

Content

Foreword.....	9
Preface.....	11
List of selected, summary works on stratigraphy.....	12
Introduction.....	13
Stratigraphic classification of igneous rocks.....	14
Principles of geological letter symbols.....	16
METAMORPHICS (Eds: KIRÁLY, E., KOROKNAI, B., M. TÓTH, T.)	17
Introduction	18
Metamorphics (chart)	19
Metamorphic units	20
Alcapa Megaunit (chart)	21
Lithostratigraphic units of the Alcapa Megaunit	22
Fertőrákos Metamorphic Complex, ${}^f C_1 - P_1$	23
Sopron Metamorphic Complex, ${}^s C_1 - K_2$	24
Bajánsenye Metamorphic Complex, ${}^{BA} K_2 - Pc$	25
Garabonc Micaschist, ${}^{(G)} Pz_2 - Pg$	26
Ipoly Metamorphic Complex, ${}^i K$	27
Vilyvitány Metamorphic Complex, ${}^v C_1$	28
"Susá metamorphic rocks", ${}^{(SU)} Pz_2 - K$	28
Tisza Megaunit (chart)	29
Lithostratigraphic units of the Tisza Megaunit	30
Babócsa Metamorphic Complex, ${}^{BB} C_1$	31
Baksa Metamorphic Complex, ${}^{BA} C_2$	32
Tázlár Phyllite, ${}^{(T)} Pz_2 - K$	33
Álmosd Micaschist, ${}^{(A)} Pz_2 - K$	33
Jánoshalma Orthogneiss Complex, ${}^j C_1 - P_1$	33
Mezősas Paragneiss Complex, ${}^{MS} C_1 - P_2$	34
Kelebia Micaschist, ${}^{(K)} Pz_2 - K$	35
Maros Metamorphic Complex, ${}^M Pz_2 - K$	35
Pusztaföldvár Micaschist Complex, ${}^P C$	36
Szeghalom Amphibolite Complex, ${}^{SZ} C_1 - P_1$	37
Sarkadkeresztúr Metamorphic Complex, ${}^{SK} C_2$	37
Tisza Paragneiss Complex, ${}^{T} C_2 - K_2$	38
Dorozsma Dolomarlite, ${}^{(D)} K$	39
References	40
PALEOZOIC (Eds: BUDAI, T., HALÁSZ, A., LUKÁCS, R., KIRÁLY, E., KOROKNAI, B., LESS, Gy., VARGA, A.)	43
Introduction	44
LOWER PALEOZOIC	45
Lower Paleozoic (chart)	47
Lower Paleozoic formations	48
Alcapa Megaunit (chart)	49
Lithostratigraphic units of the Alcapa Megaunit	50
Mihályi Phyllite Formation, ${}^{m^h} O - D$	51
Bük Formation, ${}^b D$	51
Balatonfőkajár Quartz Phyllite Formation, ${}^b O - S$	52
Lovas Slate Formation, ${}^l O - D$	52
Nemeskolta Formation, ${}^n O - D$	53
Alsóörs Metarhyolite Formation, ${}^a O_3$	54
Litér Metabasalt Formation, ${}^l S$	54
Révfülpöc Meta-andesite Formation, ${}^r S$	55
Bencehegy Microgabbro, ${}^{(B)} S$	55
Kékkút Limestone Formation, ${}^k D_1$	56
Úrhida Limestone Formation, ${}^u D_{1-3}$	56
Polgárdi Limestone Formation, ${}^p D_2$	57
Füzérkajata Metatuffite Formation, ${}^f O_3$	58
Mid-Hungarian Megaunit (chart)	59
Lithostratigraphic units of the Mid-Hungarian Megaunit	60

Tapolcsány Formation, 'O ₃ -D ₁	61
Irota Formation, 'S-D ₁	62
Strázsahegy Formation, ^d D ₁₋₂	62
Uppony Limestone Formation, ^u D ₂₋₃	63
Szendrőlád Limestone Formation, ^s D ₂₋₃	63
Rakaca Marble Formation, ^r D ₂₋₃	64
Abod Formation, ^a D ₃	65
Tisza Megaunit (chart).....	67
Lithostratigraphic units of the Tisza Megaunit.....	68
Ófalu Metamorphic Complex, ^o Pz ₁	69
Bátaapáti Metasandstone Formation, ^b Pz ₁	70
Szalatnak Slate Formation, 'S.....	71
UPPER PALEOZOIC.....	73
Upper Paleozoic(chart).....	75
Upper Paleozoic formations.....	76
Alcapa Megaunit (chart).....	77
Lithostratigraphic units of the Alcapa Megaunit.....	78
Szabadbattyán Limestone Formation, 'C ₁	79
Füle Conglomerate Formation, 'C ₂	79
Velence Granite Complex, ^v P ₁	80
Felsősomlyó Rhyolite Formation, ^f P ₁	81
Gárdony Granodiorite, ^(G) P ₁₋₂	81
Balatonfelvidék Sandstone Formation, ^b P ₂₋₃	82
Tabajd Anhydrite Formation, ^t P ₂₋₃	83
Dinnyés Dolomite Formation, ^d P ₃	83
Perkupa Anhydrite Formation, ^p P ₃ -T ₁	84
Nagytoronya Formation, ⁿ C ₂	85
Kistoronya Sandstone Formation, ^k C ₂	85
Kásó Formation, ^k P ₁	86
Kisbári Formation, ^k P ₂₋₃	86
Mid-Hungarian Megaunit (chart).....	87
Lithostratigraphic units of the Mid-Hungarian Megaunit.....	88
Tornyiszentmiklós Slate Formation, ^t C ₂	89
Trogkofel Formation, 'P ₁	89
Gröden Sandstone Formation, ^g P ₂₋₃	90
Semjénháza Formation, ^s P ₃	90
Tab Dolomite Formation, ^t P ₃	91
Dedevár Limestone Formation, ^d C ₁	92
Lázbérc Formation, 'C ₁	92
Éleskő Formation, 'C.....	93
Verebeshegy Limestone Formation, 'C ₁	93
Szendrő Phyllite Formation, ^s C.....	94
Zobóhegyese Formation, 'C ₂	95
Szilvásvárad Formation, 'C ₂	95
Mályinka Formation, ^m C ₂	96
Szentlélek Formation, 'P ₂	97
Nagyvisnyó Limestone Formation, ⁿ P ₃	97
Tisza Megaunit (chart).....	99
Lithostratigraphic units of the Tisza Megaunit.....	100
Mórág Metagranite Complex, ^m C ₁	101
Szalatnak Syenite, ^(SZ) C ₁	102
Téseny Sandstone Formation, 'C ₂	102
Túrony Formation, ^t C ₂ -P ₁	103
Nagykőrös Sandstone Formation, ⁿ C ₂	104
Korpád Sandstone Formation, ^k P ₁₋₂	104
Gyűrűfű Lapilli Tuff Formation, ^g P ₂	105
Cserdi Formation, 'P ₂	106
Boda Claystone Formation, ^b P ₂	106
Kővágószőlős Sandstone Formation, ^k P ₃ -T ₁	107
Begykút Conglobreccia Formation, ^b P ₁ -T ₁	108
Battonya Granite Complex, ^b C ₁	109
References.....	110

MESOZOIC (Eds: BUDAI, T., LUKÁCS, R., KONRÁD, Gy., LESS, Gy., LANTOS, Z., RAUCSIK, B.)	113
Introduction	114
TRIASSIC	115
Triassic (chart)	116
Triassic formations	118
Transdanubian Range Unit (chart)	119
Lithostratigraphic units of the Transdanubian Range Unit	120
Alcsútdoboz Limestone Formation, ^a T ₁	121
Arács Marl Formation, ^a T ₁	121
Köveskál Dolomite Formation, ^{kk} T ₁	122
Hidegkút Formation, ^h T ₁	122
Csopak Marl Formation, ^c T ₁	123
Aszófő Dolomite Formation, ^a T ₂	123
Iszkahegy Limestone Formation, ⁱ T ₂	124
Megyehegy Dolomite Formation, ^{mh} T ₂	124
Tagyon Formation, ^t T ₂	125
Felsőörs Limestone Formation, ^f T ₂	125
Vászoly Formation, ^v T ₂	126
Buchenstein Formation, ^b T ₂	127
Budaörs Dolomite Formation, ^{bo} T ₂	128
Füred Limestone Formation, ^f T ₂₋₃	128
Tilospuszta Andesite, ^o T ₂₋₃	129
Inota Formation, ⁱ T ₂₋₃	129
Veszprém Marl Formation, ^v T ₃	130
Csákberény Formation, ^{cb} T ₃	130
Gémhegy Dolomite Formation, ^g T ₃	131
Ederics Formation, ^e T ₃	131
Sándorhegy Formation, ^s T ₃	132
Földolomít Formation, ^f T ₃	132
Feketehegy Formation, ^f T ₃	133
Rezi Dolomite Formation, ^r T ₃	134
Kössen Formation, ^k T ₃	135
Mátyáshegy Formation, ^m T ₃	136
Dachstein Limestone Formation, ^d T ₃	136
Csővár Limestone Formation, ^c T ₃ -J ₁	138
Mid-Transdanubian Unit (chart)	139
Lithostratigraphic units of the Mid-Transdanubian Unit	140
Buzsák Formation, ^b T ₁	141
Táska Limestone Formation, ^t T ₂	141
Murakeresztúr Tuffsandstone Formation, ^m T ₂	142
Som Limestone Formation, ^s T ₂₋₃	142
Iharosberény Limestone Formation, ^{ib} T ₂₋₃	143
Sávoly Limestone Formation, ^s T ₂₋₃	143
Újudvar Marl Formation, ^u T ₃	144
Igal Formation, ⁱ T ₃	144
Bükk Unit (chart)	145
Lithostratigraphic units of the Bükk Unit	146
Gerennavár Limestone Formation, ^g T ₁	147
Ablakoskővölgy Formation, ^a T ₁	147
Hámor Formation, ^h T ₂	148
Bagolyhegy Metarhyolite Formation, ^{bh} T ₂	149
Sebesvíz Conglomerate Formation, ^s T ₂	150
Szentistvánhegy Metavolcanic Rock Formation, ^{sh} T ₂	150
Várhegy Formation, ^v T ₂	151
Bükkfennsík Limestone Formation, ^{bf} T ₂₋₃	152
Vesszős Formation, ^v T ₃	153
Szinva Metabasalt Formation, ^s T ₃	153
Hegyesető Formation, ^h T ₃	154
Répáshuta Limestone Formation, ^r T ₃	155
Felsőtárkány Limestone Formation, ^f T ₃	156
Aggtelek-Rudabánya Unit, Zemplén Unit (chart)	157
Lithostratigraphic units of the Aggtelek-Rudabánya and Zemplén Units	158

Bódvászilás Sandstone Formation, ^b T ₁	159
Szin Marl Formation, ^s T ₁	159
Szinpetri Limestone Formation, ^s T ₁	160
Gutenstein Formation, ^g T ₂	160
Steinalm Limestone Formation, ^s T ₂	161
Schreyeralm Limestone Formation, ^s T ₂	162
Bódvarákó Formation, ^b T ₂	163
Raming Limestone Formation, ^r T ₂	164
Bódvavölgy Ophiolite Complex, ^b T ₂	164
Reifling Limestone Formation, ^r T ₂	165
Dunnatető Limestone Formation, ^d T ₂₋₃	165
Bódvalenke Limestone Formation, ^b T ₂₋₃	166
Szárhegy Radiolarite Formation, ^s T ₂₋₃	166
Wetterstein Limestone Formation, ^w T ₂₋₃	167
Szőlősárdó Marl Formation, ^s T ₃	168
Pötschen Limestone Formation, ^p T ₃	168
Hallstatt Limestone Formation, ^h T ₃	169
Zlambach Marl Formation, ^z T ₃	169
Telekesvölgy Formation, ^t T ₃ -J ₂	170
Brezina Formation, ^b T ₁	171
Ladmóc Formation, ^l T ₂	171
Dachstein Limestone Formation, ^d T ₃	171
Mecsek Unit, Villány-Bihor Unit, Békés-Codru Unit (chart)	173
Lithostratigraphic units of the Mecsek Unit, the Villány-Bihor Unit and the Békés-Codru Unit	174
Jakabhegy Sandstone Formation, ^j T ₁	175
Patacs Siltstone Formation, ^p T ₂	176
Hetvehely Formation, ^h T ₂	176
Véganvár Limestone Formation, ^v T ₂	177
Rókahegy Dolomite Formation, ^r T ₂	177
Lapis Limestone Formation, ^l T ₂	178
Zuhánya Limestone Formation, ^z T ₂	178
Csukma Formation, ^c T ₂₋₃	179
Kantavár Formation, ^k T ₂₋₃	180
Karolinavölgy Sandstone Formation, ^k T ₃	181
Mecsek Coal Formation, ^m T ₃ -J ₁	181
Mészhegy Formation, ^m T ₃	182
Szeged Dolomite Formation, ^s T ₂	183
Csanádapáca Dolomite Formation, ^c T ₂₋₃	183
References	184
JURASSIC	187
Jurassic (chart)	188
Jurassic formations	190
Penninic, Transdanubian Range and Mid-Transdanubian Units (chart)	191
Lithostratigraphic units of the Penninic, the Transdanubian Range and the Mid-Transdanubian Units	192
Kőszeg Metamorphic Complex, ^k J ₁ -K ₂	193
Kardosrét Limestone Formation, ^k J ₁	195
Pisznice Limestone Formation, ^p J ₁	195
Kishát Limestone Formation, ^k J ₁	196
Hierlatz Limestone Formation, ^h J ₁	196
Izstímér Limestone Formation, ⁱ J ₁	197
Tüzkövesárok Limestone Formation, ^t J ₁	198
Úrkút Manganese Ore Formation, ^u J ₁	198
Kisgerecse Marl Formation, ^k J ₁	199
Tölgyhát Limestone Formation, ^t J ₁₋₂	199
Eplény Limestone Formation, ^e J ₁₋₂	200
Lókút Radiolarite Formation, ^l J ₂₋₃	201
Pálihálás Limestone Formation, ^p J ₃	201
Szélhegy Formation, ^s J ₃	202
Szentivánhegy Limestone Formation, ^s J ₃ -K ₁	203
Mogyorósdomb Limestone Formation, ^m J ₃ -K ₁	203
Pátró Formation, ^p J ₂₋₃	204
Bükk Unit, Aggtelek-Rudabánya Unit (chart)	205
Lithostratigraphic units of the Bükk and the Aggtelek-Rudabánya Units	206

Jómarcikó Limestone Formation, 1J_1	207
Bányahegy Radiolarite Formation, bJ_2	207
Lökvölgy Formation, bJ_2	208
Vaskapu Sandstone Formation, $^{ak}J_2$	208
Mónosbél Group, mJ_2	209
Oldalvölgy Formation, $^{o}J_2$	209
Laskóvölgy Formation, lJ_2	210
Bükkzsérc Limestone Formation, $^{bz}J_2$	210
Szarvaskő Complex, sJ_2	211
Darnóhegy Melange Complex, dJ_2	213
Telekesoldal Formation, tJ_2	214
Mecsek Unit, Villány–Bihor Unit, Békés–Codru Unit (chart)	215
Lithostratigraphic units of the Mecsek Unit, the Villány–Bihor Unit and the Békés–Codru Unit	216
Zobápuszta Sandstone Formation, zJ_1	217
Vasas Marl Formation, vJ_1	217
Hosszúhetény Calcareous Marl Formation, $^{hh}J_1$	218
Mecseknádasd Sandstone Formation, $^{m}J_1$	218
Kecskehát Limestone Formation, $^{kh}J_1$	219
Rékavölgy Siltstone Formation, rJ_1	219
Komló Calcareous Marl Formation, $^{km}J_{1-2}$	220
Pusztakisfalu Limestone Formation, $^{pk}J_{1-2}$	220
Óbánya Limestone Formation, oJ_2	221
Fonyászó Limestone Formation, $^fJ_{2-3}$	221
Kisújványa Limestone Formation, $^{k}J_3$	222
Márévár Limestone Formation, $^{m}J_3-K_1$	222
Somssichhegy Limestone Formation, sJ_1	223
Somberek Limestone Formation, $^sJ_{1-2}$	223
Villány Limestone Formation, vJ_2	224
Máriakéménd Formation, $^{m}J_2$	225
Szársomlyó Limestone Formation, sJ_3	225
Pusztaszőlős Marl Formation, $^{ps}J_3-K_1$	226
References	227
CRETACEOUS	229
Cretaceous (chart)	231
Cretaceous formations	232
Transdanubian Range Unit, Mid-Transdanubian Unit and Bükk Unit (chart)	233
Lithostratigraphic units of the Transdanubian Range Unit, the Mid-Transdanubian Unit and the Bükk Unit	234
Bersek Marl Formation, bK_1	235
Lábatlan Sandstone Formation, lK_1	236
Köszörükőbánya Conglomerate Formation, $^{kb}K_1$	236
Vértessomló Siltstone Formation, vK_1	237
Sümeg Marl Formation, sK_1	237
Borzavár Limestone Formation, $^{bv}K_1$	238
Tata Limestone Formation, tK_1	238
Alsópere Bauxite Formation, aK_1	239
Tés Clay Marl Formation, tK_1	239
Környe Limestone Formation, kK_1	240
Zirc Limestone Formation, zK_1	241
Pénzeskút Marl Formation, $^{pk}K_{1-2}$	242
Halimba Bauxite Formation, hK_2	243
Ajka Coal Formation, aK_2	243
Csehbánya Formation, cK_2	244
Jákó Marl Formation, jK_2	244
Polány Marl Formation, $^{p}K_2$	245
Ugod Limestone Formation, uK_2	245
Sukoró Lamprophyre, sK_2	246
Inke Formation, iK_2	247
Gyékényes Siltstone Formation, gK_2	247
Nekézseny Conglomerate Formation, nK_2	248
Mecsek Unit (chart)	249
Lithostratigraphic units of the Mecsek Unit	250
Mecsekjánosi Basalt Complex, mK_1	251
Hidasivölgy Marl Formation, $^{h}K_1$	252

Magyaregregy Conglomerate Formation, ^m K ₁	252
Apátvarasd Limestone Formation, ^a K ₁	253
Vékény Marl Formation, ^v K ₂	253
Gátér Marl Formation, ^g K ₂	254
Szank Conglomerate Formation, ^s K ₂	254
Izsák Marl Formation, ⁱ K ₂	255
Debrecen Formation, ^d K ₂	255
Villány–Bihor Unit, Békés–Codru Unit (chart)	257
Lithostratigraphic units of the Villány–Bihor Unit and the Békés–Codru Unit	258
Hársányhegy Bauxite Formation, ^h K ₁	259
Biharuga Calcareous Marl Formation, ^b K ₁	259
Nagyharsány Limestone Formation, ⁿ K ₁	260
Bisse Marl Formation, ^b K ₁₋₂	261
Bóly Sandstone Formation, ^b K ₂	261
Csikéria Marl Formation, ^c K ₂	262
Körös Formation, ^k K ₂	262
Bácsalmás Formation, ^b K ₂	263
Beremend Lamprophyre, ^b K ₂	263
Ferencszállás Granodiorite Complex, ^f K ₂	264
References	265
INDEX OF THE PRE-CENOZOIC FORMATIONS	267
Photo credits	272
Members of the Hungarian Stratigraphic Committee	273
Affiliations of authors and editors of the book	274