

	PAGE.
Origin of. 3, 26, 41, 59, 60, 125, 151, 165	39
Periods of deposition of	18, 21
Orford works	18, 21
Origin of cobalt-silver ores	165
<i>Preface.</i> 3, 26, 41, 59, 60, 125, 151, 165	38
Origin of water systems	117
Other Temiskaming cobalt areas...	36
Ottawa river	37
Otter creek	129
Otter lake	1
Palladium, in Sudbury ore	43
Paradis bay	139
Paradis, Father	26
Parallel veins	32
Paris green	136
Parks, W. A.	37
Paulson's bay	49
Pebbles, kinds of, in Huronian.....	124
Pegmatite, diabase	117
Peneplain	25
Penn. Smelting Co.	67, 135
Pense township	135
Rocks of	163
Peridotite	33
Periods of deposition of ores.....	23
Perth Amboy plant	3
Peterson lake	60, 62
Diabase near	46
Lamprophyre dikes near	105
Peterson Lake mine	159
Phillips' "Ore Deposits," notes	45
from	45, 47
Pickrel lake	154
Keewatin	164
Pie island, ores of	166
Pigments, cobalt	129
Pibnamo, Mex., cobalt at	5, 158, 198
Pike lake	16, 21, 32
Pitcheblende	168, 170
Plants for cobalt-arsenic ore	32
Illustrations of	1
Plate glass, arsenic in	42
Platinum, in Sudbury ores	149
Pleistocene	158
Point Fine	155
Polybasite	49
Porcupine silver mine	49
Porphyries	49
Keewatin	52, 53
Porphyritic rocks	75
Porphyritic texture in lamprophyre	158
Porphyry	65
At Wright mine	45, 149, 158
Porphyry dikes	18, 150
Port Arthur silver mines	40
Diabase near	28
District of	30
Portage bay, veins near	63
Diabase	129
Portage lake	165
Port Macquarrie, N. S. W., cobalt	38
deposits near	43, 59
Post-Glacial faults	7
Post-Middle Huronian diabase	42
Pottery, cobalt in	26
Pre-Cambrian series	
Precipitation of ores	

	PAGE.
Prefaces to 2nd and 3rd editions...ix-xvi	13, 15
Prices of cobalt, nickel, arsenic...	24
Prices of silver, annual average ...	20
Prices paid for ores	164
Pottery	20
Princess mine	157
Prince's silver mine	157
Cobalt at	15
Production of ore	41
Productive areas	41
Character of	4, 5, 158
Proustite	105
Provincial mine	164
Prussia	46, 48
Pseudo-conglomerate of Keewatin	32
Pyrite at Temagami	1, 155, 158
Pyrites	4, 6, 14, 158
Pyrargyrite	7
Crystals of	57, 58
Pyroclastic material	1, 163
Pyroxene	54
Analysis of	49
Pyroxenite, Keewatin	3, 151, 157
Pyrrhotite	44, 60, 63
Quartz diabase	122
Of Montreal river area	47
Quartz grains, rounded in granite	6, 12
Quartz in Cobalt ore	41
Quartz, primary	143
Quartzite	42, 43
Huronian	125
Maple mountain	118, 143
Of Montreal river area	158
Quartz porphyry	
See porphyry.	43
Quinze or Moose river	
Rabbit lake	30, 41, 67
Analysis of ore from	30
Gold and cobalt ore on	30
Rabbit Mountain silver mines	155
Radium	5
Recomposed greenstone	42
Red Rock mine	20, 29
Refining Cobalt ores	21, 22, 23, 167, 170
Regional disturbances	35
Map of	37
Reverse fault	38
Rib lake	37
Richness of Cobalt ores	25
Rickard, T. A.	160
Rittengerite	158
Rhodochrosite	152
Rhombic dodecahedron	12
Right of Way mine	18, 107
R L 404 silver-cobalt mine	10, 42
Cobalt Hill vein	10, 15
Exhibits of ore from	14
See also Cobalt Hill and Little	
Silver mines.	
R L 403, diabase on	63
R L 405	149
Rochester Cobalt mine	108
Rocks of cobalt-silver area	42, etc.
Ages of	47
Breccia, analysis of	58
Cross lake rocks, analyses of ...	64