), brownish flaser limestones with colored clay lenses ("colorful limestones") and lydites.

Fossils: Conodonts, badly preserved tentaculites.

Origin, facies: Pelagic environment.

Chronostratigraphic age: Pragian–Emsian (up to Givetian?) (BUGGISCH et al., 1975).

Biostratigraphy: -

Thickness: Strong variation in thickness; approx. 80 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Metabasaltic Complex.

Overlying unit(s): Greywackes.

Lateral unit(s): ?Greywackes.

Geographic distribution: Sausal region, ?Remschnigg; ÖK50-BMN, map sheets 190 Leibnitz, 207 Arnfels.

Remarks: DREGER (1905) described the finding of a *Favosites* (now lost!) within crinoidal limestones and assumed a Devonian age. Following the description of SCHLAMBERGER (1987) of the Grillkogel quarry dolostones are unconformably overlain by a sequence of crinoidal limestones, "colorful limestones" and flaser limestones. After a fault lydites unconformably terminate the section.

Complementary references: -

Grauacke / Greywackes

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Validity: Invalid; collective term for very bad exposed rocks above the Devonian calcareous sequence in the Sausal – Remschnigg area.

Type area: ÖK50-UTM, map sheet 4111 Leibnitz (ÖK50-BMN, map sheet 207 Arnfels).

Type section: No section cited in the literature.

Reference section(s): -

Derivation of name: After the predominant lithology of strata overlying the phyllitic successions and crinoidal limestones respectively.

Synonyms: Partly: Scholle von Heiligengeist (WINKLER-HERMADEN, 1933), Grauacke (SCHÖNLAUB, 1979).

Lithology: Various fine-grained siliciclastic rocks including dark colored mica-rich argillaceous slates and sandstones (see FLÜGEL & NEUBAUER, 1984).

Fossils: Unknown.

Origin, facies: ?

Chronostratigraphic age: Devonian (?Carboniferous).

Biostratigraphy: -

Thickness: Strong variation; presumably several tens of meters.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): ?Burgstall Flaser Limestones and rocks of the Metapsammitic Complex.

Overlying unit(s): -

Lateral unit(s): -

Geographic distribution: Remschnigg, ?Sausal region; ÖK50-BMN, map sheets 190 Leibnitz, 207 Arnfels.

Remarks: -

Complementary references: -

Lydite / Lydites

BERNHARD HUBMANN

Validity: Invalid; restricted to very small occurrences in the Remschnigg area only.

Type area: ÖK50-UTM, map sheet 4111 Leibnitz (ÖK50-BMN, map sheet 207 Arnfels).

Type section: HERITSCH (1933b) and WINKLER-HERMADEN (1933) reported isolated outcrops in the western part of the Altenbachgraben (N 46°40'18" / E 15°20'54").

Reference section(s): WINKLER-HERMADEN (1933) described an additional occurrence at Heiligengeistklamm – Jarzkogl (N 46°37'55" / E 15°28'09").

Remarks: Due to bad exposure the position of the lydites is not clear. HERITSCH (1933b) mentioned some possible connections with coral-bearing crinoidal limestones of the Remschnigg area.

Derivation of name: After the dominant lithology (lydite = Paleozoic chert) of the unit.

Synonyms: Kieselschiefer und Lydite (HERITSCH, 1933b); partly: Scholle von Altenbach (WINKLER-HERMADEN, 1933).

Lithology: Siliceous cherts (lydites).

Fossils: Unknown.

Origin, facies: ?

Chronostratigraphic age: (?)Upper Devonian.

Biostratigraphy: -

Thickness: Unknown.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Unknown; crinoidal limestones? (= ?Burgstall Flaser Limestones).

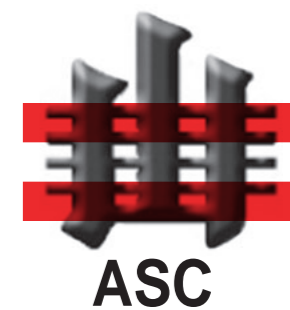
Overlying unit(s): Greywackes (?).

Lateral unit(s): -

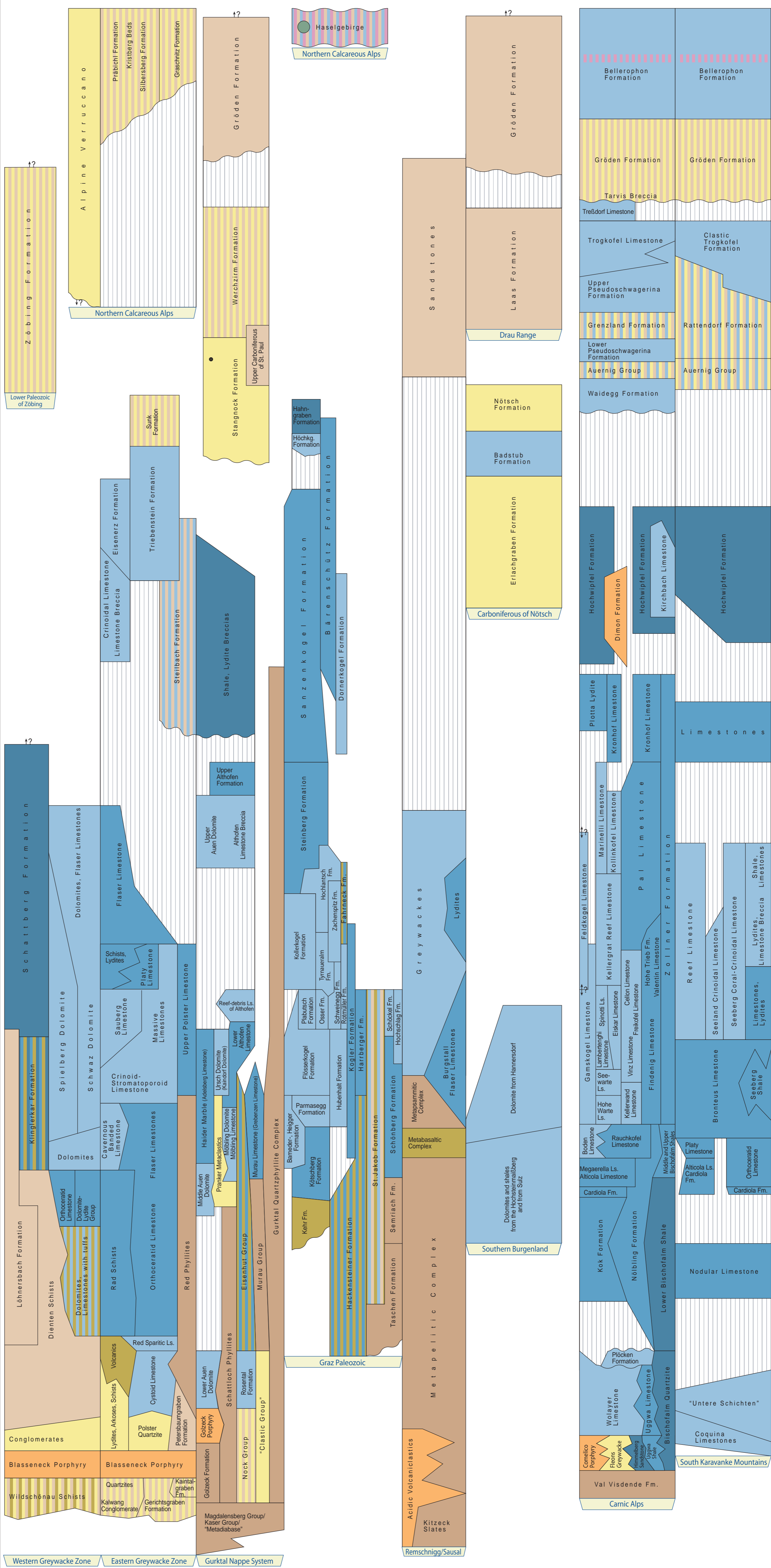
Austrian Stratigraphic Chart 2004 - Paleozoic

(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 / Dorashanian | 251 | PERMIAN | MID PERMIAN / GUADALUPIAN / LOPINGIAN | | | | |
| | | WUCHIAPINGIAN / Dufuflian | 255 | | | | | | |
| | | CAPITANIAN | 260 | | | | | | |
| | | WORDIAN | 265 | | | | | | |
| | | ROADIAN | 270 | | | | | | |
| | | PERMIAN | LOWER PERMIAN / CISURALIAN | | | KUNGURIAN | 275 | | |
| | | | | | | ARTINSKIAN | 280 | | |
| | | | | | | SAKMARIAN | 285 | | |
| | | | | | | ASSELIAN | 290 | | |
| | | PERMIAN | UPPER PERMIAN / CARBONIFEROUS / PENNSYLVANIAN | | | GZHELIAN | 295 | PERMIAN | LOWER PERMIAN / CISURALIAN |
| KASIMOVIAN | 300 | | | | | | | | |
| MOSKOVIAN | 305 | | | | | | | | |
| BASHKIRIAN | 310 | | | | | | | | |
| PERMIAN | UPPER PERMIAN / CARBONIFEROUS / PENNSYLVANIAN | | | SERPUKHOVIAN | 315 | | | | |
| | | | | VISEAN | 320 | | | | |
| | | | | | 325 | | | | |
| PERMIAN | LOWER PERMIAN / MISSISSIPPIAN | | | TOURNAISIAN | 330 | PERMIAN | LOWER PERMIAN / MISSISSIPPIAN | | |
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| | | 359.2 | | | | | | | |
| | | 365 | | | | | | | |
| | | 370 | | | | | | | |
| | | 375 | | | | | | | |
| PERMIAN | UPPER DEVONIAN | FAMENNIAN | 380 | PERMIAN | UPPER DEVONIAN | | | | |
| | | FRASNIAN | 385 | | | | | | |
| | | GIVETIAN | 390 | | | | | | |
| | | EIFELIAN | 395 | | | | | | |
| | | DEVONIAN | LOWER DEVONIAN | | | EMSIAN | 400 | | |
| | | | | | | 405 | | | |
| | | PRAGIAN | 410 | | | | | | |
| | | LOCHKOVIAN | 415 | | | | | | |
| | | PERMIAN | LOWER DEVONIAN | | | LUDFORDIAN / GORSTIAN | 420 | PERMIAN | LOWER DEVONIAN |
| | | | | | | HOMERIAN / SHEINWOOD | 425 | | |
| TELYCHIAN | 430 | | | | | | | | |
| AERONIAN | 435 | | | | | | | | |
| RHUDDANIAN | 440 | | | | | | | | |
| HIRNANTIAN | 443.7 | | | | | | | | |
| 445 | | | | | | | | | |
| 450 | | | | | | | | | |
| 455 | | | | | | | | | |
| 460 | | | | | | | | | |
| PERMIAN | UPPER ORDOVICIAN | DARRIWILIAN | 465 | PERMIAN | UPPER ORDOVICIAN | | | | |
| | | 470 | | | | | | | |
| | | 475 | | | | | | | |
| | | 480 | | | | | | | |
| | | 485 | | | | | | | |
| | | 488.3 | | | | | | | |
| | | 490 | | | | | | | |
| | | 495 | | | | | | | |
| | | 500 | | | | | | | |
| | | PERMIAN | MIDDLE CAMBRIAN | | | PAIBIAN | 505 | PERMIAN | MIDDLE CAMBRIAN |
| 510 | | | | | | | | | |
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| 542 | | | | | | | | | |
| CAMBRIAN | LOWER CAMBRIAN | | | | 545 | CAMBRIAN | LOWER CAMBRIAN | | |
| | | 550 | | | | | | | |
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- 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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Cutout and English adaptation of the "Die Stratigraphische Tabelle von Österreich 2004": Geological Survey of Austria

The Austrian Stratigraphic Chart 2004 - Paleozoic is a supplement of:
 Hubmann, B., Ebner, F., Ferretti, A., Kido, E., Krainer, K., Neubauer, F., Schönlaub, H.-P. & Suttner, T.J. (2014): The Paleozoic Era (them), 2nd edition. - In: Pillner, W.E. (Ed.): The lithostratigraphic units of the Austrian Stratigraphic Chart 2004 (sedimentary successions) - Vol. 1 - Abhandlungen der Geologischen Bundesanstalt, 66, 9-133, Wien.

Printing: Grasl Druck & Neue Medien GmbH, Bad Vöslau 2014

