

Index to Karren Terms

in the book "Karst Rocky Features: Karren Sculpturing", 2009.

Bold indicates a major treatment.

Italics indicates a photo, figure or table.

i>

+ indicates that the term appears on following pages also.

A

A-tent (cf pressure ridge) 395
 Above sediment anastomoses / channels 49, 129, 130(subsoil)
 Above sediment channels 129
 Aeolian Flachkarren (very smooth pavements) 332, **333**, 334
 Aeolianite (see Eolianite)
 Along sediment cups 131
 Altitudinal zonation 435
 Alveoles 85, 249
 Anastomoses, above sediment 49, 129, 130(subsoil)
 Anastomoses, subsoil 130
 Arête 426, 435
 Arête & doline karst 433
 Arête karst (A & Pinnacle karst) 16, 431, **433-37**
 Armoured rim (rampart) 254
 Assegai 431
 Asymmetrical kluftkarren (grikes) 336, 342
 Asymmetrical shaft 337
 Ausgleichsfläche (see also solution bevel, solution level) 16, **20**, 158, 158, 161, 163, 167, 168, 185, 202-3, 212, 317, 321

B

Bare karren 387, 389, 421
 Basin pools (coastal kamenitza?) 491, 492-3, 495, 496, 498, 500, 501
 Basins (not all are kamenitza) 140, 147, 250, 252, 256, 258-9, 261, 263, 399(large), 529
 Beachrock 255
 Bedding plane fissures 327
 Bench, solution 254
 Bevel rinnenkarren 213
 Bevel, solution (ausgleichsflächen) 16, **20**
 Bio-erosion 260-62, 277, 500, 507
 Biofilm 38, 75, 178, 259, 262, 497
 Biogenic effects (see also Biokarst) 104-5, 141, 201, 260+, 428+, 430, 497-8, 500, 529
 Biokarst **37-45**, 80, 84, 173, 249, 273, 380+, 430, 480, 502
 Biokarstic borings **19**, 171, 174, 183
 Blocks (of rock city) 469, 470, 473
 Bodenkarrren 16, 103
 Bogaz 10, 401, 415, 416, 419, 421
 Bogaz, subsoil 103, 110, 117
 Boiler reef 254
 Boneyard 109, 110
 Bonshommes de craie (pinnacles) 522

Borehole 262
 Borings 16, 19, 171, 174, 183
 Bottom basins / kamenitza (in rinnenkarren) 213, 214
 Bottom channel pots (in rinnenkarren) 214
 Box valley (bogaz) 401, 408(not bogaz)
 Boxwork 530, 531
 Brackish water coastal karren 259, 263

C

Calcarenites 75, 262, 264, 493-4, 513+
 Calcrete 271+, 514+, 518-9
 Cannelures (rillenkarren) 187
 Cap rock 514
 Case hardening 86, 86, 272
 Cavernous karren 109-110
 Cavernous subsoil weathering 103, 109
 Cavernous weathering **85-87**, 109, 110(subsoil), 264
 Cemented rims (in solution pipes) 515, 516, 519
 Chalk 90, 258, 522
 Champignon surface 480
 Channel line (talweg) 229, 229
 Channel-end pits (in rinnenkarren) 213, 214
 Channels (see runnels) 52
 Channels, subsoil 104, 110, 115, 124, 126+, 126, 127, 128, 129, 130, 449
 Cliff coasts 488, 490
 Clint pool (kamenitza) 140
 Clints (flachkarren) 16, 18, **21**, 89, 92, 101, 101, 171, 272, **275-290**, 395, 398, 472, 472, 505
 Clitter 272
 Closed basins (not kamenitza) 530
 Coastal eogenetic karren **475-485**
 Coastal karren 144, 145, **249-264**, 273, 342, 343, 384, **475-485**, **487-502**, 489, 503-7, 530, 530, 532
 Cockling 16, 17, **20**, 172, 257, 371?, 383(horizontal)
 Cold coastal karren 258+, 261
 Complex rinnenkarren 214
 Composed rock forms 446, 449
 Composite karren 480
 Concentric laminae (in solution pipes) 517
 Conduits, subsoil 454+
 Cones 417
 Constructional rampart 253
 Corniche 254
 Corridors, karst (see karst corridors) 470
 Corrosion (see also under Solution)

Corrosion basin (kamenitza) 140
 Corrosion cup / solution cup (kamenitza) 140,
 145, 147+, 147, 148, 149, 324, 325
 Corrosion pits (ex pyrite) 295, 295
 Corrosion terraces **161-168**
 Coupola/cupola? 417, 419
 Covered (see subsoil, subcutaneous)
 Covered karren (see subsoil karren) 103+, 439+,
 529
 Crevices 416
 Crypto lapiaz 383, 418
 Cryptokarst 124, 419, 527, 529
 Cupola/coupola? 413, 418, 420
 Cups, along sediment 131
 Cups, corrosion (see corrosion cups)
 Cups, echinoderm 264
 Cups, subsoil 124, 125, 133, 134, 442, 446, 449
 Cutters 16, **21**, 89, 116, 116, 117, **349-358**. 528, 529

D

Dammed rampart 250
 Dark zone (coastal karren) 481-2, 479, 483, 495?
 Debris karren 366, 366
 Decantation flutes 200, 385, 397, 530, 531, 532
 Decantation runnels (etc) 16, **20**, 110, 116, 141, 212,
 397
 Dendritic runnel pattern 279
 Density of karren 67-8, 69, 238(wandkarren)
 Development of meander karren 229, 232
 Dolines (& other depressions) 279, 283, 287, 294,
 302, 396, 414, 418, 424, 526
 Dome-like hills 531
 Dragon teeth (stone teeth) 418, 419, 420
 Drip pits 175

E

Effluent runnel (ex kamenitza) 140
 Embryonic trittkarren 151, 152
 En echelon (grikes, joints) 92, 93
 Enclosures 531
 Endolithic 28, 251, 262, 480-81
 Eogenetic karren 22, 44-45, 251, 480-81, 483,
 513
 Eolianite (aeolianite, dune limestone) 251,
 253, 255, 476, **480-481**, 488, 514
 Epikarst 18, 89, 90, 113, 349+, 407, 427, 439,
 522
 Epilithic 38, 262, 480
 Erosional notch 250, 251
 Erosional ramp 250, 253, 256, 258, 259, 261
 Etched pothole (Kamenitza) 140
 Etching (and etched forms) 16, 19, 174, 202, 384,
 398, 408, 529(selective solution), 530, 531
 Evaporites (see also gypsum, halite) **525-533**
 Experimental studies 23-24, **25-36**, **47-54**, **55-61**,
 132, 200, 203-9, 343-6, 352-7, 456-7, 461-7

F

False meander 223
 False meanderkarren 224, 224, 225
 Fill material (in solution pipes) 516-7
 Fire 387
 Firstkarren (rillenkarren) 187
 Fissure karren (grikes etc) 366
 Flachkarren (see also clints) 16, 18, **21**, 89. (and cf
 aeolian flachkarren, 333)
 Flutes (see rillenkarren) 16, 20, 52, 52, 54, 185,
 187, 294
 Flutes, subsoil 124
 Fossil notches 255, 257
 Free karren 103
 Fresh-water coastal karren 259-60, 263
 Fretting / fretted 257, 273, 407, 425, 491, 496
 Funnel karren (trichterkarren) 16, **21**
 Funnel-like notches 442, 449
 Funnel-shaped mouths 446, 449
 Furrow(-like) karren (runnels) 363+
 Furrows, subsoil 454+

G

Geological organ (geologische orgeln, solution pipe)
 103, 110, 113, 513
 Ghost tubes (solution pipes) 517, 519
 Giant grike (bogaz, etc) 90, 100, 396, 401, 402,
 403, 404, 415
 Giant karren (tsingy) 411
 Giant limestone pavements (rock cities) 469+
 Giant meanderkarren 335, 336, 336
 Giant pinnacles (see also tsingy and pinnacle
 karrenfields) 426
 Giant runnels/rinnenkarren 331, 335
 Giant wandkarren 331, 335
 Glacial pavements 267+, 299+
 Glaciokarst 161+, 299+, 313+, 323+, 329+
 Gorge (large) 415, 419
 Gorges (meanderkarren) 223
 Granular disintegration 264
 Grike flare 282, 282, 283, 289
 Grike, giant (bogaz, etc) 90, 100, 396, 401, 402,
 403, 404, 415
 Grike holes 279, 281, 283, 284, 285
 Grikes (kluftkarren) 16, 18, **21**, 69, **89-102**, 107,
275-290, 294, 297, 315, 317-22, 327, 336, 366-
 7, 383, 403-4, 404, 408, 416, 472, 472, 505, 527,
 528
 Grikes, subsoil (see cutters)
 Grižine (karren) 359
 Groove, gastropod) 262
 Grooves, solutional (runnels?) 363+
 Grübchenkarren (rainpits) 170
 Grusification 259
 Gutters (in meanderkarren) 223
 Gypsum 14, 26, 33, 34, 60, 151, 186, 197-9, 203,
 206-7, 209, 213, 223,, **525-533**

Gypsum bubbles 321

H

Half-bells, subsoil 104, 110, 111, 112, 124, 136, 136, 451
Half-free karren 103
Halite (salt) 12, 22, 60, 188, 197-9, 203, 206-7, 209, 213, 223, 238, **525-33**
Hanging kamenitza 213, 214
Hardpan (calcrete) 514, 518, 519, 523
Heelsteps / heelprint karren (trittkarren) 16, **20**, 66, 69, 151, 294, 317-22, 526, 527, 528
Hohlkarren (undercut runnels) 16, **21**, 103, 128, 212, 309, 364, 364
Holes, subsoil 454+
Hollows, subsoil 16, **21**
Home scar (molluscs etc) 262
Honeycomb cupola 143, 420
Honeycomb karren 110(subsoil), 428, 430
Honeycomb weathering 85, 109, 249, 496, 531
Humus rinnenkarren 326
Hydroaeolian karren **329-348**
Hydroaeolian wedges 337, **338**, 339

I

Impounded karst 392
Intertidal karren 249
Intertidal notch 257, 260, 261
Irregular etching 16, **19**
Irregular subsoil shaping 109+

J

Jaggedness 251

K

Kainite 525
Kamenice (kamenitza) 140
Kamenitza (solution pans) 16, **20**, 65, 69, 98, 99, 103, **139-150**, 163, 165, 179, 278, 315, **323-26**, 324, **367-71**, 369, 370, 397, 398, 405, 446, 451, 473, 505, 507, 510, 511
Kamenitza, coastal 144, 145, 250+(basins, qv), 482-4 (large pits), 490-3 (basin-pools, qv), 495+(basin-pools), 501, 505-7, 511
Kamenitza, hanging 213, 214
Kamenitza, nested 324, 325
Kamenitza, overflow runnel 140
Kamenitzas, subsoil 124
Kannelierungen 187
Karren 13-24
Karren assemblages 18, 317, 384-5, 385
Karren bridge 213, 220
Karren cave 65, 213, 214, 217, 218, 220, 220
Karren classification **16**
Karren complex 320-22
Karren, composite 480
Karren, eogenetic 22, 44-45, 251, 480-1, 483, 513

Karren, fissure (grikes etc) 366
Karren, free, half-free, covered 103
Karren, funnel (trichterkarren) 16, **21**
Karren hollows 68
Karren, honeycomb 110(subsoil), 428, 430
Karren, hydroaeolian **329-348**
Karren, intertidal 249
Karren island / inselberg (in meanderkarren) 225, 226
Karren, juvenile 318, 319
Karren, lacustrine **507-12**
Karren landscape 15
Karren neck (in meanderkarren) 225
Karren pipe (solution pipe) 65, 69, 315, 320, 321
Karren, pot-like 371, 372-3
Karren, ripple (trittkarren) 152, 220
Karren, root (root grooves, root lapiés) 109, 110, 372
Karren shaft (solution pipe) 69, 112, 113, 314, 315, 317-22, 327, 336, 337
Karren sinkhole (pit) 212
Karren, spike 223
Karren, step (trittkarren) 151
Karren, subsoil 16, **21**, 22, 48, 49, 75, **103-21**, 110(terms), 124(terms), **123-37**, 374, 387, 389, 399, 439+, 453+, 458, 514, 529
Karren tables (karrentische) 71, 294, 297, 297
Karren terraces 214, 219
Karren, tetrahedron 153
Karren, tube (Rohrenkarren) 260
Karren well (karrenröhren) 68, 69, 110, 112, 113, 315, 317-22, 372, 373
Karren window 220, 213
Karrendoline (kotlich, snow kettle) 299
Karrenfield 14, 16, 291+, 311, 313-22, 378, 388, 403-4, 403, 404, 407, 411+, 412, 414, 416, 417, 419, 423, 437
Karrenfussnäpfe (Napfkarren) 309
Karrenröhren (karren well) 68, 69, 110, 112, 113, 315, 317-22, 372, 373
Karrentische (karren table) 71, 165, 294, 297, 297, 340, 340
Karst corridor 396, 416, 418, 469, 472
Kavernösenkarren 103, 104, 110
Keel-shaped wedge 338
Kettle, snow (kotlich) 161, 299, 301
Kluftkarren (grikes) 16, 18, **21**, 69, **89-102**, 107, **275-290**, 294, 297, 308, 315, 317-22, 327, 336, 342, 349, 359 (grizine), 366-7, 383, 403-4, 404, 408, 416, 472, 472, 505, 527, 528
Kluftkarren, asymmetrical 336, 342
Knobs, small 528
Korrosionshohlkehlen 212
Kotlich (snow kettle) 161, 299, 305, 306, 310
Kuppen 418

L

Lacework morphology 480
Lacustrine karren **507-12**
Lacustrine pittings 510, 512
Lame dentates (sharpened edges) 16, **21**
Lapiaz (lapiés) 13, 16, 63, 257
Lapiés à nid de poules (kamenitza) 140
Lapiés à cupules (rainpits) 16, 21
Lapiés pothole (kamenitza) 140
Lašt (pavement) 303
Laterite karst (pits & pinnacles) 523
Light zone (coastal karren) 479, 481-2, 483
Limestone pavement 16, 90, 107, **267-74, 279-90, 299-312**, 469
Littoral karren (see coastal karren) 249, 503
Lost city (= stone city, rock city) 408

M

Mäanderkarren (Meandering runnels) 16, **20**, 65, 66, 67, **223-35**, 294, 317-22, 324, 366, 381, 400, 528
Mapping methods 63-4, 64
Marmite (kamenitza) 140
Meander, developing 230, 232-5, 233
Meander, false 224, 230
Meander, forced 234, 235
Meander, free 234, 235
Meander, looping 230, 232-4
Meander, perishing 233, 235
Meander, remnant 230, 232-4
Meander scour grooves 224, 225, 226
Meander, shifted 234, 235
Meander, strained 234, 235
Meander terraces 226
Meander, true 224
Meandering runnels (see mäanderkarren) 16, **20**, 65, 66, 67, **223-35**, 294, 366, 381, 528
Meanderkarren (mäanderkarren, meandering runnels) **223-35**, 317-22, 324, 400
Meanderkarren, giant 335, 336, 336
Mediterranean coasts 258-9
Megaausgleichfläche 167
Megalapies 411
Merokarst 401
Micro-conduits 528
Micro-loops 528
Micro-meanderkarren 223
Micro-meanders 527, 528
Micro-network 76, 79, 398, 399, 405
Micro-notch (in a kamenitza) 142, 144
Micro-pans 405, 406
Micro-pits 171, 174, 258, 398, 405, 409, 490-2(coastal), 495, 496, 528
Micro-ridges 527, 528
Micro-shafts 528
Micro-spikes 19, 383
Micro-stromatolites 262

Micro-teeth 398, 399, 405
Micro-tessellations 405
Microkarren 16, **19, 73-84**, 76, 79, 81, 174, 259, 263, 363, 383, 398, 399, 405, 407, 409, 491, 494, 495, 526, 527, 528, 529
Microrills (rillensteine) 16, **19, 73-84**, 76, 79, 174, 259, 263, 383, 405, 409, 491, 494, 495, 526, 527, 528, 529
Mini rain craters (rainpits) 170
Minute-spitzkarren 527, 528
Misczka krasowa (kamenitza) 140
Moat 254
Moldic pores 354, 354
Morphometrics 23-24, 52-53, **63-72**, 75-78(microkarren), 101-2(grikes), 112(pits/wells/shafts/pipes), 154+(trittkarren), 175-9(rainpits), 187-200(rillenkarrren), 205, 227-32(meanderkarren), 238-241 & 244(wandkarren), 285 & 289(grikes), 315-7(karrenfields), 344(step pools), 379-80(rillenkarrren), 397 (rillenkarrren), 398(microkarren), 481-4(pitting), 490-3(basin pools), 505(coastal pans), 514(solution pipes), 528(evaporites).
Mushroom rock 251, 257, 279, 421, 442, 447, 448, 470

N

Nannomorphologies 497-99
Napfkarren 309
Napfkarren (kamenitza) 140, 309?
Napfkarren (rainpits) 170, 309?
Needles, small 398
Nested solution pans 324, 325
Network karren(grikes) 69, 319, 366-7, 367
Networks of subsidiary fissures (cutters) 352
Nischenkarren 151, 152, 157, 158, 159, 213
Notch 103, 135, 251, 257, 258-9, 260, 261, 311, 342, 343, 425, 445, 446, 491, 492, 503
Notch & visor 251, 491
Notch / nitch, subsoil 49, 103, 104, 110, 111, 112, 124 131, 133, 134, 442, 445
Notch, undercut 135
Notches, fossil 255, 257
Notches, funnel-like 442, 449

O

Oblique pedistal (hydroaeolian) 340
Oblique pillar (hydroaeolian) 339, 341
Opferkessel (kamenitza) 147

P

Palaeokarst 23, 100, 101, 139, 267, 268-9, 273, 278, 280+, 285-6, 288, 314, 326, 457, 517
Palaeosoil 268-71, 476-8, 515, 516
Pans, solution (kamenitza) 16, **20**, 103, 112, **139+**, 140, 179, 259, 261, 263, 324, 325, 326, **367-71**, 397, 398, 528

Pans, subsoil 113, 124
 Pavement (see also limestone pavement) 90, **267-74**, 272, 273, **275-90**, 293, 296, **299-312**, 332-4, 395, 401, 406, 528.
 Pavement, cuesta-like (schichtrippenkarst) 303, 305, 306, 307
 Pavement, even (dip-slope) 303, 304, 305
 Pavement, inverse 303, 309
 Pavement, stepped (schichttreppenkarst) 303, 305, 306, 308
 Pavement types 271+, 303, 305+
 Pavements, glacial 267+, 299+
 Pedestal 271, 285, 297, 339, 340, 428
 Pediment 394, 395, 401
 Pendants, subsoil 133
 Petrified forest 515, 517
 Photokarren (phototropic karren) 44, 45, 249, 397, 405, 507
 Phytokarst 43, 44, 45, 140, 141, 249, 397, 407, 480, 514
 Pillars (see also pinnacles) 419, 439+, 445, 450, 451, 453+, 456, 458
 Pinnacle karrenfield/karst (see also stone forest, shilin, tsingy) 16, 387, **411+**, 419, **423+**, **433+**, **439+**, **453+**, 528.
 Pinnacles (see also spitzkarren, tsingy, stone-teeth) 15, 16, **21**, 90, 116-7, 117, 250, 252-3, 261, 336, 349, 350, 382, 382-3, 386, 388, 393, 396, 401, 405, **413+**, 419, **423-32**, **433+**, 435, **439+**, **453+**, 455, 480, 491, 494, 501, **520-3**, 528, 529.
 Pinnacles, giant (see also tsingy and pinnacle karrenfields) 393, 426
 Pinnacles, subsoil 23, 110, 104, 116-7, 407
 Pipe, solution (see solution pipe, kamenitza)
 Pipes, subsoil **21**, 399
 Pipes, tubular 301, 310
 Pit cave (solution pipe) 515-6, 520
 Pit, corrosion (ex pyrite) 295, 295
 Pit, solution (kamenitza) 140
 Pits, solution (rainpits etc) 16, 20, 112, **169+**, 250, 259, 260, 263, 272, 273, 455, 475, 480-85, 483, 484, 496, 507, 509, 510, 512, 513, 528.
 Pits (in rinnenkarren) 213, 214, 217, 220,
 Pitting, lacustrine 510, 512
 Pitting, subsoil 175
 Plate-forme à vasques 254
 Platform (see also coastal karren) 503
 Playa basins 150
 Polygon pans / basins 530, 531
 Polygonal karst 434
 Pores, enlarged primary 352
 Potholes 280, 301, 496
 Pressure ridges / humps 531
 Puit à neige 161, 299

R

Racines du manteau d'altération (solution pipes) 522

Rain craters (rainpits) 527
 Rain scallops 446
 Rain solution channels 212
 Rainpits (see also pits, solution) 16, **20**, **169-83**, 185, 383, 397, 408, 444, 514, 527
 Raised dyke 339, 347
 Ramp (coastal) 256, 258, 261
 Rampart (coastal) 250, 254
 Recesses, subsoil 110, 113
 Regenrinnenkarren 212, 381
 Remnant subsoil forms 118+
 Rhizomorphs / Rhizocretions 517, 521
 Rib, winding 22
 Richer slope 394, 394, 395
 Rillenkarrren (solution flutes) 14, 16, 17, **20**, 23, **30-33**, 43, **55-61** (models), 65, 69, 118, 171, 172, 179-80, **185-210**, 294, 295, 317-22, 378-80, 379, 395, 397, 401-2, 415, 428, 455, 491, 494, 526, 527, 527, 528, 531.
 Rillensteine (see microrills) 16, 174, 259, 263, 383
 Rim (of solution pipes) 515
 Rim, armoured (rampart) 254
 Rimmed pools 253, 254, 261, 264
 Rinnenkarren (runnel) 16, **20**, 64, 172, 178, 199, **211-22**, 294, 297, 317-22, 335, 363, 363, 380, 381, 396, 472.
 Rinnenkarren, bevel 213
 Rinnenkarren, complex 214
 Rinnenkarren, Type I, II, III channels 213, 214+, 215, 216
 Ripple karren (tritttkarren) 152, 220
 Ripples (see solution ripples)
 Ripples, wave-like (hydroaeolian) **333**, 333, 336
 Roches moutonnées 164-5
 Rock city (see also ruiniform) 404, **469-73**
 Rock comets 337, **338**
 Rock pool (kamenitza) 140
 Rock tank (kamenitza) 140
 Röhrenkarren / Rohrenkarren (tubular pits) 260, **510**, 511, 512
 Root karren (root grooves, root lapiés) 109, 110, 372
 Ruiniform (rock city, stone city) 110(subsoil), 117-8, 404, 421, 469-73
 Rundhöckerkarst (glacial knobs) 325
 Rundkarren (rounded runnel) 16, **21**, 103, 104, 108, 114, **114-16**, 115, 211, 212, 271, 309, 364, 381, 383, 428, 429, 472, 527, 528.
 Runnel (broad term, rinnenkarren) 16, **20**, 22, 52, 64, 65, 69, 93, 185, 251, 272, 279, 280, 283, 290, 294, 297, 315, 317-22, 324, 325-6, 335, 363, 363, 364, 365, 380-81, 381, 382, 383, 399, 400, 430, 472, 526, 527, 528, 529, 530.
 Runnel, decantation 16, 20
 Runnel, effluent (ex kamenitza) 140
 Runnel, flat-floored 399, 400

Runnel, meandering 16, 366, 400
 Runnel/rinnenkarren, giant 331, 335
 Runnel, rounded (see rundkarren) 16, 21, 114, 212, 309, 383
 Runnel, subsoil 52, 114, 115, 126+, 128, 442
 Runnel, undercut (hohlkarren) 16, 21, 103

S

Salt (see halite)
 Salt karren 12, 22, 527
 Salt weathering 85, 86, 259, 264, 480, 500
 Scallops 199, 214, 402, 446, 503, 527, 528, 530
 Scallops, subsoil 48, 104, 110, 124, 131, 131, 132, 446, 449
 Schachtdolinen (kotlich, snow kettle) 161, 299, 305
 Schichtfugenkarren (slots) 241, 244, 245, 246, 247, 248.
 Schichttreppenkarst (staircase karren) 270, 271, 294, 295, 296, 298, 314, 317, 318-10
 Schichttrippenkarst (cuesta-form karren) 294, 295
 Scoriaceous cockling 257
 Selective solution (see etching) 367?, 529, 530, 531
 Shaft 112, 300, 306, 327(minute), 424, 427, 427
 Shaft, asymmetrical 337
 Shaft, subsoil 112, 126, 113, 407, 513
 Shape (meander & wandkarren form ratio) 227, 238
 Sharpened edges (lame dentates) 16, 21
 Shilin (stone forest) 423, 431, 437, 439-52, 453-59
 Ship-bottom-like karren (hydroaeolian) 339, 340-41, 342
 Ship-bottom-like wedge 338
 Shore platforms 249, 250, 253, 261
 Sige karren (vuggy rock) 367, 368
 Sinuosity 67, 223, 227, 381
 Skedenj (ridge) 301
 Slippage (meander karren) 229-30
 Small knobs 528
 Small needles 398
 Smooth surfaces (subsoil) 16, 21, 110, 118, 119, 137
 Snow kettle (kotlich) 161, 299, 301
 Soil karren (see subsoil) 103
 Soil plug (cutter) 353
 Soils: acid & calcareous 106-8, 106, 120, 121
 Solution basin (kamenitza) 140, 147, 399 (broad SB)
 Solution bench 254
 Solution bevel (ausgleichsflächen) 16, 20
 Solution cups (see corrosion cups) 324, 325
 Solution flutes (see rillenkarren) 16, 20, 185, 187, 294
 Solution hollows (kamenitza) 505

Solution levels (ausgleichsflächen) 317, 321, 526, 527, 527, 531
 Solution notches 103, 135
 Solution pan (kamenitza) 16, 20, 103, 112, 139+, 140, 179, 259, 261, 263, 324, 325, 326, 367-71, 397, 398, 528
 Solution pipes 103, 112, 113, 273, 310, 513-23
 Solution pit (kamenitza) 140
 Solution pits, subsoil 112
 Solution pits (rainpits etc) 16, 20, 112, 169+, 250, 259, 260, 263, 272, 273, 455, 475, 480-85, 483, 484, 496, 507, 509, 510, 512, 513, 528.
 Solution ripples 16, 20, 118, 383, 397
 Solution runnels (see rinnenkarren) 15, 16, 20, 141, 211+
 Spallation 259
 Specific dissolution 238
 Specific karren solution 67, 67, 68, 69
 Spike karren 223
 Spires 430
 Spitzkarren 16, 18, 21, 250, 382-4, 388, 396, 400, 401, 407, 423, 431
 Splitkarren 402, 408, 491, 493-4
 Spongework 109, 454
 Stack 253, 260
 Staircase Schichttreppenkarst (staircase karren) 295, 298
 Stem-flow 518, 519
 Step karren (trittkarren) 151
 Step pools (hydroaeolian) 344
 Step rinnenkarren 213, 214
 Step trittkarren 152, 153
 Step-like karren (hydroaeolian) 333, 334, 335, 336, 344
 Stone city (see also ruiniform, rock city) 404
 Stone forest (shilin) 15, 16, 117, 423, 431, 437, 439-52, 453-59, 528
 Stone teeth (dragon teeth, pinnacles) 418, 439+, 452, 453+, 456, 458
 Stromatolite domes 404
 Strugas 100
 Subcutaneous / subsoil – are grouped under subsoil
 Subglacial erosion 312
 Subjacent karst 457, 458, 459
 Subkutane karren (see subsoil) 103
 Subsoil anastomoses 130
 Subsoil bogaz 103, 110, 117
 Subsoil channels 104, 110, 115, 124, 126+, 126, 127, 128, 129, 130, 449
 Subsoil conduits 454+
 Subsoil cups 124, 125, 133, 134, 442, 446, 449
 Subsoil flutes 124
 Subsoil furrows 454+
 Subsoil grikes (see cutters)
 Subsoil half-bells 104, 110, 111, 112, 124, 136, 136, 451
 Subsoil holes 454+

Subsoil hollows 16, **21**
 Subsoil kamenitzas 124
 Subsoil karren / karst 16, **21**, 22, 48, 49, 75,
103-21, 110(terms), 124(terms), **123-37**, 374,
 387, 389, 399, 439+, 453+, 458, 514, 529
 Subsoil notch / nitch 49, 103, 104, *110*, 111, *112*,
124 131, 133, 134, 442, 445
 Subsoil pans 113, 124
 Subsoil pendants 133
 Subsoil pinnacles 23, *110*, 104, 116-7, 407
 Subsoil pipes **21**, 399
 Subsoil pitting 175
 Subsoil recesses *110*, 113
 Subsoil rock forms **123-37**
 Subsoil runnels/channels 52, 114, 115, 126+, 128,
 442
 Subsoil scallops 48, 104, *110*, *124*, 131, *131*, 132,
 446, 449
 Subsoil shaft *112*, 126, 113, 407, 513
 Subsoil smooth surfaces **21**, 110, *118*, *119*, 137
 Subsoil solution pits 112
 Subsoil teeth 132
 Subsoil terminology **103-4**, 110, 112, **123-4**
 Subsoil tubes 16, **21**, 49, 103, *110*, 110, *113?*,
134, *135*, 443, 448, 452, 493
 Subsoil wells 104, *110*, 126
 Swamp slot / undercut 103, 135
 Sword-shaped karren (hydroaeolian) 341-2
 Syngenetic karst 513, 523

T

Tafoni 85, 86, *107*, 249, 264, 496
 Teeth, subsoil 132
 Temperate coasts 257+, 261
 Terrace-like ripples (hydroaeolian) **333**, 334
 Terraces (rinnenkarren) 214, 219
 Tetrahedron karren 153
 Tinajitas (kamenitza) 140
 Tower 93, 287, 393, 394, 401, 416, *419*, 447
 Tower karst 394
 Trichterkarren (funnel karren) 16, *18*, **21**, 65, 151,
156
 Trittkarren (heel-steps) 16, *17*, **20**, 65, 67, 69,
151-59, 167, 294, *315*, 317-22, 320, *321*, 322,
 333, 334, 335, 381
 Tropical coasts 254+, 261
 Trottoir (rampart) 254
 True meanderkarren 224, 224, 225
 Trümmerkarren 309
 Tsingy (see also pinnacle karrenfields) **411-422**,
 431, 437, 453
 Tube karren (Rohrenkarren) 260
 Tubes, subsoil 16, **21**, 49, 103, *110*, 110, *113?*,
134, *135*, 443, 448, 452, 493
 Tubular pits (Rohrenkarren) 260
 Type I, II, III channels (rinnenkarren) 213, 214+,
215, *216*

U

Undercut notches 135
 Undercut runnels (hohlkarren) 16, **21**, 103
 Unroofed cave 403, 471
 Urine, wallaby 42, 43, 398
 Uvala trittkarren 151, *152*, 159

V

V-notch (splitkarren) 406
 Vaschette di corrosione (kamenitza) 140
 Visor 251, 257

W

Wall karren (wandkarren) 16, **20**, 294, 316, 317-
 22, 366
 Wall solutional runnels (wandkarren) 237
 Wallaby urine 42, 43, 398, 399
 Wandkarren (wall karren) 15, 16, **20**, *153*, 211,
237-48, 294, *316*, 317-22, 366 381, 382?, 393,
 396, 401, *402*, *413?*, 426?, 430?(runnels),
 435?(gutters)
 Wandkarren, cavernous 241
 Wandkarren, complex 241, 242
 Wandkarren, giant 331, 335
 Wandkarren, grike-like 241, 242
 Wandkarren, half-pipe 241, 243
 Wandkarren, subsoil / covered 242, 243
 Wave-length (meander karren) 229, 229
 Wave-like ripples (hydroaeolian) **333**, 333, 336
 Wayboard clays (paleokarst) 269+, 270
 Weathering crust (gypsum) 531
 Wedges, hydroaeolian 337, **338**, 339
 Well, karst (see also karren wells) 69, *112*, *315*
 Wells, subsoil 104, *110*, 126
 Wind 85-6
 Wind (hydroaeolian) 329-48