

**A CATALOGUE OF MINERALS,  
ROCKS, AND FOSSILS WHICH HAVE  
BEEN COLLECTED IN THE COLONY  
BY THE MINING DEPARTMENT,  
MELBOURNE, VICTORIA, PP.1-106**

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**VARIOUS**

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1861 No. 1300

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## NOTE.

In order that the Mineral Resources of the Colony may be illustrated as completely as under present circumstances is possible, at the forthcoming Intercolonial Exhibition, the Minerals and Rocks which have been presented from time to time to this Department by Prospectors, Miners, Mining Surveyors, and others, have been carefully arranged, and labelled and numbered.

With this Catalogue in his hand, anyone may easily find the Specimen he seeks ; but it is to be understood that no attempt has been made to classify the Minerals and Rocks. As valuable additions are made every day, it would be premature to do this ; and no good purpose, at this stage, would be served by it.

The Specimens of Quartz, showing the character of the Reefs throughout the country, are very valuable and interesting ; and, when the Collection is complete, the Mineralogist will be in a good position to compare and contrast the several kinds of gold-bearing quartz, and to arrive at safe conclusions regarding them. As much as hand specimens can teach, he will be able to learn.

The thanks of the Department are due to those gentlemen named in the Catalogue, who have freely given their time and labor to the work of collecting specimens.

R. BROUGH SMYTH,  
*Secretary for Mines.*

Office of Mines,  
Melbourne, Victoria, 5th September, 1866.



## MINERALS, ROCKS, AND FOSSILS.

1. **Thirty-three Specimens**, consisting of *Zeolites, Basalt, Volcanic products, Mud Stones, &c.*, illustrative of the gold-workings in the SMYTHESDALE DIVISION.—John Lynch, Mining Surveyor, Ballarat.
2. **Iron Pyrites**.—*Sulphide of Iron*.—EMERALD DISTRICT, DANDENONG RANGES.—J. D. Anderson, Melbourne.
3. **Sulphide of Antimony**.—ANDERSON'S CREEK.
4. **Molybdenite**.—*Sulphide of Molybdenum*, in QUARTZ VEIN in GRANITE.—KINCHINGTON CREEK.—Thomas G. Kennan, Mining Surveyor, Yackandandah.
5. **Red Granite**.—GABO ISLAND.
6. **Silicified Wood**.—BULLA-BULLA CREEK.—Walter Bell, Melbourne.
7. **Module of Iron Pyrites**, with SULPHATE OF LIME.—BACCHUS MARSH.—J. Matson, Secretary Board of Agriculture.
8. **Three Specimens, Clay Ironstone**.—CAPE PATERSON COAL FIELD.—Henry Smith, Mining Surveyor.
9. **Sandstone**, with QUARTZ VEINS.—Taken 330 feet from the surface of BALACLAVA HILL, WHROO; some of it yielded 30 ozs. of gold per ton.
10. **Sulphide of Antimony**, containing GOLD.—MURRAY'S REEF, COSTERFIELD, HEATHCOTE. Two specimens.
11. **Sulphate of Lime**.—GYPSUM MOUND, near SHAMROCK POOL, SOUTH AUSTRALIA.—C. W. Ligar, Surveyor-General.
12. **Carbonate and Oxide of Copper**.—WARBURTON'S CREEK, SOUTH AUSTRALIA.—C. W. Ligar, Surveyor-General.
13. **Carbonate and Red Oxide of Copper**.—KAPUNDA, near auriferous rocks.—C. W. Ligar, Surveyor-General.



14. **Carbonates and Oxides of Copper.**—RIVER THOMSON, GIPPS LAND (No. 1). This is from a lode 4 feet wide, and a few inches below the surface.

15. **Sulphide of Copper.**—RIVER THOMSON, GIPPS LAND (No. 2). This ore was taken from the same lode as specimen No. 1, but at a depth of about 15 feet from the surface.

16. **Sulphide of Iron.**—FRENCHMAN'S REEF, QUEENSTOWN.—T. W. Soady.

17. **Quartz Crystal.**—FRYER'S CREEK, CASTLEMARINE DISTRICT.

18. **Wood Coal.**—COLERAINE, DUNDAS.

19. **Roofing Slate, with GRAPTOLITES.**—DAYLESFORD.—A. Johnson.

20. **Quartz.**—EGERTON GOLD MINING COMPANY'S CLAIM, GORDON.—Thomas Cowan, Mining Surveyor, Gordon Sub-division, Ballarat Mining District.

21. **Quartz.**—EGERTON GOLD MINING COMPANY'S CLAIM, GORDON.—Thomas Cowan, Mining Surveyor, Gordon Sub-division, Ballarat Mining District. This quartz has been burnt, in consequence of the timber used in the workings of the claim taking fire.

22. **Cement.**—*Peroxide of Iron and Silica.*—FOURTH HILL, ANDERSON'S CREEK.—Henry Frencham. A series of specimens showing the alluvions of this portion of the district.

23. **Coal.**—DUNDAS.

24. **Hydrated Peroxide of Iron.**—MAJOR'S HILL, BENALLA.—H. B. Nicholas, Mining Surveyor, Rushworth.

25. **Tourmaline.**—*Black Schork.*—MOUNT SINGAPORE, CORNER INLET.—Lieut. Arthur Morrison, Mount Singapore Station.

26. **Bituminous Shale.**—Said to be found in large quantities in the bed of a creek, running into the RIVER LATROBE, about five miles from that river, and about eighteen miles north of Jackson's public-house (on the Tarwin).—John Ed. Sage.

27. **Black Sand, Auriferous.**—Near BERWICK, GIPPS LAND.—Mrs. John Bowman.

28. **Black Tourmalines.**—*Schorl.*—Near BERWICK, GIPPS LAND.—Mrs. John Bowman.
29. **Zircons.**—Near BERWICK.—Mrs. John Bowman.
30. **Tourmaline.**—Near BERWICK.—Mrs. John Bowman.
31. **Blue Sapphires.**—Near BERWICK.—Mrs. John Bowman.
32. **Gypsum.**—*Lenticular Crystals, Sulphate of Lime.*—BEACH, GEELONG, near LIME KILNS, BOTANIC GARDENS.—Arthur Everett, Mining Department.
33. **Limestone.**—MAJOR'S RANGES, BENALLA STATION, BROKEN RIVER.—H. B. Nicholas, Mining Surveyor, Rushworth.
34. **Tin.**—From sand found at REED'S CREEK, BEECHWORTH.—John Usher, Jun., Mining Surveyor.
35. **Granite.**—NEW SOUTH WALES.—W. S. Gould.—Specimens from various localities.
36. **Copper Pyrites.**—*Sulphide of Copper, with Sulphide of Lead, and QUARTZ.*—SOUTH AUSTRALIA.—W. S. Gould.
37. **Copper Ores.**—ICELEY COPPER MINES, BATHURST, NEW SOUTH WALES.—Captain J. A. Layard.—Consisting of *Black and Red Oxides, Green and Blue Carbonates, Sulphides, &c.*
38. **Molybdenite.**—*Sulphide of Molybdenum, with MICA and QUARTZ.*—LATROBE RIVER.—Chief Commissioner of Police.
39. **Peroxide of Tin and Metallic Tin.**—From the LATROBE RIVER, BUNGELONG COMPANY.—Frederick Harding.
40. **Stibnite.**—*Sulphide of Antimony.*—HEATHCOTE.—B. W. Walsh.
41. **Stibnite, with OXIDE OF ANTIMONY.**—HEATHCOTE.—B. W. Walsh.
42. **Stibnite, with OXIDE OF ANTIMONY.**—HEATHCOTE.—B. W. Walsh.
43. **Stibnite, with OXIDE OF ANTIMONY, QUARTZ, and a little GOLD.**—REED'S CREEK, YOW-YOW, CALEDONIA GOLD FIELD.
44. **Stibnite, or Sulphide of Antimony.**—COSTERFIELD, HEATHCOTE.—Edwin Field.
45. **Lignite, with QUARTZ PEBBLES.**—From the LIGNITE COMPANY'S WORKS, CORDUROY.—R. Watson, C.E.

46. **Lignite**, with FOSSIL RESIN.—CORDUROY.—R. Watson, C.E.
47. **Carboniferous Sandstone**.—LATROBE RIVER.—Chief Commissioner of Police.
48. **Coal**.—TRARALGON, GLENGARRY RIVER.—John Usher, Jun.
49. **Coal**.—LATROBE RIVER.—Chief Commissioner of Police.
50. **Green Coccolite**.—LAKE GNOTUE, near CAMPERDOWN.—R. Brough Smyth.
51. **Galena and Munding**.—MORSE'S CREEK.—Patrick O'Neil. The galena contains 29 ozs. 6 dwts. of silver per ton; the munding, 2 ozs. 8 dwts. 16 grs. gold per ton.
52. **Epidote**.—*Pistacite*.—SNOWY BLUFF, near the junction of the MOROKA and WONNANGATTA RIVERS.—W. Pearson, M.P.
53. **Slate**, with CUBIC PYRITES.—SANDHURST.—G. Avery Fletcher, Town Clerk.
54. **Stibnite**.—*Sulphide of Antimony*, and QUARTZ.—McIVOR.—Mr. Day, Footscray.
55. **Munding**.—*Sulphide of Iron*.—BAW-BAW.—J. Wilkinson, Melbourne.
56. **Quartz**, with IRON PYRITES.—COLIBAN RIVER.—James Edwards, McIvor.
57. **Stibnite**.—*Sulphide of Antimony*, with *Oxide of Antimony*.—REED'S REEF, YOW-YOW, CALEDONIA GOLD FIELD.
58. **Quartz**, with IRON PYRITES.—KINGOWER.
59. **Quartz**, with IRIDESCENCE.—COLUMBIAN REEF, MARYBOROUGH.
60. **Sapphires and Zircons**.—CASTLEMAINE.
61. **Gems**.—From the junction of the BOUNDARY CREEK with the LODDON, parish of Holcombe.—R. L. M. Kitto, M.E., Mining Surveyor, Fryers Creek. Consisting of blue sapphires, zircons, &c., &c.
62. **Munding**.—*Sulphide of Iron*.—BET-BET REEF, DUNGOLLY.—R. Schlesinger.
63. **Sapphires**.—CORUNDUM, &c.—BLUE MOUNTAIN.—J. P. Main.