

LIST OF PLATES

<u>Plate No.</u>	<u>Title</u>	<u>Page</u>
III.1	Mullion structures in slates	87
III.2	Conglomerates	90
III.3	Ripple marks in quartzites	92
III.4	Cross bedding in quartzites	93
III.5	Flow fold in slates	98
III.6	Mesoscopic F_3 tight fold in spilitic tuffs and basalts at the vicinity of Phalebas Thrust	102
III.7	Jointing in quartzites	106
III.8	Mesoscopic F_1 isoclinal fold in quartzites	108
III.9	Mesoscopic F_3 open fold in gritty quartzose phyllites	112
III.10	Mesoscopic L_3 kinks in phyllites	113
III.11	Mesoscopic F_4 very open fold in gritty quartzose phyllites	114
III.12	L_1 quartz ribbon lineation in gritty quartzose phyllites	115
VI.1	Photomicrograph showing bimodal clastic quartz grains in massive quartzites	180
VI.2	Photomicrograph showing textural characters of crystalline limestones	182
VI.3	Photomicrograph showing the textural characters of gritty quartzose phyllites	184

<u>Plate No.</u>		<u>Page</u>
VI.4	Photomicrograph showing textural characters of feldspathic graywacke	188
VI.5	Photomicrograph showing the oolitic structure in dolomites	189
VII.1	Photomicrograph of spilitic diabase showing ophitic to sub-ophitic texture	196
VII.2	Photomicrograph of spilitic diabase showing intersertal texture	197
VII.3	Photomicrograph showing textural characters of spilitic basalts	199
VII.4	Photomicrograph of spilitic basalt showing intersertal texture	200
VII.5	Photomicrograph of tuffs showing cherty and chloritic layers	202
VII.6	Photomicrograph of spilitic diabase showing plagioclase with chlorite inclusions	204
VII.7	Photomicrograph showing inclusions of calcite in albite of spilitic basalts	207
VII.8	Photomicrograph of spilitic basalts showing laths of albite in main mass of calcite	208
VIII.1	T ₂ terrace with the eroded karst pillars of gravels, near Chuwa	226
VIII.2	Just exposed rocky bed of the river Kali Gandaki below Jyamir Ghat bridge	230
VIII.3	A view overlooking SW from Ghore Dhunga showing deeply entrenched Lamai Khola cutting the gravels; in the background are seen T ₁ terraces of Phalebas and Thana	232

<u>Plate No.</u>		<u>Page</u>
VIII.4	Showing narrow gorge of Lamai Khola in the gravels NE of Dhumpe Daha	233
VIII.5	Convex crest of hills and moderately gentler dip direction hill slopes of the westerly spur of Gyandikot hill, looking N from Limikot	248
VIII.6	Vertical entrenchment of small tributary forming cliff at the valley section	250
VIII.7	A view of gently sloping T_1 terrace of Balewa (Balewa Air-port), in the background are T_1 and T_2 terraces of Pang and Kusma	252
VIII.8	A view of the vertical cliff of 300 m facing Kali Gandaki looking west from Kusma	253
VIII.9	A block of consolidated unsorted unstratified T_2 gravelly material lying on the flood plain of Kali Gandaki	256
VIII.10	Unconsolidated T_3 gravels at Jyamir Ghat	257
VIII.11	T_1 and T_2 terrace flats of Balewa on the left and T_1 and T_2 flats of Kusma on the right as viewed northward from Phalebas T_2 terrace	263
VIII.12	T_1 and T_2 terrace flats of Balewa looking north of Phalebas T_2 terrace	264
VIII.13	T_3 terrace flat of Jyamir Ghat. In the background are T_1 and T_2 terraces of Balewa, viewed north from T_2 terrace of Phalebas	265
VIII.14	T_3 terrace flat of Jyamir Ghat. In the background is the vertical T_2 cliff of Phalebas facing Kali Gandaki	266

Panaromic view of Kali Gandaki gorge, as viewed
N. from Phalebas (Locality: Jyamir Ghat).