

# INDEX

## Topographical terms are printed in italics

Abinger, Surrey, 83 Afon Daron, Carnarvonshire, 31 Alluvial fan, 21 Angle of slope, 48 Aylesbury, 41

Baroch Fell, 33
Bearing, definition of, 6
laying off a, 6
measurement on map, 7
moving on a compass-, 84
taking a compass-, 81
Bearings, true and magnetic, 81
Bluff, 16, 27
Boothia Island, 80
Brancepeth, 93
Bremontier, 90
Broad, 19
Brow of hill, 14, 15, 17, 26
Burnham Thorpe, 109
Buttress, 15, 16, 27

Cairn, 17 Cairngorm, 17 Cannock Chase, 88 Carn, 17 Carnarvonshire, 27, 28, 31, 92 Carn Bodvean, 17, 28 Carter Fell, 17 Catchment basin, 21, 30 Channel, 21 Chilterns, 18, 41 Chine, 20 Cirque, 21, 31 Col, 17, 33 Colour layering, 107 Compass, deflection of, 86 the magnetic, 79, 85 use of, with map, 84 use of, in fog or darkness, 85 Conical hill, 28
Contour line, 24
Conventional signs, 12, 13, 108
Coomb, 20
Cornwall, 24, 27, 30, 37, 88
Corrie, 21, 31
Crag, 16
Crest, military or apparent, 15
Crest of hill, 14, 16, 17, 26
Cumberland, 33
Curvature of the Earth, effect on map reading, 60, 65
Cwm Glasgwm, Carnaryonshire, 31

Dansbury, Essex, 92
Dead ground, 59
Defile, 18
Delta, 21
Derbyshire, 88
Devonshire, 17, 20
Distance, judging, 5, 78, 102
measurement of, 10, 102
Divide, 23
-don, 17
Downs, the, 88, 93
Dune formation, 90

East Anglia, 91
Escarpment, 18, 32, 41
Estuary, 21
Etherow, the, 94
Exercises on:
Adjustment of true and magnetic bearings, 83
Construction of skyline, 70
Contour reading, 33
Conventional signs, 12
Drawing of imaginary maps, 13, 35, 55
Finding of bearings, 10

#### 116

### INDEX

Exercises on:
General and revisional, 43, 44, 108
Gradients, 49, 51, 54
Intervisibility of points and dead ground, 67
Laying off bearings, 6
Map reading from photographs, 72
Map references, 5
Measurement of distance, 11
Military map reading, 99
Nature of topographical features, 23
Road sections, 57
Scales, 103
Section drawing, 38

F'eatures, artificial, 40, 42 main topographical, 39 recognisable, 77 Fell, 17 Fen, 22 Footbill, 15, 16, 27 Foot of hill, 14, 17, 26

Gap, 18, 41
General Staff map of France, 107
Geology, effect of, on topography, 20, 42, 88, 91
Glacial action, 18, 21, 89
Glen, 20
Godolphin Hill, 37
Goyt, the, 94
Gradient scale, 52, 53, 105
Gradient, significance of, 47
Great Missenden, 41, 42
Grid method of map reference, 5, 97, 98, 99
Gully, 20, 88
Gunwalloc, Cornwall, 30

Hachures, 107
Harrow Hill, 70
Headwaters, 21
Hereford, 90
Hertford, 90
Hill, the, 14, 24, 25, 26, 39
Hill mass, 16
Hill Rigg, 33

Hill shading, 105
Hillock, 16
History, traces of, on the map, 43, 90, 92
Hollow, the, 14, 18
Horizontal equivalent, 48

Ice Ages, 89 Icknield Way, 42 Indication of position, 4

Judging and indication of direction, 5

Kirkoswald, 57, 58 Knoll, 16

Lake, 18
Line scale, 102
'Lining in', 76
Liverpool, 24
Llanberis, 72, 73
Loch, 18
London, 17, 41, 91
Long Down, Cornwall, 27
Longscale Fell, 27
Low, 17

Magnetic bearing, 81 Pole, 80 variation, 81, 83 Maldon, 17 Map, nature of a, 1 Map reading as an Art, 2, 86 example of, 41 practice in, 23, 74, 75 requirements of, 1, 39, 47, 56, 68 Map reference, 4, 5, 97, 98, 99 Maps, dates of publication, 3 foreign, 107, 108 on various scales, uses of, 100, 103 revision of O.S., 2, 3 various kinds of, 2 Marsh, 22 Meander, 21, 30 Mere, 19 Mersey, the, 94



### INDEX

117

Morass, 22 Mortlake, 21, 22, 30 Mountain, 14, 16 Mud flat, 22

Navigation, limit of, 21 Newlyn, 24 Norfolk, 19 North, Magnetic and True, 3, 80

Ordnance Datum, 24 Survey, 2, 24, 100 Ouse, the Yorkshire, 89 Outlier, 18, 32

Pass, 17, 18
Pen-, 17
Pennine Ridge, 57
Pennines, the, 23, 57, 94, 95
Pen y gent, 17
Pinnacle, 16
Place names, origin of, 93
significance of, 42, 43, 90
Plain, 14, 18
Plateau, 14, 18, 39
Pond, 19
Prehistoric man, traces of, on the map, 87, 89, 92
Projection, 1

Range of hills, 17
Ravine, 20
Reduction of areas shown on maps, 1
in map scale, effect of, 103
Re-entrant, 30, 32
Relief, devices for showing, 24, 105, 106, 107
negative, 14, 18, 28
positive, 14, 28
Representative Fraction, 101
Resection, 76
Ridge, the, 14, 17, 33
Ridge-line, 17, 19, 23, 39
Rise, 16
River, the, 21, 88

River capture, 89

River erosion, 20, 88 Rivers as topographical guides, 22 Roads, 18, 40, 56, 57, 58, 90

Saddle, 17, 33 Salient, 30 Sand spit, 22 Scale of distance, 3, 10, 11, 101 horizontal and vertical, 36 true, 36 Scales, gradient, 52, 53 line, 102 special uses of maps on various, 100, 103 'Setting' a map, 75 Severn, the, 89 Shapfell, 17, 95 Sidbury Hill, 92 Skyline, 68, 70, 71 Slopes, effect of further, on intervisibility of points and dead ground, 64 gradient scales of standard, 52, 53 kinds of, 26 standard, 51 Snowdon, 17, 72, 73 Source, 21 Spur, 16, 17, 27, 30, 32 Stevenson, R. L., 87 Summit of hill, 14, 16, 17, 26 Sussex, 91 Swamp, 22

Tarn, 18
Terrace, 18
Thames, the, 89
Topographical evolution, 88, 89, 90
lines, 22, 23
names, local, 17, 18, 19, 20, 21, 41, 90
Topography, effect of geology on, 88
importance in military operations, 15, 18, 40, 59, 96, 97, 98, 99
influence on:
agriculture, 14, 91
density of population, 91
dwelling sites, 15, 18, 21, 41, 42, 90



#### 118

Topography (cont.)
influence on:
human occupation, 91
position of towns, 22, 40, 42
routes, 18, 40, 42
Tor, 17
Town sites, 18, 22, 40, 90, 91
Tregonning Hill, 37
Tributary stream, 21
Trossachs, the, 107
Trwyn Llanbedrog, 27

Valley, the, 14, 19, 28, 39 the U-shaped, 20, 21, 31, 89 the V-shaped, 20, 31, 88 Floor, 19

# INDEX

Valley, hanging, 31 head, 19, 21, 28 line, 19, 21, 22, 28, 39 mouth, 19 Valleys, main and branch, 19 Vertical Interval, 3, 24, 37, 48, 49, 101

Waterparting, 23
Watling Street, 92
Wear Head, 57, 58
Wendover, 42
Windermere, 19

Yorkshire, 91