

LIST OF PLATES

	<u>Between pages</u>
1 Physiography of the area.	3-4
2 Photomicrograph of foliated amphibolitic rock.	19-20
3 Photomicrograph of massive amphibolitic rock showing granoblastic texture.	22-23
4A Photomicrograph of streaky amphibolitic rock (dark hornblendic)	25-26
4B Photomicrograph of streaky amphibolitic rock (light coloured quartzo-felspathic).	25-26
5 Photomicrograph of banded-haematite-hornblende-quartz rock.	31-32
6A Photomicrograph of granitic rock showing replacement structure.	33-34
6B Photomicrograph of granitic rock showing parallel orientation of biotite flakes.	33-34
7A Photomicrograph showing replacement of plagioclase by microcline (early stage)	35-36
7B Photomicrograph showing replacement of plagioclase by microcline (late stage).	35-36
8A Photograph showing quartzo-felspathic veins and dykes in granitic rocks.	37-38
8B Photograph of folded quartzo-felspathic vein in granite.	37-38
9A Photograph of pegmatitic vein showing replacement origin.	38-39
9B Photograph of pegmatite in granitic rocks showing 'microcline' ovoids.	38-39

10A	Photograph of pegmatitic vein showing preservation of the earlier foliation.	38-39
10B	Photograph of pegmatite showing its gradual metasomatic growth.	38-39
11A	Photograph of hornblendic matter with quartzo-felspathic core.	39-40
11B	Photograph of hornblendic patch with leucocratic rim.	39-40
12A	Photomicrograph of antiperthitic type structure.	42-43
12B	Photomicrograph of microcline showing microperthitic structure.	42-43
13	Photograph of folded leucocratic vein showing relict amphibolite and metasomatic replacement.	48-49
14	Photograph showing 'in situ' lateritisation	49-50
15A	Photograph of amphibolitic rocks showing two sets of folds.	55-56
15B	Photograph of amphibolitic rock with pods and bands of quartzo-felspathic matter.	55-56
16A	Photograph of streaky amphibolites with quartzo-felspathic veins.	57-58
16B	Photograph of streaky amphibolites showing early minor folds.	57-58
17	Photograph of amphibolitic rock at Aghnashini coast.	60-61
18	Photograph showing metasomatic growth of quartzo-felspathic matter.	63-64
19	Photograph showing 'Ribbon type' lineation in amphibolitic rocks.	69-70

20A	Leucocratic veins and bands in granitic rocks.	71-72
20B	Photograph showing two sets of folding in leucocratic bands.	71-72
21	Photograph showing development of leucocratic vein after late folding.	74-75
22A	Photograph showing refolded folds in leucocratic veins in gneissic granites.	76-77
22B	Photograph showing 'strain-slip' folds in gneisses.	76-77
23	Photograph showing typical 'agmatitic' gneisses.	82-83
24A	Photomicrograph of epidiorite showing unaltered plagioclase.	135-136
24B	Photomicrograph of epidiorite showing alteration of pyroxene and plagioclase.	135-136
25A	Photomicrograph of gabbro showing poikilitic texture.	136-137
25B	Photomicrograph of gabbro showing alteration of minerals.	136-137
26A	Photomicrograph of dolerite showing ophitic texture.	136-137
26B	Photomicrograph of dolerite showing alteration (partly) of minerals.	136-137
27	Photomicrograph of basalt showing equigranular texture.	136-137
