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Legend:	a	Mineral analysis
	D	Discredited species/occurrence
	EDS	Energy dispersive spectrum
	F (f)	Figure/photograph
	LRS	Laser Raman spectroscopy
	W	Listed in - What's New in Minerals
	XRD	X-ray powder diffraction data

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Pering mine, Kuruman 2(2):79W
Riemvasmaak, Northern Cape Province 13(1):47
Vergenoeg fluorite mine, Rust-de-Winter district 11(1):41W; 14(1):46
Wessels mine, Kalahari manganese field 2(1):32W; 3(2):127W; 5(2):91-92W; 7(1):41W; 8(1):42

Spain:

Eureka mine, Catalonia 20(1):60f
Mina Nueva Vizcaya, Burguillos del Cerro, Bodajoz 3(2):130W

Sweden:

Långban 1(2):4
Ytterby 16(1):7

Switzerland:

Disentis, Grisons 3(2):130W
La Creusaz uranium prospect near Les Marécottes, Valais 16(1):48
Simplon Pass 1(2):31W
St Gotthard 16(2):60f

Tibet:

11(1):38-39W

United States of America:

Arizona:

79 mine 1(2):30W
Christmas mine, Gila County 21(1):48f
Cliff Dwellers Lodge 20(1):60f, 61f
Grandview mine 14(2):51-54
Mammoth-St Anthony mine, Tiger 7(2):46
Pusch Ridge, Santa Catalina Mountains 20(1):60f
Rowley mine 20(1):60f, 61f

California:

Blue Bell claims, San Bernardino County 3(2):130W
Champion mine, Inyo County 21(1):49f
Clear Creek claim, New Idria, San Benito County 3(2):130W
Commercial quarry, Crestmore, Riverside County 4(1):42W

Eagles Nest mine 1(2):30W
New Method mine, San Bernadino County 21(1):50f
Numero Uno mine, New Idria, San Benito County 3(2):131W
Picacho mine, New Idria, San Benito County 3(2):131W
Queen mine, Pala 6(2):56
Stewart Dyke, San Diego County 11(1):5
Wet Weather quarry, Crestmore, Riverside County 4(1):42W

Colorado:

Burro mine 20(1):60f
Calumet mine, Salida 1(2):30W
Pike's Peak 17(2):81f
Silverton 6(2):81

Idaho:

Bunker Hill, Kellogg 1(1):34W; 1(2):31W; 16(1):42
Jersey Vein, Bunker Hill mine, Kellogg, Shoshone County 7(2):87

Illinois:

Sparta 9(1):7

Michigan:

Lake Superior 17(2):81f

Missouri:

Joplin 17(2):80f

Nevada:

Getchell mine, Humboldt County 2(2):78W
Gold Quarry mine, Eureka County 2(2):78W
Mujuba Hill mine, Pershing County 21(1):48f
Meikle mine, Eureka County 2(2):78W
Silver Coin mine, Humboldt County 2(2):78W
Snowstorm mine, Battle Mountain 2(2):78W
Twin Trees mine, Valmy, Humboldt County 2(2):78W

New Jersey:

Bergen Hill 16(1):12
Franklin 16(2):61f
Monmouth County 16(2):69-76

Oklahoma:

Great Salt Plain near Jet, Alfalfa County 11(1):37

Oregon:

Neer Road pit, Goble 11(1):13; 19(2):15

South Dakota:

White Cap mine 16(2): 77f

Utah:

Markey mine 20(1):60f, 61f

Vietnam

Khe Khi, An Phú village, Luc Yen 21(2):82f

Wales:

Dolyhir quarry, Powys 11(1):23
Machen quarry 1(1):31W
Penrhiw mine 1(1):31W
Pwll Du beach, near Swansea 11(1):22
Wedding Cave mine, Minera 1(1):31W

Worldwide:

The Carbon Mineral Challenge 20(1):55-63

Zaire:

2(1):32W; 7(1):21

Mashamba 1(2):31W

Zambia:

11(1):39-41W

Zimbabwe:

St Ann's mine 11(1):39,40W

MINERALS:

Abellaite

Eureka mine, Catalonia, Spain 20(1):60f

Acanthite

Almanda mine, Cherry Gardens, South Australia 18(1):54, 55f

Boorook mines, near Drake, New South Wales 4(2):114

Kongsberg, Norway 6(2):55f

Magnet mine, Tasmania 1(1):9; 5(2):87W

Mount Lyell mines, Tasmania 21(2):21, 30f

Moxom Well, Braeside lead field, Pilbara, Western Australia 13(2):57

Shangri La mine, Kimberley, Western Australia 16(1):18,19SEM

Actinolite

Attunga, near Tamworth, New South Wales 4(2):99

Actinolite *variety nephrite*

Tamworth area, New South Wales 4(2):121

Adamite

21(1):65f

Mt Malvern mine near Clarendon, South Australia 5(1):5

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Adamite-olivenite

Block 14 opencut, Broken Hill, New South Wales 3(1):54

Kintore opencut, Broken Hill, New South Wales 3(1):54, 57f, 60f, 64f

Puttapa mine, Beltana, South Australia 11(1):14f, 21f

Aegirine

Opo Bay, Mayor (Tuhua) Island, New Zealand 8(1):41W

Waitakere Ranges, North Island, New Zealand 19(2):22

Woods mine, New South Wales 15:15-18af

Zomba, Malawi 2(1):32W; 2(2):79f, W

Zomba Plateau, Malawi 4(1):42W

Aegirine-augite

Mt Anakie, Victoria 14(1):37-42af, 43-45f; 21(1):28, 33f, 35a

Mt Shadwell, Mortlake, Victoria 14(1):37-42af

Ag-rich Pb-Bi sulfides

Wolfram pipe, Kingsgate, New South Wales 14(1):20-24af

Afwillite

Commercial quarry, Crestmore, Riverside County, California, USA 4(1):42W

Agardite-(Y)

Block 14 opencut, Broken Hill, New South Wales 3(1):54-55

Broken Hill, New South Wales 11(1):1f, 22f

Kintore opencut, Broken Hill, New South Wales 3(1):54-55,60f

Mt Cobalt, Queensland 1(2):19-20f

Mt Malvern mine near Clarendon, South Australia 5(1):5

New Cobar mine, Cobar, New South Wales 11(2):78-79f

Telfer gold mine, Western Australia 12(1):29

Agardite, Ce-dominant

Telfer gold mine, Western Australia 12(1):29-30f

Agardite, Nd-dominant

Telfer gold mine, Western Australia 12(1):29f, 37f

Agate, see Quartz variety agate

Aikinite

Kara mine, Tasmania 7(1):37W

Mount Lyell mines, Tasmania 21(2):30f

Airdite

Spring Creek copper mine, Wilmington, South Australia 21(2):37, 37f

Akatoreite

Akatore Creek, Eastern Otago, New Zealand 19(2):29

Akimotoite

Tenham station, Windorah, Queensland 21(2):37

Akopovaite

Asan-Usan glacier, Kyrgyzstan 20(1):60f

Alabandite

Zinc mine, Broken Hill, New South Wales 16(2):105f

Albite

Barbara mine, Coolgardie, Western Australia 14(2):56

CSA mine, Cobar, New South Wales 3(2):126W

Iron Monarch, South Australia 6(1):10

Italy 21(1):64f

Lake Taupo, New Zealand 19(2):36

Londonderry, Western Australia 3(2):100f

Mary Kathleen area, Queensland 13(1):19-21

Mount Lyell mines, Tasmania 21(2):30f

Zomba, Malawi 2(1):32W

Aldermanite

Moculta quarry, Angaston, South Australia 6(2):108f; 17(1):10f, 11, 11f

Aldridgeite

Block 14 opencut, Broken Hill, New South Wales 16(1):47W; 17(2):67-71, 67f, 68a, 70XRD; 21(2):37, 37f

Allanite

Trimouns quarry, Luzenac, France 3(2):129W

Allanite-(Ce)

Mina Nueva Vizcaya, Burguillos del Cerro, Bodajoz, Spain 3(2):130d

Allanite-(La)

Mina Nueva Vizcaya, Burguillos del Cerro, Bodajoz, Spain 3(2):130W

Allophane

Hercules mine, near Rosebery, Tasmania 5(1):47W

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):59a, 60f

Penny West gold mine, Youanmi, Western Australia 18(1):27

Almandine, see also Pyrope-almandine

Temma, Tasmania 18(2):54W

Alstonite

Brownley Hill mine, Nenthead, Cumbria, England 1(1):31f, W

Rosebery mine, Tasmania 9(1):48W

Alpersite

Lloyd mine, Burruga, New South Wales 13(1):41-42

Alunite supergroup minerals

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):36-37f

Altaite

The Golden Mile 18(1):14

Alterite

Cliff Dwellers Lodge, Arizona, USA 20(1):60f, 61f

Aluminoceladonite

Waitakere Ranges, North Island, New Zealand 19(2):21-25, 24f, 23XRD

Alunite

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24, 30f, 31f,

Mount Lyell mines, Tasmania 21(2):30f

Mt Oxide, Queensland 2(1):4f, 10a
Tom's quarry, Kapunda, South Australia 17(1):28

Alunogen
Sunny Corner, New South Wales 17(1):49, 49f, 50

Amamoorite
Amamoor mine, near Gympie, Queensland 20(1):65W; 20(2):7-14,9f, 10f, 11a, 11XRD; 21(2):37,

Amarantite
Sunny Corner, New South Wales 17(1):50

Amethyst, see Quartz variety amethyst

Aminoffite
Hall's Grampians, near Emmaville, New South Wales 4(2):98

Analcime
Ardglen, New South Wales 6(1):35-39af
Awatere Valley, New Zealand 8(1):41W
Ben Lomond railway cutting, New South Wales 4(2):123
Ben Lomond quarry, New South Wales 4(2):126
Bonney's quarry, South Burnie, Tasmania 10(2):62
Borambil, New South Wales 2(1):12-13f, 20a
Bundoora basalts, Victoria 20(1):30, 30f
Cape Grim, Tasmania 10(2):62f
The Doughboys, near Cape Grim, Tasmania 10(2):62f
Flat Topped Bluff, Tasmania 10(2):62,63a, 66f
Guildford, Tasmania 10(2):62
Krui Valley, Merriwa, New South Wales 8(2):62a, 63f
Little Deer Park, County Antrim, Ireland 11(1):20
Marys Is., Tasmania 10(2):63
Middlesex Plains, Tasmania 10(2):62
Moonen Bay, Skye, Scotland 1(1):31W
Mt Cameron West, near Redpa, Tasmania 10(2):62
The Nut, Stanley, Tasmania 10(2):63
Railton-Moriarty, Tasmania 10(2):62
Redpa-Marrawah, Tasmania 10(2):62
Reid Rocks, Bass Strait, Tasmania 10(2):63
River Bluff, MacIntyre River, Inverell, New South Wales 4(2):130
Stanley, Tasmania 10(2):62
Table Cape, Tasmania 10(2):62
The Vugh, Sand Queen mine, Comet Vale, Western Australia 12(1):17-21

Anatase
Byles gold mine, Mongolata gold field, Mt Lofty Ranges, South Australia 15:42f
Iron Monarch, South Australia 6(1):10
Mount Lyell mines, Tasmania 21(2):30f
North Queensland 18(1):66W, 66f
Philosopher's Ridge, Queenstown, Tasmania 7(2):82W; 21(2):21
Tumut Serpentinite Province, New South Wales 7(1):6

Andalusite variety chiastolite
Mt Howden, South Australia 9(2):92f
Olary Block, South Australia 9(2):91, 92f, 93XRD

Andesine
Boral quarry, Bundoora, Victoria 21(1):61f
Rollinsons quarry, near Malmsbury, Victoria 16(2):97, 97f

Andradite
Kara mine, Tasmania 4(1):40W; 7(1):37W
N'Chwaning II mine, Kalahari, South Africa 2(2):79W; 8(1):43W

Angastonite
Penrice quarry, Angaston, South Australia 14(2):62W; 17(1):10f, 12, 12f; 21(2):38,38f

Anglesite
Adelaide mine, Dundas, Tasmania 12(2):79

Block Nine mine, Mineral Hill field, New South Wales 11(2):106
Block 14 opencut, Broken Hill, New South Wales 3(1):41-42; 5(1):46, 47fW; 14(2):61f
Broken Hill, New South Wales 3(1):11f, 14f, 79f; 6(2):87f; 11(1):21f
Comet mine, Dundas, Tasmania 12(2):78-79f
Day Dream mine, Silverton, New South Wales 3(2):105, 108f
Dundas, Tasmania 6(2):78f
Happy Jack mine, Comet Vale, Western Australia 12(1):14
Iron Monarch, South Australia 6(1):10
Kapi mine, Dundas, Tasmania 12(2):79
Kintore opencut, Broken Hill, New South Wales 3(1):41-42, 44f
Kosminsky mine, Dundas, Tasmania 12(2):79
Magnet mine, Tasmania 1(1):9; 12(2):79
Machen quarry, Wales 1(1):31W
Mibladen, Morocco 9(2):100f
MMM Ltd mine, Broken Hill, New South Wales 3(1):20f
Mt Malvern mine, Adelaide Hills, South Australia 4(1):40W; 5(1):6
Mt Stewart mine, Leadville, New South Wales 5(1):33f
Northampton, Western Australia 18(1):39
Parkers Hill, Mineral Hill field, New South Wales 11(2):106
Penny West gold mine, Youanmi, Western Australia 18(1):27
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 4(1):40W; 5(2):87W
Potter's mine, Condobolin, New South Wales 11(2):119f, 120
Ragged Hills, Braeside lead field, Pilbara, Western Australia 13(2):57
Red Lead mine, Dundas, Tasmania 12(2):79,85f
Shangri La mine, Kimberley, Western Australia 16(1):19, 20SEM, 22f
Sunny Corner, New South Wales 17(1):48
Touissit mine, Morocco 6(2):55f
West Comet mine, Dundas, Tasmania 12(2):79
Whim Creek mine, Western Australia 4(1):18

Anhydrite
Mount Lyell mines, Tasmania 21(2):30f

Ankerite
Magnet mine, Tasmania 1(1):9
Mount Lyell mines, Tasmania 21(2):30f
Telfer gold mine, Western Australia 12(1):29
Wallaroo mines, Kadina, South Australia 20(1):19f

Annabergite
Union Jack gold mine, Coolgardie, Western Australia 19(2):43-44, 43f

Anorthoclase
Loyetea, Tasmania 21(1):70W, 70f
Rollinsons quarry, near Malmsbury, Victoria 16(2):97, 98f, 99f
Waitakere Ranges, North Island, New Zealand 19(2):21

Anthophyllite, *see gedrite/anthophyllite*

Antigorite
Tumut Serpentinite Province, New South Wales 7(1):6, 9

Antimony
Hillgrove, New South Wales 4(2):92
Inglewood, Victoria 17(2):88, 89f
Lucknow, near Orange, New South Wales 6(1):29f, 30

Antlerite
Desolation prospect, Mount Isa Block, Queensland 17(2):84
Kintore opencut, Broken Hill, New South Wales 3(1):42
Mt Oxide, Queensland 2(1):5f
Northampton, Western Australia 18(1):39
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Shangri La mine, Kimberley, Western Australia 16(1):19

Apatite

Aberfoyle tin mine, Gladstone, Tasmania 6(2):74f
Barbara mine, Coolgardie, Western Australia 14(2):56
Ben Lomond railway cutting, New South Wales 4(2):123
Boral quarry, Bundoora, Victoria 21(1):61f
Kintore opencut, Broken Hill, New South Wales 3(1):45
Megilligar Rocks, Breage, Cornwall, England 11(1):20f
Northparkes, New South Wales 4(1):7
Rollinsons quarry, near Malmsbury, Victoria 16(2):97
Spring Creek mine, Wilmington, South Australia 2(2):60f
Woodlands, Gascoyne region, Western Australia 14(1):27-36fSEM

Apophyllite

Broken Hill, New South Wales 16(2):105f
Deccan Traps, India 16(1):42f
Hargraves quarry, Oberon, New South Wales 8(1):30-31af
Heemskirk area, Tasmania 21(1):69W, 70f
India 1(1):34
Little Plains quarry, Weldborough, Tasmania 21(1):69W, 69f, 70f
Moonen Bay, Sky, Scotland 1(1):31W
Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):5f, 7f
Sgurr nam Boc, Skye, Scotland 1(1):31W
Waitakere Ranges, North Island, New Zealand 19(2):19

Aragonite

Abbotsford and Bundoora, Victoria 20(1):30, 31f, 32f
Baulkham Hills, New South Wales 8 (1):39
Ben Lomond quarry, New South Wales 4(2):125f, 126
Block 14 opencut, Broken Hill, New South Wales 3(1):37f
Borambil, New South Wales 2(1):13
Broken Hill, New South Wales 3(1):79
Daylesford, Victoria 1(2):14f
HEC Tunnel, Wilmot, Tasmania 6(2):82f
Hunter Valley, New South Wales 8(1):39
Jenolan Caves, New South Wales 5(1):47W
Kintore opencut, Broken Hill, New South Wales 3(1):35
Magnet mine, Tasmania 1(1):9
Mt Malvern mine near Clarendon, South Australia 5(1):6
Reidy's shaft, Emmaville, New South Wales 4(2):129-130
River Bluff, MacIntyre River, Inverell, New South Wales 4(2):130
Swan Vale, New South Wales 4(2):130
Willy Wally Gully, near Merriwa, New South Wales 16(2):80

Aravaite

Hatrurium formation, Negev, Israel 20(1):60f

Archerite

Petrogale Cave, Madura, Eucla, Western Australia 6(2):108

Ardealite?

Jenolan Caves, New South Wales 5(1):47W

Arfvedsonite

Tomahawk River, north of Scottsdale, Tasmania 9(1):48W

Argentite

Magnet mine, Tasmania 1(1):9

Argentojarosite

Sunny Corner, New South Wales 17(1):48

Armenite

Simplon Pass, Switzerland 1(2):31W

Arsenic

Lionsville, New South Wales 4(2):99
Lucknow, near Orange, New South Wales 6(1):29f, 30

Solfarino, New South Wales 4(2):99

Arsenogoyazite

Red Lead mine, Dundas, Tasmania 12(2):79, 84, 86d

Arseniosiderite

Kintore opencut, Broken Hill, New South Wales 3(1):55

Mt Malvern mine near Clarendon, South Australia 5(1):6f, 11f

Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Arsenoflorencite-(Ce)

Kimba, Eyre Peninsula, South Australia 6(2):108

Arsenopyrite

Aberfoyle tin mine, Gladstone, Tasmania 6(2):74f

Almanda mine, Cherry Gardens, South Australia 18(1):54, 55f

Dolphin mine, Vatukoula, Viti Levu, Fiji 7(2):66-67

Kingsgate, New South Wales 7(2):86f

Lucknow, near Orange, New South Wales 6(1):28-29f

Magnet mine, Tasmania 1(1):9

Mount Lyell mines, Iron Blow, Tasmania 21(2):21, 30f

Mt Malvern mine near Clarendon, South Australia 5(1):6

Mount Moliagul, Victoria 21(1): 41, 41f

Sandy Flat pipe, Redbank, Northern Territory 6(1):5

Sunny Corner, New South Wales 17(1):46

Rumsby's mine, The Gulf, Emmaville, New South Wales 18(2):26

Webbs Consols mine, Emmaville, New South Wales 4(2):94f

Wongabah mine, Rivertree, New South Wales 4(2):96f

Yaogaixian mine, Hunan Province, China 11(1):38W

Arsentsumebite, see also Tsumebite

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):37f

Arthurite

Mujuba Hill mine, Pershing County, Nevada 21(1):48f

Artinite

Eddy Creek quarry, Weld River, Tasmania 18(1):65W

Asbolane

Mt Oxide, Queensland 2(1):5

Port Macquarie, New South Wales 4(2):99

Ashburtonite

Ashburton Downs, Capricorn Range, Western Australia 6(2):108f

Perilya Potosi operations, Broken Hill, New South Wales 20(2):47W, 47f

Atacamite

Block 14 opencut, Broken Hill, New South Wales 3(1):34,36f

Cams mine, Lake Miranda, Western Australia 20(1):51-54, 52f, 53f

Couta mine, near Temma, Tasmania 5(2):87W

Doora mine, Kadina, South Australia 17(2):64, 65f

E26 orebody, Northparkes, New South Wales 10(2):54f, 56f

Girilambone copper deposits, New South Wales 11(2):93

Great Australia mine, Queensland 1(1):25

Kintore opencut, Broken Hill, New South Wales 3(1):34

Mt Malvern mine near Clarendon, South Australia 5(1):6

Mt Oxide, Queensland 2(1):5

New Cornwall mine, Kadina, South Australia 6(2):68f; 16(2):59f

Nifty copper mine, Western Australia 8(2):48,49f

Northampton, Western Australia 18(1):39

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Spring Creek mine, Wilmington, South Australia 2(2):60

Whim Creek mine, Western Australia 4(1):18

Augelite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Augite

Boral quarry, Bundoora, Victoria 21(1):61f
“Haystack”, Shannon Tier, north of Bothwell, Tasmania 7(1):37W
Mt Elliott mine, Selwyn, Queensland 3(2):126W
Rollinsons quarry, near Malmsbury, Victoria 16(2):98, 98f

Aurichalcite

Block 14 opencut, Broken Hill, New South Wales 3(1):35
Colebrook Hill, Tasmania 5(2):87W
Kintore opencut, Broken Hill, New South Wales 3(1):35,37f
Mt Evelyn, Northern Territory 7(1):23f
Mt Malvern mine near Clarendon, South Australia 5(1):6
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Shangri La mine, Kimberley, Western Australia 16(1):19
Wet Weather quarry, Crestmore, Riverside County, California, USA 4(1):42W

Aurorite

St John’s, Moculta and Tom’s quarry, Kapunda, South Australia 17(1):28, 28f

Aurostibite

Hillgrove, New South Wales 4(2):93
Lucknow, near Orange, New South Wales 6(1):28f, 29
Maldon, Victoria 15:32,33f

Autunite

Mt Painter, South Australia 9(1):19f, 31f

Awaruite

Gorge River, Red Hills Range, New Zealand 19(2):29
Tumut Serpentinite Province, New South Wales 7(1):6, 8, 9a

Axinite

Halls Creek, near Bingara, New South Wales 4(2):99
Manilla, New South Wales 4(2):99
Moonbi, Tamworth area, New South Wales 4(2):99
N’Chwaning II mine, Kalahari manganese field, South Africa 7(1):40-41fW
Nemingah, New South Wales 4(2):99
Nundle, New South Wales 4(2):99
Tourmalet Massif, Pyrénées, France 3(2):129W

Azurite

Almanda mine, Cherry Gardens, South Australia 18(1):54
Block Nine mine, Mineral Hill field, New South Wales 11(2):107
Block 14 opencut, Broken Hill, New South Wales 3(1):35
Braeside lead field, Pilbara, Western Australia 13(2):57
Broken Hill, New South Wales 3(1):12-13f; 6(2):69f; 16(2):58f; 16(2):104f; 17(2):78f
Burra Burra mine, South Australia 6(2):65f; 20(1):22f
Cave Hill quarry, Lilydale, Victoria 13(2):77f
Cobar, New South Wales 11(2):75f Crusader mine, north-west Queensland 8(2):72
Crowl Creek mine, Shuttleton, New South Wales 11(2):118f Day Dream mine, Silverton, New South Wales 3(2):105
Democratic Republic of the Congo 11(1):39W
Desolation prospect, Mount Isa Block, Queensland 17(2):84
E26 orebody, Northparkes, New South Wales 10(2):54
Fulton Hogan Tynong quarry, Tynong North, Victoria 18(2):54W, 54f
Girilambone mine, Nyngan, New South Wales 2(1):41W; 11(2):92-94f
Great Australia mine, Queensland 1(1):25
Great Cobar mine, Cobar, New South Wales 11(2):76f
Hall’s Peak deposit, near Armidale, New South Wales 4(2):113
Horseshoe deposit, Duck Creek area, Queensland 3(2):125W
Hunan Province, China 9(1):48W
Iodide mine, Mineral Hill field, New South Wales 11(2):106-107f
Kintore opencut, Broken Hill, New South Wales 3(1):35,37f
Malbunka copper mine, Areyonga, Northern Territory 15:1f; 18(1):67W; 18(2):56W

Mt Cobalt, Queensland 1(2):19
Mt Hope mine, New South Wales 11(2):118f, 119
Mt Isa, Queensland 7(1):36W
Mt Malvern mine near Clarendon, South Australia 5(1):6,11f
Mt Oxide, Queensland 2(1):5
New Dollar prospect, Duck Creek area, Queensland 3(2):125W
Nifty copper mine, Western Australia 8(2):48
Northampton, Western Australia 18(1):39, 41f
Northparkes, New South Wales 4(1):6
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 5(1):46W
Proprietary mine, Broken Hill, New South Wales 6(2):52f
Red Dome gold mine, Chillagoe, Queensland 2(1):40f, 41W; 6(1):41,42fW
Sandy Flat pipe, Redbank, Northern Territory 6(1):5f
Shangri La mine, Kimberley, Western Australia 16(1):19
Spring Creek mine, Wilmington, South Australia 2(2):61f, 62
Tong Lou Shang mine, Guichi, Anhui Province, China 11(1):38W
Triako Eastern pit, Mineral Hill field, New South Wales 11(2):107,108f
Tsumeb, Namibia 1(1):34W
Vergenoeg fluorite mine, Rust-de-Winter district, South Africa 11(1):41fW
Whim Creek mine, Western Australia 4(1):18
Woodlawn mine, New South Wales 21(1):51f

Baileychlore
Red Dome mine, Chillagoe, Queensland 6(2):109

Bamfordite
Bamford Hill, Queensland 6(2):108f, 109

Bannisterite
12 level, Zinc Corporation mine, Broken Hill 15:63f

Barbertonite
Nevada Creek, Dundas, Tasmania 12(2):105

Bariosincosite
Spring Creek mine, Wilmington, South Australia 5(2):56-57f; 6(2):109f; 8(2):82

Barite (baryte)
Almanda mine, Cherry Gardens, South Australia 18(1):54
Block 14 opencut, Broken Hill, New South Wales 3(1):42
Bundoora, Victoria 20(1):30, 31f
Elandsrand gold mine, Witwatersrand, South Africa 4(1):42W
E26 orebody, Northparkes, New South Wales 10(2):54
Girilambone copper deposits, New South Wales 11(2):98
Hunan Province, China 9(1):48W
Inyadda Point, Bendalong, New South Wales 7(2):52-53f
Iodide mine, Mineral Hill field, New South Wales 11(2):108
Jinkouhe Shan, Sichuan Province, China 9(1):5f
Kintore opencut, Broken Hill, New South Wales 3(1):42
La Barre mine, near Pontgibaud, Puy-de-Dôme, France 3(2):129W
Manuka Zn-Pb-Ag deposits, Cobar Basin, New South Wales 18(2):10, 20f
Meikle mine, Eureka County, Nevada, USA 2(2):78W
Moculta quarry, Angaston, South Australia 17(1):28, 29f
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24
Mt Cobalt, Queensland 1(2):19
Mount Lyell mines, Tasmania 21(2):21, 21f, 22f, 30f
Mt Isa, Queensland 2(2):76W; 9(2):97f
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Mt Malvern mine near Clarendon, South Australia 5(1):6
N'Chwaning II mine, Kalahari, South Africa 2(2):79,80fW; 7(1):41W
Nifty copper mine, Western Australia 8(2):48,49f
Northampton, Western Australia 18(1):40, 41f
Northparkes, New South Wales 4(1):7

No.2 workings, Mt Painter, South Australia 9(1):24,25f
Parkside mine, Cumberland, England 6(2):81f
Peak Hill gold mine, New South Wales 15:48-50f
Prince Lyell mine, Mt Lyell, Queenstown, Tasmania 7(2):82W
Roota mine, Cavnic, Maramures, Romania 3(2):130W
Rosh Pinah mine, Namibia 4(1):42W
Rossignol vein, Chaillac, France 3(2):129W
Roxby Downs, South Australia 2(1):40f, 41W
Shangri La mine, Kimberley, Western Australia 16(1):19
Spring Creek mine, Wilmington, South Australia 2(2):62f
Strontian, Argyllshire, Scotland 16(1):11f
Sydney area, New South Wales 8(1):39
Telfer gold mine, Western Australia 12(1):30
Temma, Tasmania 18(2):54W
Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W
Vatukoula gold mines, Viti Levu, Fiji 7(2):70-71
Whitianga, Coromandel Peninsula, New Zealand 8(1):41W
Woodlawn mine, New South Wales 21(1):52f
Zaire 2(1):32W
Zinc Corporation mine, Broken Hill, New South Wales 3(1):20f

Bariopharmacosiderite
Sunny Corner, New South Wales 17(1):48, 48f, 50

Barium-pharmacosiderite
Elsmore, New South Wales 8(2):57f, 58
Mt Malvern mine near Clarendon, South Australia 5(1):6f, 7

Barlowite
Great Australia mine, Cloncurry, Queensland 16(1):47W; 21(2):38

Barringtonite
Rainbow Falls, Barrington Tops, New South Wales 6(2):109

Basaluminite
Coimadai antimony mine, near Bacchus Marsh, Victoria 8(1):35, 36f, 37XRD
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Bassanite
Kimba, South Australia 9(1):48fW

Bastnäsite
Trimouns quarry, Luzenac, France 3(2):128f, 129W; 6(2):88f

Bastnäsite-(Ce)
Kintore opencut, Broken Hill, New South Wales 3(1):35, 37f
Mount Lyell mines, Tasmania 21(2):30f
Paratoo mine, South Australia 9(1):47W

Baumoite
Radium Hill uranium mine, Olary Province, South Australia 21(2):38, 38f

Bavenite
Kara mine, Tasmania 4(1):40W; 7(1):37W
Londonderry, Western Australia 3(2):95-96f

Bayldonite
Bali Lo prospect, Ashburton Downs, Western Australia 13(1):37f
Block 14 opencut, Broken Hill, New South Wales 3(1):55
Day Dream mine, Silverton, New South Wales 3(2):106, 108f
Kintore opencut, Broken Hill, New South Wales 3(1):55, 60f, 65f
Mt Malvern mine near Clarendon, South Australia 5(1):7f, 8
New Cobar mine, Cobar, New South Wales 11(2):79f
Penberthy Croft mine, England 1(1):30W

Beaverite
Iodide mine, Mineral Hill field, New South Wales 11(2):108
Shangri La mine, Kimberley, Western Australia 16(1):19SEM
Triako Eastern pit, Mineral Hill field, New South Wales 11(2)

Whim Creek mine, Western Australia 4(1):18,19f

Beaverite-(Cu)

Almanda mine, Cherry Gardens, South Australia 18(1):55

Northampton, Western Australia 18(1):40

Penny West gold mine, Youanmi, Western Australia 18(1):27

Bechererite

Broken Hill, New South Wales 3(1):79

'Bellite'

Magnet mine, Tasmania 1(1):9

Beraunite

Block 14 opencut, Broken Hill, New South Wales 3(1):45-46,48f

Hagendorf Süd pegmatite, Bavaria 19(1):12

Kintore opencut, Broken Hill, New South Wales 3(1):45-46

Lavers Hill quarry, Fish Creek, Victoria 2(2):77afW

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 4(1):40fW; 5(2):87W

Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Spring Creek mine, Wilmington, South Australia 2(2):61f, 62

Beresovite

Magnet mine, Tasmania 1(1):9

Berlinite

Fairview deposit, South Australia 17(1):10f, 12

Beraunite

Rixons Sandstone quarries, near Campbells Creek, Victoria 17(2):93

Klemm's quarry, Moculta, South Australia 17(1):10f, 12, 12f

Bermanite

Iron Monarch, South Australia 6(1):10

Bernalite

Broken Hill, New South Wales 3(1):74f

Proprietary mine, Broken Hill, New South Wales 1(2):5f; 6(2):109f

Berthierite

Inglewood, Victoria 17(2):88, 89f

Nullamanna, near Inverell, New South Wales 4(2):92

Bertrandite

Cleveland mine, Luina, Tasmania 2(1):39W

Giles Pegmatite, Spargoville, Western Australia 18(2)42, 42f, 43XRD

Beryl

Bismuth, Torrington, New South Wales 4(2):83f

Coolgardie pegmatite field, Western Australia 3(2):96

Cope's Creek, New South Wales 4(2):118

Emmaville area, New South Wales 4(2):118

Erongo Mountains, Namibia 13(1):48-49f

Heffernan's wolfram mine, Torrington, New South Wales 4(2):118, 120f

Giles Pegmatite, Spargoville, Western Australia 18(2):40

Sayers mine, Moina, Tasmania 10(2):80W

Tabba Tabba pegmatite, Western Australia 20(2):40

Tingha, New South Wales 4(2):118

Tom's quarry, Kapunda, South Australia 17(1):28

Torrington area, New South Wales 4(2):118; 5(2):87-88fW

Triple Chance mine, Broken Hill district, New South Wales 9(2):97f

Beryl variety aquamarine

Brazil 6(2):56f

Erongo Mountain, Namibia 7(1):40-41fW; 11(1):41W

Mount Crawford, Williamstown, South Australia 17(2):79f

Sumire, Hunza, Pakistan 1(2):29f, W; 6(2):89f; 11(1):5f

Beryl variety emerald

Emerald Mine, Emmaville, New South Wales 4(2):118

Emmaville area, New South Wales 4(2):120f

Fielders Hill, near Torrington, New South Wales 4(2):117f, 118
Nigeria 21(1):49f
Reward opencut, Poona, Western Australia 2(1):41W
Beryl variety morganite
Alto Ligonha, Mozambique 1(2):31W
Berzelianite
Mount Lyell mines, Tasmania 21(2):30f
Betpakdalite-FeFe
Elsmore, New South Wales 7(1):15,16f, 17; 8(2):56
Mount Moliagul, Victoria 18(2):54W, 54f; 21(1):41, 42f; 21(2):39, 39f
Pine Mountain mine, Brungle, New South Wales 13(2):96
Beudantite
Braeside lead field, Pilbara, Western Australia 13(2):58
Endeavour mine, Elura, New South Wales 11(2):90f
Iodide mine, Mineral Hill field, New South Wales 11(2):109
Kintore opencut, Broken Hill, New South Wales 3(1):60-61f, 62, 63f, 65f
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Shangri La mine, Kimberley, Western Australia 16(1):20
Telfer gold mine, Western Australia 12(1):30
Beudantite/segnite
Mt Malvern mine near Clarendon, South Australia 5(1):8f, 9, 10f
Sunny Corner, New South Wales 17(1):47, 47f, 48, 48f, 50
Beyerite
Alone Hand mine, Duck Creek, Cloncurry, Queensland 3(2):125W; 4(1):9-11af
Iron Monarch, South Australia 6(1):10
Bianchite
Peelwood mine, Peelwood, New South Wales 13(1):42-43XRD
Billietite
No.2 workings, Mt Painter, South Australia 9(1):24,25f
Bimbowrieite
White Rock Number 2 quarry, Bimbowrie Conservation Park, South Australia 21(2):39, 39f
Bindheimite
Block Nine mine, Mineral Hill field, New South Wales 11(2):109f
Day Dream mine, Silverton, New South Wales 3(2):106
Iodide mine, Mineral Hill field, New South Wales 11(2):114f
Kintore opencut, Broken Hill, New South Wales 3(1):31
Magnet mine, Tasmania 1(1):9; 2(1):41
Northampton, Western Australia 18(1):42
Shangri La mine, Kimberley, Western Australia 16(1):18-20f
Tewinga lode, Nambucca, New South Wales 4(2):114
Biotite
Mount Lyell mines, Tasmania 21(2):30f
Temma, Tasmania 18(2):54W
Biphosphammite
Murra-el-elevyn Cave, Eucla, Nullarbor Plain, Western Australia 6(2):110
Birchite
Block 14 opencut, Broken Hill, New South Wales 14(2):62W; 21(2):40, 40f
Bismite
Elsmore, New South Wales 7(1):15; 8(2):56
Bismite/Bismutite
Blue Hill quarry, Oberon, New South Wales 10(2):48
Bismoclite
Iron Monarch, South Australia 6(1):12
Leinster, Western Australia 8(2):83-85fXRD
Bismuth
Almanda mine, Cherry Gardens, South Australia 18(1):55, 55f
Bismuth, Torrington, New South Wales 4(2):83f

Kingsgate, New South Wales 4(2):83-84
Maldon, Victoria 15:32a, 33f
Mulga Springs, Broken Hill district, New South Wales 4(1):37
No. 3 Pipe, Maurer's Claim, Kingsgate, New South Wales 13(2):87f
Sachs mine, Kingsgate, New South Wales 4(2):82f
Wolfram pipe, Kingsgate, New South Wales 14(1):19-21f

Bismuthinite

4(2):83f
Almanda mine, Cherry Gardens, South Australia 18(1):55, 55f
Alone Hand mine, Duck Creek, Cloncurry, Queensland 4(1):9-10f
Blue Hill quarry, Oberon, New South Wales 10(2):48
Kingsgate, New South Wales 4(2):84; 5(2):87fW
Maldon, Victoria 15:34a, 35f
Princess mine, Moina, Tasmania 10(2):80W
Shepherd and Murphy mine, Tasmania 5(1):48W
Wolfram pipe, Kingsgate, New South Wales 14(1):20-21f

Bismutite

Barbara mine, Coolgardie, Western Australia 14(2):56
Elsmore, New South Wales 8(2):56
Fielders Hill, New South Wales 4(2):85
Iron Monarch, South Australia 6(1):12

Bismutostibiconite

Elsmore, New South Wales 8(2):56

Bityite

Londonderry, Western Australia 3(2):96

Bleasdaleite

Lake Boga, Victoria 5(2):69-75af; 6(2):109f, 110

Boléite

Day Dream mine, Silverton, New South Wales 3(2):106, 108f
Kintore opencut, Broken Hill, New South Wales 3(1):34

Boltwoodite

Khan River Valley, Namibia 2(2):79W; 3(2):127, 128fW
Langer Heinrich Uranium Prospect, Namib Desert, Namibia 5(2):91W
New Method mine, San Bernadino County, California 21(1):50f
No.2 workings, Mt Painter, South Australia 9(1):24

Boothite?

Mount Lyell mines, Tasmania 21(2):21, 30f

Boracite

Boulby Mine, Loftus, Cleveland, England 1(1):31f, W

Bornite

Cattle Grid deposit, Mount Gunson, South Australia 16(2):66f, 62f
Mount Lyell mines, Tasmania 21(2):21, 30f
Olympic Dam, South Australia 18(2):56W, 57, 57f
Wallaroo mines, Kadina, South Australia 20(1):25f

Bournonite

Mount Lyell mines, Tasmania 21(2):30f

Boromullite

Mount Stafford, 170 km north-west of Alice Springs, Northern Territory 16(1):47W; 21(2):41

Botallackite

Cams mine, Lake Miranda, Western Australia 20(1):54
Couta Mine, near Temma, Tasmania 5(2):87W

Boulangerite

Magnet mine, Tasmania 1(1):9
Federation Prospect, Cobar Basin, New South Wales 21(2):79

Bracewellite

Iron Monarch, South Australia 6(1):12f

Braggite

Little Darling Creek, Broken Hill district, New South Wales 4(1):35a

Brannerite

Crocker Well, South Australia 14(2):69-71af

Specimen Reef mine, near Savage River, Tasmania 5(1):47W

Braunerite

Svornost mine, Czech Republic 20(1):60f, 61f

Braunite

Woods mine, New South Wales 15:15-18af

Braunite II

Wessels mine, Kalahari, South Africa 2(1):32f, W

Brazilianite

Conselheiro Peno, Minas Gerais, Brazil 2(1):24f

Linopolis City, Minas Gerais, Brazil 1(2):31W

Breithauptite

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):59

Brianyoungite

Cumbria, England 1(1):30W

Pinnacles mine dumps, Broken Hill, New South Wales 5(1):46W; 5(2):87W

Bridgmanite

Tenham chondritic meteorite, Tenham Station, Windorah, Queensland 21(2):40, 40f

Brochantite

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):35f, 37

Block 14 opencut, Broken Hill, New South Wales 3(1):41f, 42, 44f

Broken Hill, New South Wales 3(1):79f

Colebrook Hill, Tasmania 5(2):87W

Crusader mine, north-west Queensland 8(2):72,73f

Desolation prospect, Mount Isa Block, Queensland 17(2):84

Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):58

Elsmore, New South Wales 8(2):56

E26 orebody, Northparkes, New South Wales 10(2):54

Great Australia mine, Queensland 1(1):25,26f

Hercules mine, near Rosebery, Tasmania 4(1):40W

Iron Monarch, South Australia 6(1):13

Kintore opencut, Broken Hill, New South Wales 3(1):42f

Mount Lyell mines, Tasmania 21(2):30f

Mt Malvern mine near Clarendon, South Australia 5(1):9

Mt Oxide, Queensland 2(1):5-6f

Murrays Reward mine, Balfour, Tasmania 5(2):87W

Nifty copper mine, Western Australia 8(2):48,49f

Northampton, Western Australia 18(1):42

Orieco mine, Scamander, Tasmania 2(1):40W

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Shangri La mine, Kimberley, Western Australia 16(1):20

Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Spring Creek mine, Wilmington, South Australia 2(2):61f,62

Telfer gold mine, Western Australia 12(1):30

Triako Eastern pit, Mineral Hill field, New South Wales 11(2):109

Wet Weather quarry, Crestmore, Riverside County, California, USA 4(1):42W

Whim Creek mine, Western Australia 4(1):18

Brokenhillite

Broken Hill, New South Wales 6(2):110

Bromargyrite

Almanda mine, Cherry Gardens, South Australia 18(1):56, 59f

Block Nine mine, Mineral Hill field, New South Wales 11(2):109f, 110

Iodide mine, Mineral Hill field, New South Wales 11(2):109-110

Kintore opencut, Broken Hill, New South Wales 3(1):34

Mt Malvern mine near Clarendon, South Australia 5(1):9

Brucite

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):53f, 60f, 59a

Sylvester mine, Zeehan, Tasmania 7(1):37W

Tumut Serpentinite Province, New South Wales 7(1):6

Bultfonteinite

N'Chwaning II mine, Kalahari manganese field, South Africa 8(1):43W, 11(1):40-41fW

Wessels mine, Kalahari manganese field, South Africa 8(1):42W

Bushmakinite

Penny West gold mine, Youanmi, Western Australia 18(1):27, 28, 28fEDS

Bustamite

Black and White mine, Danglemah, New South Wales 4(2):103

NBHC mine, Broken Hill, New South Wales 3(1):18f

North mine, Broken Hill, New South Wales 16(2): 105f

Buttgenbachite

Great Australia mine, Queensland 1(1):25

Cacoxenite

Tom's, Moculta and St John's quarry, South Australia 17(1):10f, 12-13, 12f, 13f

Spring Creek mine, Wilmington, South Australia 2(2):62

Pwll Du beach, near Swansea, Wales 11(1):22f

Cadmian serpierite

17(2): 68a

Calaverite

The Golden Mile 18(1):11, 12, 12f

Mount Lyell mines, Tasmania 21(2):30f

North Kalgurli Mine, Kalgoorlie, Western Australia 6(2):96f

Calcioferrite

Moculta quarry, South Australia 17(1):10f, 13, 13f

Calcite

Abbotsford and Bundoora, Victoria 20(1):33, 33f, 34f

Allandale, Hunter Valley, New South Wales 18(2):31, 31f-35f

Andreasberg, Harz Region, Germany 16(2):60f

Aranga quarry, Northland, New Zealand 19(2):8

Ardglen, New South Wales 6(1):35

Awatere Valley, New Zealand 8(1):41W

Barbara mine, Coolgardie, Western Australia 14(2):56

Ben Lomond railway cutting, New South Wales 4(2):123

Ben Lomond quarry, New South Wales 4(2):126-127

Bergen Hill, New Jersey, USA 16(1):12f

Biggenden mine, Queensland 9(2):98f

Block 14 opencut, Broken Hill, New South Wales 3(1):36

Boldut mine, Cavnic, Maramures, Romania 3(2):130W

Borambil, New South Wales 2(1):13-14f

Broken Hill, New South Wales 3(1):79; 9(2):99f; 16(2):105f

Bruny ore body, Renison Bell, Tasmania 5(1):47-48fW

Cambokeels mine, Weardale, Durham, England 1(1):30fW

CSA mine, Cobar, New South Wales 3(2):126W; 11(2):74f

Cumberland, England 16(2):61f

Dal'negorsk, Russia 1(2):30W; 9(1):48fW

Day Dream mine, Silverton, New South Wales 3(2):106

Garibaldi mine, Lionsville, New South Wales 4(2):99

Gatton, Queensland 16(1):43f

Getchell mine, Humboldt County, Nevada, USA 2(2):78W

Giblin Street, Hobart, Tasmania 2(1):37f

Goongewa mine, Fitzroy Crossing, Western Australia 2(2):76-77fW; 4(1):41fW; 6(2):99f

Great Australia mine, Cloncurry, Queensland 7(1):36fW

Hohenfels, near Otjiwarongo, Namibia 4(1):42W

Hymix quarry, Kulnura, New South Wales 12(1):45-47f
 Iron Monarch, South Australia 2(1):22f
 Jenolan Caves, New South Wales 5(1):47W
 Joplin, Missouri, USA 17(2):80f
 Kara mine, Tasmania 7(1):37W
 Khan River Valley, Namibia 3(2):128fW
 King Solomon's Cave, Mole Creek Karst Area, Tasmania 12(2):98f
 Kintore opencut, Broken Hill, New South Wales 3(1):36
 Krui Valley, Merriwa, New South Wales 8(2):63A
 Lake Cooper quarry, Corop, Victoria 11(1):31f
 Lucknow, near Orange, New South Wales 6(1):28-29f
 Luina, Tasmania 2(1):39f,W
 Magnet mine, Tasmania 1(1):9
 Marrawah, Tasmania 10(2):66f
 Meikle mine, Eureka County, Nevada, USA 2(2):78W
 Mt Elliott mine, Selwyn, Queensland 3(2):126W; 7(2):81fW
 Mount Lyell mines, Tasmania 21(2):22,30f
 Mount Moliagul, Victoria 21(1):41
 N'Chwaning II mine, Kalahari, South Africa 2(2):79,80fW; 7(1):40-41fW; 9(1):49W; 11(1):40-41fW; 14(1):46f
 New Method mine, San Bernadino County, California 21(1):50f
 Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):6
 Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
 Pont-à-Nôle quarry, Mont-sur-Marchienne, Hainaut, Belgium 3(2):128f, 129W
 Red Dome gold mine, Chillagoe, Queensland 2(1):40fW; 6(1):41fW
 Renison Bell, Tasmania 2(1):39W
 Rosebery, Tasmania 6(2):73f
 Sahyadri Mountains, Bombay, India 16(1):11f
 Serbia 7(1):21f
 Shangri La mine, Kimberley, Western Australia 16(1):20
 Swan Vale, New South Wales 4(2):130
 Sydney area, New South Wales 8(1):39
 Telfer gold mine, Western Australia 12(1):30-32f
 The Vugh, Sand Queen mine, Comet Vale, Western Australia 12(1):18-20f
 Tom's quarry, Kapunda, South Australia 17(1):28
 Tyndal's quarry, Kyogle, New South Wales 16(1):43ff
 Trimouns quarry, Luzenac, France 3(2):128fW
 Vatukoula gold mines, Viti Levu, Fiji 7(2):70
 Wave Hill area, Northern Territory 9(2):74
 Wessels mine, Kalahari, South Africa 2(1):32W
 Whim Creek mine, Western Australia 4(1):18
 Willy Wally Gully near Merriwa, New South Wales 16(2):80, 81, 85XRD
 Xiang Hau Ling, Chengzhou, Hunan Province, China 11(1):38-39fW
 Wallaroo mines, Kadina, South Australia 17(2):65, 65f
 12 level, Zinc Corporation mine, Broken Hill 15:63f
Calcite, *manganoan*
 Broken Hill, New South Wales 6(2):85f; 14(1):1f; 16(2):103f, 104f
Caledonite
 Broken Hill, New South Wales 3(1):79f
 Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):58,60f
 Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W
Calomel
 Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W
'Cannizzarite'
 Wolfram pipe, Kingsgate, New South Wales 14(1):20
Carbonate-cyanotrichite
 Wedding Cave mine, Minera, Wales 1(1):31W

Carbonate-fluorapatite

Moculta quarry, South Australia 17(1):13-14

Parwan, Victoria 13(1):27f

Snowstorm mine, Battle Mountain, Nevada, USA 2(2):78W

Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Carbonate hydroxy fluorapatite

Parwan, Victoria 13(1):27f

Cardite

Block 14 open cut, Broken Hill, New South Wales 21(2):41, 41f

Carlsbergite

Arizona, USA 1(2):31W

Carminite

Kintore opencut, Broken Hill, New South Wales 3(1):55f, 58f, 61f, 65f; 11(1):14f

Magnet mine, Tasmania 1(1):9d

Mt Malvern mine near Clarendon, South Australia 5(1):9,10f

Penberthy Croft Mine, Cornwall, England 1(1):30W

Pinnacles mine dumps, Broken Hill, New South Wales 4(1):40fW

Carnotite

Dome Rock, South Australia 5(2):87W

Mt Painter, South Australia 9(1):29d

Carrboydite

Carr Boyd mine, Goongarrie, Western Australia 6(2):110, 112f

Carrollite

Mashamba West mine, Congo 9(2):99f

Kanyo South II mine, Katanga 17(2):59f

Caryopilite

N'Chwaning II mine, Kalahari, South Africa 2(1):32fW

Cassidyite

Wolf Creek Meteorite – Wolf Creek Crater, Western Australia 6(2):128

Cassiterite

Aberfoyle tin mine, Gladstone, Tasmania 6(2):74f

Anchor mine, Lottah, Tasmania 2(1):40W

Barbara mine, Coolgardie, Western Australia 14(2):56

Cath-Ida mine, The Gulf, Emmaville, New South Wales 5(1):46fW

Champion Hill, Elsmore, New South Wales 6(1):42W

Doctors Gully, Emmaville, New South Wales 4(2):69f

Dutchman lode, Torrington, New South Wales 4(2):74f

Elsmore, New South Wales 4(2):70-71f,74-75f; 7(2):84fW; 9(2):98f

The Gulf, Emmaville, New South Wales 4(2):71f,75f

Mt Bischoff, Tasmania 6(2):77f

New England region, New South Wales 4(2):69-73f

Newstead, New South Wales 4(2):70f

Robbies workings, Balfour, Tasmania 7(1):36W

Royal George mine, Tingha, New South Wales 4(2):72f

Sayers mine, Moina, Tasmania 10(2):80W

Sunny Corner, New South Wales 17(1):46, 47, 47f

Tingha, New South Wales 4(2):70f

Vegetable Creek, Emmaville, New South Wales 4(2):74f

Webb's silver mine. Emmaville, New South Wales 4(2):73f

Cavansite

Aranga quarry Northland, New Zealand 19(2):8, 10; 21(1):57f

Poona, India 6(2):89f

Wagoli, Poona, India 1(2):30W

Celestine

Ediacara, Flinders Ranges, South Australia 4(1):40W

Iron Monarch, South Australia 6(1):13

N'Chwaning II mine, Kalahari manganese field, South Africa 7(1):40-41fW; 8(1):43W

Cerianite-(Ce)

Elsmore, New South Wales 8(2):56f

Cerussite

Adelaide mine, Dundas, Tasmania 2(1):39W; 12(2):68f,79-80,94,99f

Andersons mine, Dundas, Tasmania 12(2):94

Black Star opencut, Mt Isa, Queensland 11(1):38fW

Blackwood opencut, Broken Hill, New South Wales 3(1):17f

Block Nine mine, Mineral Hill field, New South Wales 11(2):111f

Block 14 opencut, Broken Hill, New South Wales 3(1):37; 5(1):46fW

Braeside lead field, Pilbara, Western Australia 13(2):58-60f

Broken Hill, New South Wales 3(1):12-15f, 20f, 79f; 6(2):63f; 7(1):20,21f; 11(1):6f; 16(2):58f, 59f, 103f, 104f; 17(2):78f; 20(1):25f; 21(1):63f

Cave Hill quarry, Lilydale, Victoria 13(2):76f, 78f

Comet mine, Dundas, Tasmania 12(2):69-70f, 94

CSA mine, Cobar, New South Wales 11(2):76f

Day Dream mine, Silverton, New South Wales 3(2):106, 107-108f

Dundas, Tasmania 6(2):72f, 76f, 78f

Dundas Extended Mine, Dundas, Tasmania 2(2):76,77f, W; 12(2):70-71f, 79-80, 94, 97f

Endeavour mine, Elura, New South Wales 11(2):88-89f

Heazlewood mine, Tasmania 12(2):80

Hercules Mine, near Rosebery, Tasmania 4(1):40W; 5(1):47W; 12(2):94

Iodide mine, Mineral Hill field, New South Wales 11(2):107f, 110f, 111

Iron Monarch, South Australia 6(1):13

Kapi mine, Dundas, Tasmania 12(2):73f, 79-80, 81f, 94

Kintore opencut, Broken Hill, New South Wales 3(1):37-38f, 40f

Maestries mine, Dundas, Tasmania 12(2):94

Magnet mine, Tasmania 1(1):10-11f; 6(2):73f, 0f; 12(2):94,95f; 21(1):54f

May Day mine, Gilgunnia, New South Wales 11(2):119f, 120

Morocco 6(2):73f

Mount Lyell mines, Tasmania 21(2):22, 30f

Mt Malvern mine, Adelaide Hills, South Australia 4(1):40W; 5(1):9

Mt Stewart mine, Leadville, New South Wales 5(1):33

Overflow mine, Bobadah, New South Wales 11(2):118-120f

Northampton, Western Australia 18(1):42, 42f

Penny West gold mine, Youanmi, Western Australia 18(1):28, 29f

Pentireglaze Mine, Cornwall, England 1(1):30W

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Platt's Prospect, Dundas, Tasmania 12(2):94

Proprietary Block 14 mine, Broken Hill, New South Wales 6(2):53f

Proprietary mine, Broken Hill, New South Wales 6(2):52f

Red Lead mine, Dundas, Tasmania 12(2):80

Red Terror mine, Mineral Hill field, New South Wales 11(2):111

Rossignol vein, Chaillac, France 3(2):129W

Shangri La mine, Kimberley, Western Australia 16(1):18-19f, 20, 23f

Silent Grove, Torrington, New South Wales 4(2):113f

Triako Eastern pit, Mineral Hill field, New South Wales 11(2):111

Tsumeb, Namibia 9(2):100f; 16(1):42f

Wellingrove mine, near Inverell, New South Wales 4(2):113

West Comet mine, Dundas, Tasmania 10(2):80W; 12(2):79-80,95f

Whyte River mine, Tasmania 12(2):80

Woodlawn mine, New South Wales 21(1):51f

Cervantite

Comet mine, Dundas, Tasmania 12(2):80d

Damifino mine, Hillgrove, New South Wales 4(2):112f

Lunatic goldfield, Drake, New South Wales 6(1):42W

Magnet mine, Tasmania 1(1):12

Taylor's Arm, New South Wales 4(2):92

Wild Cattle Creek mine, near Dorrigo, New South Wales 4(2):112

Chabazite series *see also Gmelinite/chabazite*

Addisons Creek, near Gads Hill, Tasmania 10(2):68f

Aranga quarry, Hood Road, Aranga, New Zealand 3(2):127W, 19(2):8

Awatere Valley, New Zealand 8(1):41W

Bell Mount, Middlesex, Tasmania 10(2):63,64f

Ben Lomond railway cutting, New South Wales 4(2):123, 124f

Ben Lomond quarry, New South Wales 4(2):127-128

Borambil, New South Wales 2(1):13-18f, 20a; 7(2):57f

Daylesford, Victoria 1(2):13

Gads Hill, Tasmania 10(2):63,64f

Glen Innes, New South Wales 4(2):130

Guildford, Tasmania 10(2):63

Hellyer River, Tasmania 10(2):63

Maggs Mountain, Tasmania 10(2):63

Middlesex, Tasmania 10(2):63

Moonen Bay, Skye, Scotland 1(1):31W

Reidy's shaft, Emmaville, New South Wales 4(2):129f-130

Ridgley, Tasmania 10(2):63

River Bluff, MacIntyre River, Inverell, New South Wales 4(2):130

Sheffield, Tasmania 10(2):63

Table Cape, Tasmania 10(2):63

Upper Hunter Valley, New South Wales 21(2):5

Waipoua, New Zealand 5(1):44f, 45

Waitakere Ranges, North Island, New Zealand 19(2):15

Waratah, Tasmania 10(2):63

Chabazite-Ca

Ardglen, New South Wales 6(1):35f, 36, 39a

Gads Hill, Tasmania 10(2):63a

Hellyer River, Tasmania 10(2):63a

Krui Valley, Merriwa, New South Wales 8(2):62a, 64f, 67-70f

Middlesex Plains, Tasmania 10(2):63a

Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):6,7a

Rollinsons quarry, near Malmsbury, Victoria 16(2):99

Sheffield, Tasmania 10(2):63a

Trial Harbour, Tasmania 10(2):63

Willy Wally Gully near Merriwa, New South Wales 16(2):81, 81f

Chabazite-Na

Abbotsford and Bundoora, Victoria 20(1):35f, 36f, 38, 38f, 39f, 40f, 41f

Ardglen, New South Wales 6(1):36-39af

Chabazite-Na?

Gads Hill, Tasmania 10(2):65

Guildford, Tasmania 10(2):65

Chabazite/offretite

Waipoua, New Zealand 5(1):44-45f

Chacophanite

Sunny Corner, New South Wales 17(1):48

Chalcanthite

Block 14 opencut, Broken Hill, New South Wales 3(1):42

Girilambone copper deposits, New South Wales 11(2):94

Kintore opencut, Broken Hill, New South Wales 3(1):42

Mount Lyell mines, Tasmania 21(2):22, 30f

Spring Creek mine, Wilmington, South Australia 2(2): 61f, 62

Sunny Corner, New South Wales 17(1):49, 49f, 50

Teutonic Bore, Western Australia 2(1):26

Whim Creek mine, Western Australia 4(1):19

Chalcoalumite

Mt Oxide, Queensland 2(1):6f
Orieco Mine, Scamander, Tasmania 2(1):40W

Chalcocite

Braeside lead field, Pilbara, Western Australia 13(2):58SEM
Cattle Grid deposit, Mount Gunson, South Australia 16(2): 61, 61f
Girilambone copper deposits, New South Wales 11(2):94f, 95
Gunpowder mine, north of Mt Isa, Queensland 11(1):38fW
Mt Elliott Mine, Selwyn, Queensland 7(2):81,82fW
Mount Lyell mines, Tasmania 21(2):22, 30f
Mt Oxide, Queensland 2(1):6
New Cobar mine, Cobar, New South Wales 11(2):77
Nifty copper mine, Western Australia 8(2):48
Northampton, Western Australia 18(1):42
Northparkes, New South Wales 4(1):7
Orieco Mine, Scamander, Tasmania 2(1):40W
Parkers Hill, Mineral Hill field, New South Wales 11(2):111
Penny West gold mine, Youanmi, Western Australia 18(1):28
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Sandy Flat pipe, Redbank, Northern Territory 6(1):6
Shangri La mine, Kimberley, Western Australia 16(1):20
Spring Creek mine, Wilmington, South Australia 2(2):62
Telfer, Western Australia 7(1):1f, 36-37fW; 12(1):30-34f
Triako Eastern pit, Mineral Hill field, New South Wales 11(2):111f

Chalcophanite

Adelaide mine, Dundas, Tasmania 12(2):80
Block 14 opencut, Broken Hill, New South Wales 3(1):31
Kintore opencut, Broken Hill, New South Wales 3(1):31,34f
Magnet mine, Tasmania 1(1):12; 12(2):80
Mt Malvern mine near Clarendon, South Australia 5(1):9,10f
Mt Stewart mine, Leadville, New South Wales 1(2):9-11af; 5(1):33,36f
Platt's Prospect, Dundas, Tasmania 12(2):80
Red Lead mine, Dundas, Tasmania 12(2):80
West Comet mine, Dundas, Tasmania 10(2):80W

Chalcophyllite

South Tolcarne mine, Camborne, Cornwall, England 11(1):17f

Chalcopyrite

Almanda mine, Cherry Gardens, South Australia 18(1):55f, 56, 56f, 57f, 58f
CSA mine, Cobar, New South Wales 11(2):74f
Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):66
Goanna Patch alluvial mining area, Western Australia 15:58
Horseshoe deposit, Duck Creek area, Queensland 3(2):125W
Inglewood, Victoria 17(2):89
Jamieson mercury deposit, Victoria 9(1):36
Lucknow, near Orange, New South Wales 6(1):30
Magnet mine, Tasmania 1(1):12
Manuka Zn-Pb-Ag deposits, Cobar Basin, New South Wales 18(2):10, 20f
Moonta Mines, Moonta, South Australia 6(2):68f; 16(2):57f
Mount Lyell mines, Tasmania 21(2):22, 23f, 29f, 30f
Mt Malvern mine near Clarendon, South Australia 5(1):9
Mount Moliagul, Victoria 21(1): 42
New Dollar deposit, Duck Creek area, Queensland 3(2):125W
Northampton, Western Australia 18(1):43
Penny West gold mine, Youanmi, Western Australia 18(1):27
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Prince Lyell Mine, Mt Lyell, Queenstown, Tasmania 7(2):82,83fW
Sandy Flat pipe, Redbank, Northern Territory 6(1):5f

Spring Creek mine, Wilmington, South Australia 2(2):62
Sunny Corner, New South Wales 17(1):46
The Vugh, Sand Queen mine, Comet Vale, Western Australia 12(1):18-19f
Tumut Serpentinite Province, New South Wales 7(1):6,9a
Wallaroo mines, Kadina, South Australia 6(2):65f; 17(2); 79f

Chalcosiderite

Girilambone copper deposits, New South Wales 11(2):95f
Kintore opencut, Broken Hill, New South Wales 3(1):46, 48-49f
Moculta quarry, South Australia 17(1):10f, 14
Mt Oxide, Queensland 2(1):6f, 10a
Peryhumuck mine, Olary Block, South Australia 3(2):115, 117f, 118a
Spring Creek mine, Wilmington, South Australia 2(2):61f, 62

Chalcostibite

Saint Pons, Haute Provence, France 1(2):31W

Chalcotrichite

Villecun, France 21(1):58f

Chamosite

Mount Lyell mines, Tasmania 21(2):23, 30f
Temma, Tasmania 18(2):54W

Chenevixite

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):35-36f
Desolation prospect, Mount Isa Block, Queensland 17(2):84
New Cobar mine, Cobar, New South Wales 11(2):79
Nifty copper mine, Western Australia 8(2):49

Chenite

Leadhills-Wanlockhead Area, Scotland 1(1):31W

Childrenite

Moculta quarry, South Australia 17(1):10f, 14, 14f

“Chillagite”

Christmas Gift mine, Chillagoe, Queensland 7(1):39

Chlorargyrite

Adelaide mine, Dundas, Tasmania 12(2):80
Almanda mine, Cherry Gardens, South Australia 18(1):56
Block 14 opencut, Broken Hill, New South Wales 3(1):34,36f
Boorook mines, near Drake, New South Wales 4(2):114
Castlereagh mine, Inverell, New South Wales 4(2):114
Day Dream mine, Silverton, New South Wales 3(2):107, 108-109f
Ediacara, Flinders Ranges, South Australia 4(1):40W
Elizabeth Hills mine, Dampier, Western Australia 6(1):42W
Endeavour mine, Elura, New South Wales 11(2):87f
Kintore opencut, Broken Hill, New South Wales 3(1):34
Magnet mine, Tasmania 1(1):12
Mt Malvern mine near Clarendon, South Australia 5(1):9f
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Ruby silver mine, near Armidale, New South Wales 4(2):113
Snowstorm mine, Battle Mountain, Nevada, USA 2(2):78W
Tewinga lode, Nambucca, New South Wales 4(2):114

Chlorargyrite, bromian

Block Nine mine, Mineral Hill field, New South Wales 11(2):109f
Broken Hill, New South Wales 3(1):13f
Iodide mine, Mineral Hill field, New South Wales 11(2):109f
Kintore opencut, Broken Hill, New South Wales 3(1):36f
Kintore Shaft dumps, Broken Hill, New South Wales 7(1):36-37f

Chlorargyrite?

West Comet mine, Dundas, Tasmania 10(2):80W

Chlorite

Mt Lyell, Tasmania 2(1):39W

CSA mine, Cobar, New South Wales 11(2):73f

Chromite

Bingara, New South Wales 4(2):98

Mt Lightning Adit deposit, Coolac Serpentinite Belt, New South Wales 7(1):7a, 10f

Mount Lyell mines, Tasmania 21(2):30f

Tumut Serpentinite Province, New South Wales 7(1):6, 7a, 8

Chrysoberyl

Fazenda Santa Isabel, Pancas, Espirito Santo, Brazil 1(2):31W

Chrysocolla

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):37

Block Nine mine, Mineral Hill field, New South Wales 11(2):111f

Block 14 opencut, Broken Hill, New South Wales 3(1):36f

Braeside lead field, Pilbara, Western Australia 13(2):58

Crusader mine, north-west Queensland 8(2):72

Day Dream mine, Silverton, New South Wales 3(2):107

Desolation prospect, Mount Isa Block, Queensland 17(2):85, 85f

Dorothy Mine, Mungana, Queensland 6(2):52f

E26 orebody, Northparkes, New South Wales 10(2):54f

Girilambone copper deposits, New South Wales 11(2):95

Goanna Patch alluvial mining area, Western Australia 15:59

Great Australia mine, Queensland 1(1):25

Horseshoe deposit, Duck Creek area, Queensland 3(2):125W

Iodide mine, Mineral Hill field, New South Wales 11(2):111

Mt Cobalt, Queensland 1(2):19

New Dollar deposit, Duck Creek area, Queensland 3(2):125W

Nifty copper mine, Western Australia 8(2):49f

Northampton, Western Australia 18(1):43

Northparkes, New South Wales 4(1):5f, 6

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Red Dome gold mine, Chillagoe, Queensland 2(1):41W

Red Terror mine, Mineral Hill field, New South Wales 11(2):111

Sandy Flat pipe, Redbank, Northern Territory 6(1):6

Shangri La mine, Kimberley, Western Australia 16(1):20

Spring Creek mine, Wilmington, South Australia 2(2):62

Starra Mine, Selwyn, Queensland 5(2):84-85f

Telfer gold mine, Western Australia 12(1):29-30f, 35f

Villecun, France 21(1):58f

Whim Creek mine, Western Australia 4(1):18-19f

Zaire 2(1):32W

Chrysoprase

Blue Speck Creek, Comet Vale 12(1):17f

Chrysotile

Tumut Serpentinite Province, New South Wales 7(1):6,9

Churchite-(Y)

Iron Monarch, South Australia 6(1):13

Cinnabar

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):38f

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):58

Jamieson mercury deposit, Victoria 9(1):36-37f

Lionsville, New South Wales 4(2):93

Pulganbar area, New South Wales 4(2):94f

Claringbullite

Great Australia mine, Queensland 1(1):25,26f

Clausthalite

Mount Lyell mines, Tasmania 21(2):30f

Clay minerals

Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):5f,6

Clinoatacamite

E26 orebody, Northparkes, New South Wales 10(2):54

Iron Monarch, South Australia 6(1):17-18

Telfer gold mine, Western Australia 12(1):35

Clinobisvanite

Iron Monarch, South Australia 6(1):13,17f

Yinnietharra, Western Australia 6(2):110, 112f

Clinochlore

Allandale, Hunter Valley, New South Wales 18(2):31

Iron Monarch, South Australia 6(1):13

Italy 21(1):64f

Mt Lightning Adit deposit, Coolac Serpentinite Belt, New South Wales 7(1):10f

Mount Lyell mines, Tasmania 21(2):23,30f

Tumut Serpentinite Province, New South Wales 7(1):6, 9

Clinochlore, chromian

Coobina, Pilbara Province, Western Australia 16(1):35-37EDSf

Mt Lightning Adit deposit, Coolac Serpentinite Belt, New South Wales 7(1):10f

Clinoclase

Desolation prospect, Mount Isa Block, Queensland 17(2):85,85f

Mt Cobalt, Queensland 1(2):19,22a

Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Clinoptilolite

Lake Taupo, New Zealand 19(2):37

Whitianga, Coromandel Peninsula, New Zealand 8(1):41W

Clinosafflorite

Alva, Scotland 1(1):31W

Clinozoisite

Lake Cooper quarry, Corop, Victoria 11(1):31f

Mount Lyell mines, Tasmania 21(2):30f

Cloncurryite

Great Australia mine, Cloncurry, Queensland 13(1):1f, 5-13afXRD; 21(2):41,

Columbite-group minerals

Barbara mine, Coolgardie, Western Australia 14(2):56

Cobaltaustinite

Dome Rock, South Australia 6(2):109f, 110

Mt Cobalt, Queensland 1(2):19,22a

Cobaltite

Mt Cobalt, Queensland 1(2):19

Wallaroo Mines, Kadina, South Australia 6(2):63f

Cobaltite-gersdorffite series

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):60,61f

Collinsite

Iron Monarch, South Australia 6(1):13-14,17f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24, 25f, 26, 29, 35

Spring Creek mine, Wilmington, South Australia 2(2):62

Coloradoite

The Golden Mile 18(1):11, 12, 13f

North Kalgurli Mine, Kalgoorlie, Western Australia 6(2):96f

Vatukoula gold mines, Viti Levu, Fiji 7(2):70

Colquiriite

Colquirii Mine, Bolivia 1(2):4

Columbite-tantalite group

Coolgardie pegmatite field, Western Australia 3(2):96-97,99f

Conichalcite

Desolation prospect, Mount Isa Block, Queensland 17(2):85

Kintore opencut, Broken Hill, New South Wales 3(1):58,60f
Mt Cobalt, Queensland 1(2):19, 20f, 22a
Mt Oxide, Queensland 2(1):6
Pinnacles mine dumps, Broken Hill, New South Wales 5(1):47W

Conichalcite?

Day Dream mine, Silverton, New South Wales 3(2):107

Connellite

B Tangye lode, Great Australia mine, Cloncurry, Queensland 9(1):40f
Block 14 opencut, Broken Hill, New South Wales 3(1):42,44f
Broken Hill, New South Wales 3(1):79f
Couta mine, near Temma, Tasmania 5(2):87W
Great Australia mine, Queensland 1(1):25,26f
Kintore opencut, Broken Hill, New South Wales 3(1):42
Massa Marittima, Italy 21(1):66f
Mt Isa, Queensland 7(1):36W
Mt Malvern mine near Clarendon, South Australia 5(1):9
New Cliffe Hill quarry, Leicestershire, England 11(1):21f
Spring Creek mine, Wilmington, South Australia 2(2):61f, 62-63
Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Connellite-buttenbachite

B Tangye lode, Great Australia mine, Cloncurry, Queensland 9(1):40f

“Conradite”

Webbs silver mine, Emmaville, New South Wales 4(2):75

Coombsite

Watsons Beach, southeast Otago 19(2):30

Copiapite

Teutonic Bore, Western Australia 2(1):26
Sunny Corner, New South Wales 17(1):49, 49f, 50

Copper

Aranga quarry, Hood Road, Aranga, New Zealand 3(2):127W; 19(2):8
BHP mine, Broken Hill, New South Wales 3(1):20f
Broken Hill, New South Wales 2(1):22f; 3(1):13f; 16(2):58f, 59f; 16(2):104f
Bundoora, Victoria 20(1):42, 42f
Burra Burra mine, South Australia 21(1):23f
CSA mine, Cobar, New South Wales 11(2):76f
Desolation prospect, Mount Isa Block, Queensland 17(2):85
E26 orebody, Northparkes, New South Wales 10(2):54
Girilambone mine, Nyngan, New South Wales 2(1):41W; 11(2):95f, 96
Great Australia mine, Cloncurry, Queensland 1(1):27; 4(1):40W; 5(2):79f
Great Cobar mine, Cobar, New South Wales 11(2):78f
Hall’s Peak deposit, near Armidale, New South Wales 4(2):113
Iodide mine, Mineral Hill field, New South Wales 11(2):111
Kintore opencut, Broken Hill, New South Wales 3(1):30,45f
Lake Superior, Michigan, USA 17(2):81f
Lake View gold mining lease, Comet Vale, Western Australia 12(1):13
Magpie mine, Queensland 4(1):40W
Mt Cobalt, Queensland 1(2):19
Mt Elliott mine, Selwyn, Queensland 7(2):81-82fW
Mt Isa, Queensland 2(2):76fW
Mt Lyell, Queenstown, Tasmania 6(2):76f; 21(2):24, 24f, 30f
Nifty copper mine, Western Australia 8(2):49f, 50
Northampton, Western Australia 18(1):43, 43f, 44f
Northparkes, New South Wales 4(1):7
Orieco mine, Scamander, Tasmania 2(1):40W
Pig and Whistle mine, Drake, New South Wales 4(2):113f
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Red Dome gold mine, Chillagoe, Queensland 2(1):41W

Rocklands mine, Cloncurry, Queensland 18(1):67W
Sandy Flat pipe, Redbank, Northern Territory 6(1):5-6f
Santa Rosalia, Mexico 21(1):47f
Spring Creek mine, Wilmington, South Australia 2(2):61f, 63,64f; 5(2):59
Sunny Corner, New South Wales 17(1):48
Telfer gold mine, Western Australia 12(1):35-36f
Triako Eastern pit, Mineral Hill field, New South Wales 11(2):111-113f
Tumut Serpentinite Province, New South Wales 7(1):6, 8
Wewak mine, Queensland 4(1):40W
Whim Creek mine, Western Australia 4(1):19

Copper in Cobaltian Calcite

Mashamba, Zaire 1(2):31W

Copper-palladium oxides

Round Hill, Broken Hill district, New South Wales 4(1):35f, 36a

Copper sulphides

Shangri La mine, Kimberley, Western Australia 16(1):20SEM

Corkite

Block 14 opencut, Broken Hill, New South Wales 3(1):63
Iodide mine, Mineral Hill field, New South Wales 11(2):111
Kintore opencut, Broken Hill, New South Wales 3(1):63f, 65f
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Red Lead mine, Dundas, Tasmania 12(2):80,84d
Whim Creek mine, Western Australia 4(1):20

Cornetite

Crusader mine, north-west Queensland 8(2):72,73f
Desolation prospect, Mount Isa Block, Queensland 17(2):85
Great Australia mine, Queensland 1(1):25-27f

Cornwallite, see also Pseudomalachite-cornwallite

Cornubite

Telfer gold mine, Western Australia 12(1):36f

Cornwallite

Kintore opencut, Broken Hill, New South Wales 3(1):60f
Telfer gold mine, Western Australia 12(1):36-37f

Coronadite

Braeside lead field, Pilbara, Western Australia 13(2):58
Broken Hill, New South Wales 7(2):86f
Kintore opencut, Broken Hill, New South Wales 3(1):31
MMM Ltd mine, Broken Hill, New South Wales 3(1):19f
Mt Malvern mine near Clarendon, South Australia 5(1):9
Mt Stewart, New South Wales 1(2):10-11f; 5(1):34f, 36f
No.2 workings, Mt Painter, South Australia 9(1):25f
Shangri La mine, Kimberley, Western Australia 16(1):20

Corundum

Harts Range, Northern Territory 7(1):36-37fW

Corundum variety sapphire

Anakie, Queensland 4(2):117f; 6(2):56f
Carapooee, Victoria 14(2):73-78afSEM
Glen Innes, New South Wales 4(2):117
Inverell, New South Wales 4(2):116, 117f; 6(2):56f
Kings Plains, New South Wales 4(2):116
Loch Roag, Isle of Lewis, Scotland 3(2):130W
Reddistone Creek, New South Wales 4(2):116
Tomahawk Creek, Anakie, Queensland 18(2):23, 24f

Cosalite

Allies Mine, Deepwater, New South Wales 4(2):83f,85
Kingsgate, New South Wales 7(2):86f; 14(1):21f

Costibite

Consols Lode, Broken Hill, New South Wales 6(2):110

Coussellite

Cleveland mine, Luina, Tasmania 15:21-24afXRD; 21(2):41, 41f

Covellite

Block Nine mine, Mineral Hill field, New South Wales 11(2):112

Braeside lead field, Pilbara, Western Australia 13(2):58

Girilambone copper deposits, New South Wales 11(2):96

Mount Lyell mines, Tasmania 21(2):24, 30f

Mt Malvern mine near Clarendon, South Australia 5(1):10

Mount Moliagul, Victoria 21(1): 42

Northparkes, New South Wales 4(1):7

Red Terror mine, Mineral Hill field, New South Wales 11(2):112

Cowlesite

Aranga quarry Northland, New Zealand 19(2):8

Awatere Valley, New Zealand 8(1):41W

Moonen Bay, Skye, Scotland 1(1):31W

Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):4, 5f, 6a LRS XRD

Waima River, New Zealand 3(2):127fW

Waipoua River, New Zealand 3(2):127W

Coquimbite

Sunny Corner, New South Wales 17(1):50

Crandallite

Kintore opencut, Broken Hill, New South Wales 3(1):46

Moculta, St. John's, Tom's and Penrice quarries, South Australia 17(1):10f, 14, 14f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24, 26, 27, 28f, 31, 32f, 33, 33f, 35

Spring Creek mine, Wilmington, South Australia 2(2):63f

Woodlands, Gascoyne region, Western Australia 14(1):27-36f

Creedite

Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Cristobalite

Mt Shadwell, Victoria 14(1):39f

Rollinsons quarry, near Malmsbury, Victoria 16(2):99

Crocidolite

Hamersley Basin, Pilbara, Western Australia 20(2):43, 43f

Crocoite

Adelaide mine, Dundas, Tasmania 2(1):39f, W; 5(2):53f, 87-88fW; 6(2):53f, 72f, 81f; 9(2):97f; 10(2):80,81f; 12(2):64-67f, 80a, 81f; 18(1):65, 65fW

Dundas, Tasmania 6(2):76f, 80f; 7(1):24f

Dundas Extended mine, Dundas, Tasmania 2(1):39f, W; 12(2):71-73f

Happy Jack mine, Comet Vale, Western Australia 12(1):15-16f

Heazlewood mine, Tasmania 12(2):80

Kapi mine, Dundas, Tasmania 6(2):73f; 12(2):73f, 80,81f

Kosminsky mine, Dundas, Tasmania 12(2):74f, 80, 87f

Magnet mine, Tasmania 1(1):11-12f; 12(2):80

Platt's Prospect, Dundas, Tasmania 12(2):74f, 80

Premiere Pocket, Adelaide mine, Dundas, Tasmania 12(1):44fW; 12(2):64f

Red Lead mine, Dundas, Tasmania 12(2):75f, 80a, 85f

Washington Hay mine, Tasmania 12(2):80

West Comet mine, Dundas, Tasmania 10(2):80W; 12(2):77f, 80

Whyte River mine, Tasmania 12(2):80

Cryptomelane

Kintore opencut, Broken Hill, New South Wales 3(1):31

Mt Stewart mine, Leadville, New South Wales 5(1):36-37

New England region, New South Wales 4(2):103

Sunny Corner, New South Wales 17(1):48

Temma, Tasmania 18(2):54W

Cubanite

CSA mine, Cobar, New South Wales 11(2):73f

Mount Lyell mines, Tasmania 21(2):30f

Cumengite

Broken Hill, New South Wales 3(1):80f

Mt Malvern mine near Clarendon, South Australia 5(1):10f

Pinnacles mine dumps, Broken Hill, New South Wales 5(1):47W

Cumingtonite, ferroan

Maynes mine, Trial Harbour, Tasmania 21(1):70W, 70f

Cuprite

Aranga quarry, Hood Road, Aranga, New Zealand 3(2):127W; 19(2):8

B Tangye lode, Great Australia mine, Cloncurry, Queensland 9(1):40f

Block 14 opencut, Broken Hill, New South Wales 3(1):33f

Braeside lead field, Pilbara, Western Australia 13(2):59

Broken Hill 3(1):13f, 80f

E26 orebody, Northparkes, New South Wales 10(2):55

Dolyhir quarry, Powys, Wales 11(1):23f

Girilambone copper deposits, New South Wales 11(2):96f

Great Australia mine, Cloncurry, Queensland 1(1):27; 3(2):125fW; 4(1):40W

Hall's Peak deposit, near Armidale, New South Wales 4(2):113

Iodide mine, Mineral Hill field, New South Wales 11(2):112f

Iron Monarch, South Australia 6(1):14

Kapunda, South Australia 6(2):65f

Kintore opencut, Broken Hill, New South Wales 3(1):34

Magpie mine, Queensland 4(1):40W

Mt Cobalt, Queensland 1(2):19f

Mount Lyell mines, Tasmania 21(2):24, 25f, 30f

Mt Malvern mine near Clarendon, South Australia 5(1):10, 11f

New Cliffe Hill quarry, Leicestershire, England 11(1):20f

New Cobar mine, Cobar, New South Wales 11(2):77

Nifty copper mine, Western Australia 8(2):49f, 50

Northampton, Western Australia 18(1):43

Northparkes, New South Wales 4(1):6

Orieco mine, Scamander, Tasmania 2(1):40W

Pig and Whistle Mine, Drake, New South Wales 4(2):113f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Red Dome gold mine, Chillagoe, Queensland 2(1):40f, 41W; 6(1):41fW

South mine, Broken Hill, New South Wales 9(2):99f

Spring Creek mine, Wilmington, South Australia 2(1):37f; 2(2):45f, 63-64f; 17(2):80f

Sunny Corner, New South Wales 17(1):48

Telfer gold mine, Western Australia 12(1):35f, 37

Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Triako Eastern pit, Mineral Hill field, New South Wales 11(2):112, 113f

Villecun, France 21(1):58f

Wewak mine, Queensland 4(1):40W

Whim Creek mine, Western Australia 4(1):20

Cuprite variety chalcotrichite

Crusader mine, Kajabbi, Queensland 5(2):84

Crusader mine, north-west Queensland 8(2):73f

Great Australia mine, Cloncurry, Queensland 3(2):125fW; 5(2):84f

Red Dome gold mine, Chillagoe, Queensland 2(1):41W

Sandy Flat pipe, Redbank, Northern Territory 6(1):6-7f

Starra Mine, Selwyn, Queensland 5(2):84-85f

Cuprocopiapite

Sunny Corner, New South Wales 17(1):49, 49f, 50

Cuprotungstite

Storeys Creek mine, Rossarden, Tasmania 9(1):48W; 21(2):80

Cyanotrichite

Mt Oxide, Queensland 2(1):6f

Cyrllovite

E26 orebody, Northparkes, New South Wales 10(2):55

Kintore opencut, Broken Hill, New South Wales 3(1):46, 48-49f

Lake Boga, Victoria 2(1):41W

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24, 25f,

Rixon's sandstone quarry, Campbells Creek, Victoria 13(2):65-70f

Tom's quarry, South Australia 17(1):10f, 15, 15f

Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Wycheproof, Victoria 1(2):5f; 2(2):49f

Danalite

Kara mine, Tasmania 4(1):40W

Danielsite

Coppin Pool, Western Australia 6(2):110

Datolite

Albion Park, New South Wales 19(1):35-43, 38XRD, 39f, 40f, 41f

Allandale, Hunter Valley, New South Wales 18(2):32, 32f, 33f

Bergen Hill, New Jersey, USA 16(1):12f

N'Chwaning II mine, Kalahari manganese field, South Africa 5(2):91-92fW; 7(1):41W

Davidbrownite-(NH₄)

Rowley Mine, Arizona, USA 20(1):60f, 61f

Davidite-(La)

Radium Hill, South Australia 6(2):110f

Deansmithite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Decrespignyite-(Y)

Paratoo copper mine, South Australia 8(2):80fW; 9(1):47fW; 21(2):42, 42f

Delafossite

Mount Lyell mines, Tasmania 21(2):30f

Mt Malvern mine near Clarendon, South Australia 5(1):10

Spring Creek mine, Wilmington, South Australia 2(2):66

Descloizite

Braeside lead field, Pilbara, Western Australia 13(2):59SEM

Cave Hill quarry, Lilydale, Victoria 13(2):79

Iron Monarch, South Australia 6(1):14

Shangri La mine, Kimberley, Western Australia 16(1):21-22SEM

Descloizite-mottramite

Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):59f

Moxom Well, Braeside lead field, Pilbara, Western Australia 13(2):59

Dewindtite

Mt Painter, South Australia 9(1):29d

Ranger No.3 deposit, Jabiru, Northern Territory 5(1):22, 24f

Diabolite

Mt Malvern mine near Clarendon, South Australia 5(1):10f

Diamond

Argyle AK1 mine, Kimberley, Western Australia 14(2):49f; 18(2):23, 24f

Bingara, New South Wales 4(2):115

Black Sands Creek, Beechworth, Victoria 3(2):89f

Cope's Creek, New South Wales 4(2):115

Copeton, New South Wales 4(2):115, 116f

Echunga, South Australia 6(2):65f; 20(1):23f

Dickite

Mount Lyell mines, Tasmania 21(2):30f

Digenite

Mount Lyell mines, Tasmania 21(2):30f

Northparkes, New South Wales 4(1):7

Diopside

Attunga, near Tamworth, New South Wales 4(2):99

Mt Elliott mine, Mt Isa, Queensland 5(2):87-88fW; 7(2):81-82fW

Tumut Serpentine Province, New South Wales 7(1):6,9

Yinnietharra Station, Gascoyne area, Western Australia 2(1):41W

Diopside, chromian

Cradle Mountain, Tasmania 5(1):47W

Diopside-hedenbergite

Kara Mine, Tasmania 7(1):37W

Dioptase

Tsumeb mine, Tsumeb, Namibia 21(1):47f

Dittmarite

Skipton Caves, Victoria 6(2):111

Djurleite

Great Australia mine, Cloncurry, Queensland 7(1):36fW; 7(2):47f

Mount Lyell mines, Tasmania 21(2):30f

Dolomite

Cleveland Mine, Luina, Tasmania 6(2):72f; 7(1):37W

Kintore open cut, Broken Hill, New South Wales 3(1):38

Magnet mine, Tasmania 1(1):12f

Manuka Zn-Pb-Ag deposits, Cobar Basin, New South Wales 18(2):10

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):60,61f

Mount Lyell mines, Tasmania 21(2):24, 25f, 30f

Mt Newman, Western Australia 2(1):41W

Nifty copper mine, Western Australia 8(2):50

Parkside Mine, Cumberland, England 6(2):81f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Prince Lyell mine, Mt Lyell, Queenstown, Tasmania 7(2):82,83fW

Shangri La mine, Kimberley, Western Australia 16(1):20

Renison Bell, Tasmania 2(1):39W

Roxby Downs, South Australia 2(1):40f, 41W

Walleroo Mines, Kadina, South Australia 16(2):57; 17(2):80f

Dolomite, ferroan

Jenolan Caves, New South Wales 5(1):47W

Domerockite

Dome Rock copper mine, Boolcoomatta Reserve, South Australia 21(2): 42, 42f

Donnayite-(Y)

Paratoo mine, South Australia 9(1):47fW

Dravite

May Downs, Queensland. 9(1):3f; 14(2):81-87af

St Dizier mine, between Zeehan and Corinna, Tasmania 4(1):40W

Tom's quarry, Kapunda, South Australia 17(1):28

Yinnietharra, Western Australia 6(2):97f

Dufrérite

Block 14 opencut, Broken Hill, New South Wales 3(1):46

Iron Monarch, South Australia 2(1):22f

Kintore opencut, Broken Hill, New South Wales 3(1):46,48f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24,

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Spring Creek mine, Wilmington, South Australia 5(2):59

Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Duftite

Kintore opencut, Broken Hill, New South Wales 3(1):55f, 58f, 61f

Mt Malvern mine near Clarendon, South Australia 5(1):11f

New Cobar mine, Cobar, New South Wales 11(2):79f

Duhamelite

Iron Monarch, South Australia 6(1):14-15f

Dumontite

Ranger No.3 deposit, Jabiru, Northern Territory 5(1):22,24f

Dundasite

Adelaide Proprietary mine, Dundas, Tasmania 6(2):111; 12(2):81f, 82a; 18(1): 65W, 65f
Dundas, Tasmania 6(2):112f

Hercules mine, near Rosebery, Tasmania 4(1):40W

Kapi mine, Dundas, Tasmania 6(2):73f 12(2):73f, 81f

Mt Read, Tasmania 12(2):82a

West Comet mine, Dundas, Tasmania 12(2):81

Dundasite-petterdite?

Happy Jack mine, Comet Vale, Western Australia 12(1):17

Dussertite

Telfer gold mine, Western Australia 12(1):37

Dypingite

Buckland mine, Mangana, Tasmania 9(1):48W

Dyscrasite

Magnet mine, Tasmania 1(1):12

Ecandrewsite

Melbourne Rockwell mine, Little Broken Hill, New South Wales 6(2):111

Eckermannite

Tomahawk River, north of Scottsdale, Tasmania 9(1):48W

Edgarbaileyite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Edenite

Waitakere Ranges, North Island, New Zealand 19(2):22

Edoyleite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Edscottite

Wedderburn meteorite, Victoria, Australia 20(1):60f, 67W, 20(2):46W; 21(2):42, 80

Edwardsite

Block 14 opencut, Broken Hill, New South Wales 16(1):47W, 47SEM; 21(2): 42, 43f

Eglestonite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Elbaiterubellite

Anjanabonoina, Madagascar 11(1):5f

Queen mine, Pala, California, USA 6(2):56f

Stewart Dyke, San Diego County, USA 11(1):5f

Elsmoreite

Elsmore tin deposit, Elsmore, New South Wales 13(1):51W; 21(1):43, 43f

'Embolite'

Adelaide mine, Dundas, Tasmania 2(1):39W

Emerald, see **Beryl** variety emerald

Empressite

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):70

Enargite

Mount Lyell mines, Tasmania 21(2):24, 30f

Endlichite

Magnet mine, Tasmania 1(1):12

Englishite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Enstatite

The Anakies volcanoes, Victoria 21(1):28,29f, 33f,

Derby, Tasmania 5(2):87W

Lake Taupo, New Zealand 19(2):35

Tumut Serpentinite Province, New South Wales 7(1):6

Eosphorite

Iron Monarch, South Australia 6(1):15f

St John's quarry, South Australia 17(1):10f, 15, 15f, 16f

Epididymite

Narssarssuk, Greenland 6(2):90f; 17(2) 61f

Zomba, Malawi 2(1):32W

Zomba Plateau, Malawi 4(1):42W

Epidote

Attunga, near Tamworth, New South Wales 4(2):98, 99

Calumet Mine, Salida, Colorado, USA 1(2):30W

Jamieson River, Victoria 2(2):51-54af

Kara Mine, Tasmania 7(1):37W

Mitchell Plateau, Western Australia 2(1):40f, 41W

Epistilbite

Sgurr nam Boc, Isle of Skye, Scotland 3(2):130W

Talisker Bay, Isle of Skye, Scotland 3(2):130W

Erionite

Waitakere Ranges, North Island, New Zealand 19(2):15

Erionite-Ca

Nietta, Tasmania 20(1):67W

Ernienickelite

Siberia complex, NW of Kalgoorlie, Western Australia 6(2):111

Erythrite

Bismuth mine, Torrington, New South Wales 4(2):113

Desolation prospect, Mount Isa Block, Queensland 17(2):85

Mt Cobalt, Queensland 1(2):19,20f; 21(1):51f

Olympic Dam mine, Roxby Downs, South Australia 5(1):47W

Ettringite

N'Chwaning II mine, Kalahari manganese field, South Africa 2(2):79W; 3(2):127W; 11(1):39-40fW

Wessels mine, Kalahari, South Africa 2(1):32W

Euclase

Giles Pegmatite, Spargoville, Western Australia 18(2):39-44, 41f, 42f, 43XRD, 44a

Evansite

Tom' quarry, Kapunda, South Australia 17(1):10f, 16

Ewingite

Plavno mine, Czech Republic 20(1):60f, 61f

Fairfieldite

Iron Monarch, South Australia 6(1):15

Faustite

Iron Monarch, South Australia 6(1):21-22f

Kintore opencut, Broken Hill, New South Wales 3(1):46

Fayalite, manganooan

Black and White mine, Danglemah, New South Wales 4(2):10

Felsöbányaite

Sunny Corner, New South Wales 17(1):49, 49f

Fe oxides

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):38

Ferberite

Rumsby's mine, The Gulf, Emmaville, New South Wales 18(2):26

Ferricopiapite

Sunny Corner, New South Wales 17(1):49, 49f, 50

Ferrimolybdate

Blue Hill quarry, Oberon, New South Wales 10(2):48f

Kingsgate, New South Wales 4(2):112f

Mount Moliagul, Victoria 18(2):54W, 54f

Ferritchromit, see Magnetite, chromian

Ferritungstite

Hall's Grampians, New South Wales 4(2):111

Torrington area, New South Wales 4(2):111

Ferroaluminoceladonite

Hokonui Hills, Southland, New Zealand 19(2):30

Ferroan calcite

Abbotsford and Bundoora, Victoria 20(1):31f, 33, 33f, 34f, 35f, 36f, 37f, 38f, 39f

Ferroaxinite

Ascot Hills, Victoria 11(1):32a

Colebrook Hill, Tasmania 6(2):80f

Dookie, Victoria 11(1):32a

Lake Cooper quarry, Corop, Victoria 11(1):27-33af

Ferroceladonite

Hokonui Hills, Southland, New Zealand 19(2):30, 30f

Ferrocolumbite

Giles Pegmatite, Spargoville, Western Australia 18(2); 40

Greens Well, Wodgina, Pilbara, Western Australia 6(2):111, 112f

Spargoville, Western Australia 2(1):2f; 3(2):96-97,98f; 69-6(2):90f, 98f;

Ferroholmquistite

Greenbushes pegmatite, Greenbushes, Western Australia 21(2):43

Ferrolaueite

Monmouth County, New Jersey, USA 16(2):69-76

Trutzhofmuhle aplite, Hagendorf pegmatite, Germany 16(2):77

White Cap Mine, Pennington Co., South Dakota 16(2):77, 78f

Ferromolybdate

Mount Moliagul, Victoria 21(1):42, 42f, 43f

Ferropyrosmalite

Pegmont deposit, Queensland 6(2):111

Ferrorhodonite

Broken Hill, New South Wales 18(1):65W, 65f; 21(2):44

Ferrosilite

Rollinsons quarry, near Malmsbury, Victoria 16(2):99, 99f

Ferrostrunzite

Monmouth County, New Jersey, USA 16(2):71f

Feruvite

Cuvier Island, off Coromandel Peninsula, New Zealand 19(2):31, 31f

Fervanite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Fibroferrite

Sunny Corner, New South Wales 17(1):49, 49f, 50

Fiemmite

San Lugano Pass, Carano, Italy 20(1):60f

Florencite-(Ce)

Mount Lyell mines, Tasmania 21(2):24, 30f

Fluellite

Tom's quarry, Kapunda, South Australia 17(1):10f, 16, 16f

Fluorapatite

Anchor mine, Lottah, Tasmania 2(1):40W

Lake Boga, Victoria 6(2):85f

Mount Lyell mines, Tasmania 21(2):26, 26f, 30f

Mt Elliott mine, Mt Isa, Queensland 5(2):87-88fW

No.2 workings, Mt Painter, South Australia 9(1):24

South Australian phosphate deposits 17(1):10f, 16-17,17f

Spring Creek mine, Wilmington, South Australia 5(2):57f, 60

Fluorapophyllite

Zinc Corporation mine, Broken Hill, New South Wales 3(1):20f; 16(2):103f

India 16(1):45f

Fluorite

Anchor mine, Lottah, Tasmania 2(1):40W

Bamford, Queensland 16(1):43f

Bundarra, New South Wales 9(2):100f

Cleveland mine, Luina, Tasmania 6(2):72f

Cumberland, England 16(1):10f; 16(2):61f

Day Dream mine, Silverton, New South Wales 3(2):107f

Ediacara, Flinders Ranges, South Australia 4(1):40W

Eldorado, Victoria 16(1):31

Erongo Mountain, Namibia 14(1):46-47f

Florence mine, Cumbria, England 6(2):72f

Frazer's Hush, North Pennines, England 1(1):30W

The Gulf, Emmaville, New South Wales 4(2):121

Hunan Province, China 9(1):48W

Kara Mine, Tasmania 7(1):37W

La Barre mine, near Pontgibaud, Puy-de-Dôme, France 3(2):129W

Madagascar 21(1):60f

Mt Elliott mine, Mt Isa, Queensland 5(2):87-88fW

Mount Lyell mines, Tasmania 21(2):26, 26f, 30f

Mt Stewart mine, Leadville, New South Wales 5(1):30

New Method mine, San Bernadino County, California 21(1):50f

Pella, Northern Cape Province, South Africa 11(1):39-40fW

Reid's Shaft, Hall's Grampians, New South Wales 4(2):98

Renison Bell, Tasmania 6(2):74f

Riemvasmaak, Northern Cape Province, South Africa 13(1):47fW

Rosignol vein, Chaillac, France 3(2):129W

Rumsby's mine, The Gulf, Emmaville, New South Wales 4(2):97f, 98; 8(1):40f; 18(2):23-26, 24f, 25f

Vergenoeg fluorite mine, Rust-de-Winter district, South Africa 11(1):41fW

Fluornatrocoulsellite

Luina, Tasmania 18(1):65W

Fluororichterite

Nullagine, Western Australia 1(2):36

Flurlite

Hagendorf Süd pegmatite, Bavaria 19(1):10XRD, 15, 15f

Foggite

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24, 26, 26f, 27f, 31, 33f, 35

Formanite-(Y)

Cooglegong, Pilbara, Western Australia 6(2):111

Fornacite

Whim Creek mine, Western Australia 4(1):20,21f

Fornacite-vauquelinite

Kintore opencut, Broken Hill, New South Wales 3(1):66,68f

Forsterite

Lake Taupo, New Zealand 19(2):35

Forsterite variety peridot

Gum Flat Road, Inverell, New South Wales 4(2):121

Foshagite

Eddy Creek quarry, Weld River, Tasmania 18(1):65W

Francevillite

Sleisbeck uranium deposit, Northern Territory 11(1):8f

Francisite

Iron Monarch, South Australia 2(1):22f; 6(2):112f, 113

Françoisite-(Ce)

La Creusaz uranium prospect near Les Marécottes, Valais 16(1):48W

Number 2 workings, Radium Ridge, near Arkaroola, South Australia 16(1):48W; 21(2):44, 44f

Francoisite-(Nd)

No.2 workings, Mt Painter, South Australia 9(1):24,25f

Franklinite

Franklin, New Jersey, USA 16(2):61f

Freibergite

Sunny Corner, New South Wales 17(1):46, 47

Froodite

Mulga Springs, Broken Hill district, New South Wales 4(1):36

Fukalite

Eddy Creek quarry, Weld River, Tasmania 18(1):65W

Gadolinite-(Y)

Ytterby, Sweden 16(7):7f

Gahnite

Hohenfels, near Otjiwarongo, Namibia 4(1):42W

Galena

Almanda mine, Cherry Gardens, South Australia 18(1):56

Blue Hill quarry, Oberon, New South Wales 10(2):49

Broken Hill, New South Wales 8(2):45f, 82; 16(2):105f

Cave Hill quarry, Lilydale, Victoria 13(2):76f, 78f, 80a

Cramford, Derbyshire, England 16(2):61f

Elandsrand gold mine, Witwatersrand, South Africa 4(1):42W

Goongewa mine, Fitzroy Crossing, Western Australia 2(2):76W; 4(1):41W

Jamieson mercury deposit, Victoria 9(1):36

Kintore opencut, Broken Hill, New South Wales 3(1):31

Lucknow, near Orange, New South Wales 6(1):30

Magnet mine, Tasmania 1(1):12

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24

Mount Lyell mines, Tasmania 21(2):26, 30f

Mt Malvern mine near Clarendon, South Australia 5(1):11

Mt Stewart mine, Leadville, New South Wales 5(1):30,31f

Northampton, Western Australia 6(2):96f; 18(1):43, 45f, 46f

Penny West gold mine, Youanmi, Western Australia 18(1):27, 26f

Pering mine, Kuruman, South Africa 2(2):79W

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Potter's mine, Condobolin, New South Wales 11(2):119f, 120

Red Dome mine, Chillagoe, Queensland 2(1):41W

Rosignol vein, Chaillac, France 3(2):129W

Sunny Corner, New South Wales 17(1):46, 47, 47f

Waratah ore body, Renison Bell, Tasmania 5(1):48fW

Wallaroo mines, Kadina, South Australia 17(2):65, 65f; 20(1):24f

Galenobismutite

Kingsgate, New South Wales 4(2):85; 14(1):20-23f

Galkhaite

Getchell mine, Humboldt County, Nevada, USA 2(2):78,80fW

Garnet, see **Almandine**, **Andradite**, **Grossular**, etc.

Gartrellite

Ashburton Downs, Western Australia 6(2):112f, 113; 13(1):35-37f

Kintore opencut, Broken Hill, New South Wales 3(1):58,61f

New Cobar mine, Cobar, New South Wales 11(2):80

Gaspéite

132 North mine, Widgiemooltha, Western Australia 6(2):98f

Gatehouseite

Iron Monarch, South Australia 6(2):112f, 113

Gaudefroyite

N'Chwaning II mine, Kalahari, South Africa 2(2):79W

Gearksutite

Cleveland mine, Luina, Tasmania 2(1):39W

Ge-beudantite

Tsumeb, Namibia 5(2):91-92fW

Gedrite/anthophyllite

Tumut Serpentine Province, New South Wales 7(1):6, 8

Gehlenite

Commercial quarry, Crestmore, Riverside County, California, USA 4(1):42W

“Haystack”, Shannon Tier, north of Bothwell, Tasmania 7(1):37W

Georgeite

Carr Boyd Ni-mine, Goongarrie, Western Australia 6(2):113, 114f

Lloyd mine, Burruga, New South Wales 16(1):39-40f

Gerhardtite

B Tangye lode, Great Australia mine, Cloncurry, Queensland 9(1):40f

Great Australia mine, Queensland 1(1):27

Monakoff Mine, Cloncurry, Queensland 4(1):40W

Gersdorffite

Bismuth, Torrington area, New South Wales 4(2):96f

Gianellaite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Gibbsite

Adelaide mine, Dundas, Tasmania 12(2):81,82f

Gillardite

132 North deposit, Widgiemooltha, Western Australia 13(1):15-18afXRD; 21(2):44, 44f

Gismondine

Aranga quarry, Hood Road, Aranga, New Zealand 3(2):127W, 19(2):8

Gismondine?

West Ridgley, Tasmania 10(2):65

Glass, volcanic

Mt Shadwell, Mortlake, Victoria 14(1):37-42af

Glaucosite

Monmouth County, New Jersey, USA 16(2):71f

Glaukosphaerite

Durkin shaft, Kambalda, Western Australia 6(2):113

Glendonite

Glendon Station, Hunter Valley, New South Wales 21(2):5-12,

Gmelinite series

Awatere Valley, New Zealand 8(1):41W

Bell Mount, Middlesex, Tasmania 10(2):65

Cape Grim, Tasmania 10(2):65

Flinders, Victoria 6(2):88f

Redpa, Tasmania 10(2):65f

Sheffield, Tasmania 10(2):65f

Gmelinite-Na

Redpa, Tasmania 10(2):63a

Gmelinite-chabazite

Cat Bay, Phillip Island, Victoria 2(1):37f

Gobbinsite

Bundoora, Victoria 20(1):42, 42f, 43f; 21(1):56f

Godlevskite

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):61a

Goethite

Almanda mine, Cherry Gardens, South Australia 18(1):56

Bedfordshire County, England 21(1):66f

Blue Hill quarry, Oberon, New South Wales 10(2):48f, 49

Braeside lead field, Pilbara, Western Australia 13(2):59

Broken Hill, New South Wales 7(2):86f

Dundas, Tasmania 12(2):81

Goanna Patch alluvial mining area, Western Australia 15:58

Jenolan Caves, New South Wales 5(1):47W
Kintore opencut, Broken Hill, New South Wales 3(1):53f, 62f
Magnet mine, Tasmania 1(1):12
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 22f, 26, 27
Mount Lyell mines, Tasmania 21(2):30f
Mount Moliagul, Victoria 21(1):42
Mt Elliott mine, Selwyn, Queensland 3(2):126W
Mt Malvern mine near Clarendon, South Australia 5(1):12
Mt Stewart mine, Leadville, New South Wales 5(1):35f, 37
New England region, New South Wales 4(2):103
Nifty copper mine, Western Australia 8(2):52f
No.2 workings, Mt Painter, South Australia 9(1):24, 28f, 30f
Peak Hill gold mine, New South Wales 15:49-50f
Proprietary mine, Broken Hill, New South Wales, 1(2):5f
Restormel iron mine, Lanlivery, Cornwall, England 16(1):10f
Rixon's sandstone quarry, Campbells Creek, Victoria 13(2):66-67f
Shangri La mine, Kimberley, Western Australia 16(1):21
Spring Creek mine, Wilmington, South Australia 2(2):64f, 66f
Sydney area, New South Wales 8(1):39
Tennant Creek, Northern Territory 21(1):64f
Tom's quarry, Kapunda, South Australia 17(1):28, 29f
Vergenoeg fluorite mine, Rust-de-Winter district, South Africa 11(1):41fW; 14(1):46f
Wave Hill area, Northern Territory 9(2):74
Whim Creek, Western Australia 4(1):20, 21f, 24-25f

Goethite after azurite

Peak Hill gold mine, New South Wales 15:48f

Goethite after pyrite

Blue Hill quarry, Oberon, New South Wales 10(2):48f, 49

N'Chwaning II mine, Kalahari manganese field, South Africa 9(1):49fW

Stonyfell Quarry, Mount Lofty Ranges, South Australia 16(2):59f

Goethite-hematite

Nifty copper mine, Western Australia 8(2):50-51f

Gold

6(2):73f

Aberfoyle River, New South Wales 4(2):99

Angepena gold field, Flinders Ranges, South Australia 15:44f

Back Creek Goldfield, Tasmania 20(1):67W, 67f

Barbara mine, Coolgardie, Western Australia 14(2):58

Boddington gold mine, Western Australia 3(2):120f

Booloroo, Flinders Ranges, South Australia 6(2):68f; 15:44f

Brusson, Aosta Valley, Italy 3(2):128f, 130W

Byles gold mine, Mongolata gold field, Mt Lofty Ranges, South Australia 15:42-43f

Coolgardie, Western Australia 5(2):87-88fW

Corkscrew Creek, Montacute, South Australia 15:39f

Creswick, Victoria 20(1):67W, 67f

Disentis, Grisons, Switzerland 3(2):130W

Eagles Nest mine, California, USA 1(2):30W

Eastern gold fields, Western Australia 16(1):1f

Echunga gold field, Mt Lofty Ranges, South Australia 15:41f

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):67f

Gladsome mine, Comet Vale, Western Australia 12(1):19

Goanna Patch alluvial mining area, Western Australia 15:53-60af

Happy Jack mine, Comet Vale, Western Australia 12(1):16-17

Hopes Nose, Torquay, England 1(1):30f, W

Inglewood, Victoria 1(2):29f, W

Joe's Gully, Tooloom, New South Wales 4(2):93

Jupiter Creek, Mylor, South Australia 17(2): 77f

Kintore Shaft dumps, Broken Hill, New South Wales 7(1):36-37f
Little Darling Creek, Broken Hill district, New South Wales 4(1):38
Loddon Valley, near Bridgewater, Victoria 6(2):85f
Loloma mine, Vatukoula, Viti Levu, Fiji 7(2):67
Lucknow, near Orange, New South Wales 6(1):27-29f
Maldon, Victoria 15:32a, 33f
Matlock, Victoria 6(2):88f
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24, 26,
Mt Crawford Forest fossicking area, Mt Lofty Ranges, South Australia 15:42f
Mt Kare, Papua New Guinea 1(1):32f
Mount Lyell mines, Tasmania 21(2):26, 26f, 30f
Mt Malcolm, Western Australia 6(2):96f
Mt Shamrock mine, Queensland 6(2):85f
Northparkes, New South Wales 4(1):8
Nundle, New South Wales 4(2):94f
Olympic Dam mine, Roxby Downs, South Australia 1(2):29fW; 15:44-45f
Pampa San José, Peru 21(1):46f
Peak Hill gold mine, New South Wales 15:50-51af
Penny West gold mine, Youanmi, Western Australia 18(1):27
Shangri La mine, Kimberley, Western Australia 16(1):20SEM, 21
Spring Creek mine, Wilmington, South Australia 2(2):66
Spring Gully, Mt Crawford Forest fossicking area, Mt Lofty Ranges, South Australia 15:42f
Teetulpa gold field, Olary Province, South Australia 15:43f
Telfer gold mine, Western Australia 12(1):38-39f
The Golden Mile 18(1):15-17, 15f, 16f, 17f, 18f, 19f
Tumut Serpentinite Province, New South Wales 7(1):6, 8
Victoria Gold mine, Montacute, South Australia 17(2):60f
Woodlands, Gascoyne region, Western Australia 14(1):27-36fSEM
Zoroastrian gold mine, Bardoc, Western Australia 6(2):88f

Gonnardite

Don Hill, Tasmania 10(2):65
Guildford, Tasmania 10(2):63a, 65
“Haystack”, Shannon Tier, north of Bothwell, Tasmania 7(1):37W
The Nut, Stanley, Tasmania 10(2):65,66f

Gonnardite/natrolite

Abbotsford and Bundoora, Victoria 20(1):44, 44f, 45f, 46f
Daylesford, Victoria 1(2):13f
Middlesex Plains, Tasmania 10(2):65f

‘Goongarrite’

Maher’s gold mining lease, Comet Vale, Western Australia 12(1):13-14df

Gorceixite

Iron Monarch, South Australia 6(1):16f
Mount Lyell mines, Tasmania 21(2):30f
Moculta, South Australia 17(1):10f, 17, 18f
Red Lead mine, Dundas, Tasmania 12(2):82,84d

Gordonite

Monmouth County, New Jersey, USA 16(2):74f
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 26, 27f,
Parwan, Victoria 13(1):26f
Penrice, Tom’s quarry, South Australia 17(1):10f, 17-18, 18f

Goslarite

Peelwood mine, Peelwood, New South Wales 13(1):42-43XRD

Goyazite

Peak Hill gold mine, New South Wales 15:51

Grandviewite

Grandview mine, Arizona, USA 14(2):51f, 52SEM, 53aXRD

Graphite

Kintore opencut, Broken Hill, New South Wales 3(1):30
MKD5 nickel deposit, Mt Keith, Western Australia 9(2):61
Northampton, Western Australia 18(1):43
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Sydney area, New South Wales 8(1):39
Undercliff, New South Wales 4(2):98

Greenockite

Radvanice, Czech Republic 1(2):31W
Woodlawn mine, New South Wales 21(1):54f

Greenockite/hawleyite

Magnet mine, Tasmania 1(1):13

Grimaldiite

Red Lead mine, Dundas, Tasmania 7(1):37fW; 12(2):82f

Grossular

Attunga, near Tamworth, New South Wales 4(2):99
MKD5 nickel deposit, Mt Keith, Western Australia 9(2):61
Sierra de Cruces, Coahuila, Mexico 1(1):34W
Tumut Serpentinite Province, New South Wales 7(1):6, 9

Grossular, chromian

Mt Lightning Adit deposit, Coolac Serpentinite Belt, New South Wales 7(1):10f

Grossular variety hessonite

Jeffrey mine, Asbestos, Quebec, Canada 11(1):38W

Grunerite

Iron Monarch, South Australia 6(1):15
Temma, Tasmania 18(2):54W

Gütermanite

Magnet mine, Tasmania 1(1):13d

Gummite

Mt Painter, South Australia 9(1):29d

Gypsum

Bendalong Point, Bendalong, New South Wales 7(2):52-53f
Block 14 opencut, Broken Hill, New South Wales 3(1):43
Broken Hill, New South Wales 3(1):80f; 16(2):105f
Fraser's mine, Southern Cross, Western Australia 6(2):98f
Goanna Patch alluvial mining area, Western Australia 15:59
Great Salt Plain near Jet, Alfalfa County, Oklahoma, USA 11(1):37f
Ica, Peru 9(1):7f
Jenolan Caves, New South Wales 5(1):47W
Khan River Valley, Namibia 3(2):128fW
Kimba, South Australia 9(1):48fW
Kintore opencut, Broken Hill, New South Wales 3(1):43
Lake Bumbunga, South Australia 11(1):36f
Lake Cowan near Norseman, Western Australia 11(1):36f
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 26
Mount Lyell mines, Tasmania 21(2):30f
Mount Moliagul, Victoria 21(1):43,
Mt Elliott mine, Selwyn, Queensland 3(2):126fW; 7(2):45f, 81fW
Mt Malvern mine near Clarendon, South Australia 5(1):12
Mt Stewart mine, Leadville, New South Wales 5(1):37
Northampton, Western Australia 18(1):44
Scarborough, Queensland 2(2):76W
Sinclair Gap Lake, Eyre Peninsula, South Australia 10(2):73, 74-76f, 77-78
Tom's quarry, Kapunda, South Australia 17(1):29
Wallaroo mines, Kadina, South Australia 17(2):79f
Whim Creek mine, Western Australia 4(1):24f
Womobi mine, northern Victoria 17(1):35

Gypsum variety selenite

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):61
Sand Queen mine, Comet Vale, Western Australia 12(1):20f
The Vugh, Sand Queen mine, Comet Vale, Western Australia 12(1):19f

Haggite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Halite

Ica, Peru 9(1):7f

Halotrichite-pickeringite

Kintore opencut, Broken Hill, New South Wales 3(1):43

Hanawaltite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Hannayite

Skipton Caves, Victoria 6(2):113f

Harmotome

Renison Bell, Tasmania 10(2):67a,68
Rosebery mine, Tasmania 9(1):48W; 10(2):69f

Hausmannite

Bendemeer 2 mine, New South Wales 4(2):103
Woods mine, New South Wales 15:15f
Black and White mine, Danglemah, New South Wales 4(2):103, 105f
Black Jack mine, New South Wales 4(2):103
Iron Monarch, South Australia 2(1):23f; 6(1):20-21f
N'Chwaning II mine, Kalahari manganese field, South Africa 2(2):79W; 3(2):127W; 5(2):91-92fW;
9(1):49W

Hawleyite see also Greenockite/hawleyite

Kintore opencut, Broken Hill, New South Wales 3(1):31, 33f

Heazlewoodite

Lord Brassey mine, Heazlewood, Tasmania 6(2):114f
MKD5 nickel deposit, Mt Keith, Western Australia 9(2):61-62
Tumut Serpentinite Province, New South Wales 7(1):6,8a, 9a

Hedenbergite, see also Diopside-hedenbergite

North mine, Broken Hill, New South Wales 3(1):19f
Broken Hill 16(2):103f

Hellyerite

Lord Brassey mine, Heazlewood, Tasmania 6(2):114f
21(1):52f, 53f

Helvite

Barbara mine, Coolgardie, Western Australia 14(2):56, 57fSEM-EDAX, 58SEM, 59-60

Hematite, see also Goethite-hematite

The Anakies volcanoes, Victoria 21(1):36, 36f
Braeside lead field, Pilbara, Western Australia 13(2):59
Florence mine, Cumbria, England 6(2):72f
Girilambone copper deposits, New South Wales 11(2):95f
Iron Monarch, South Australia 2(1):21-23f; 6(2):69f
Kalahari manganese field, South Africa 5(2):91W
Kelly mine, Dartmoor, Devonshire, England 14(1):14-17a
Magnet mine, Tasmania 1(1):13
Mina Huaquia, Bolivia 11 (1):38W
Mt Lyell, Tasmania 2(1):39W; 21(2):26, 27f, 28f, 30f
Mt Malvern mine near Clarendon, South Australia 5(1):12
Mt Newman, Western Australia 2(1):41W
Mt Oxide, Queensland 2(1):7f
Mt Stewart mine, Leadville, New South Wales 5(1):37
N'Chwaning II mine, Kalahari, South Africa 2(2):79W; 8(1):43W
Nifty copper mine, Western Australia 8(2):51f
Peak Hill gold mine, New South Wales 3(2):126W

Pella, Northern Cape Province, South Africa 11(1):39-40fW
Philosopher's Ridge, Queenstown, Tasmania 7(2):82,83fW
Rio Marina, Elba, Italy 16(1):6f
Shangri La mine, Kimberley, Western Australia 16(1):21
Spring Creek mine, Wilmington, South Australia 2(2):66
Temma, Tasmania 18(2):54W
Tennant Creek, Northern Territory 21(1):64f
Tom's quarry, Kapunda, South Australia 17(1):29
Tumut Serpentinite Province, New South Wales 7(1):6, 8
Wave Hill Station, Kalkarindji, Northern Territory 9(2):74f, 75, 79f
Wessels mine, Kalahari manganese field, South Africa 3(2):127W
Whim Creek mine, Western Australia 4(1):20

Hematite after pyrite

N'Chwaning II mine, Kalahari manganese field, South Africa 7(1):41W

Hemimorphite

Block 14 opencut, Broken Hill, New South Wales 3(1):31
Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):59-60f
Iron Monarch, South Australia 6(1):15
Kintore opencut, Broken Hill, New South Wales 3(1):31, 33f, 37f
Mt Stewart mine, Leadville, New South Wales 5(1):37
Shangri La mine, Kimberley, Western Australia 16(1):21f, 23f
Skorpion mine, Namibia 14(1):47f
Staitstep vein, Leadhills-Wanlockhead area, Scotland 1(1):31W

Henritermierite

Wessels mine, Kalahari manganese field, South Africa 5(2):91fW

Hentschelite

Great Australia mine, Cloncurry, Queensland 7(1):36fW
Spring Creek mine, Wilmington, South Australia 2(2):65f, 66f

Herbertsmithite

Nangaroo mine, Murrin Murrin, Western Australia 18(1):67W, 67f

Herschelite

Melbourne basalts, Victoria 20(1):30D

Hessite

The Golden Mile 18(1):14
Mount Lyell mines, Tasmania 21(2):30f
Vatukoula gold mines, Viti Levu, Fiji 7(2):69

Hessonite, see Grossular variety hessonite

Heterogenite

Mt Cobalt, Queensland 1(2):22

Heterogenite-3R

Desolation prospect, Mount Isa Block, Queensland 17(2):85

Heulandite series

Allandale, Hunter Valley, New South Wales 18(2):32, 33f, 36a
Deccan Traps, India 16(1):42f
Guildford, Tasmania 10(2):66
Kanahooka, Illawarra district, New South Wales 2(2):72-73f, 74a
Sgurr nam Boc, Isle of Skye, Scotland 1(1):31W; 3(2):130W
Sahyadri Mountains, Bombay, India 16(1):11f
Sheffield, Tasmania 10(2):66
Waitakere Ranges, North Island, New Zealand 19(2):15
Waratah, Tasmania 10(2):66
Whitianga, Coromandel Peninsula, New Zealand 8(1):41W

Hexahydrite

Peelwood mine, Peelwood, New South Wales 13(1):43-44XRD
Teutonic Bore, Western Australia 2(1):26

Hidalgoite

Kintore opencut, Broken Hill, New South Wales 3(1):61f,63

Red Lead mine, Dundas, Tasmania 12(2):82,84d

Hilgardite-1

Boulby mine, Cleveland, England 1(1):31W

Hillebrandite

Eddy Creek quarry, Weld River, Tasmania 18(1):65W

Hillite

Reaphook Hill, Martins Well, Flinders Ranges, South Australia 21(2):44, 44f

Hinsdalite

Block 14 opencut, Broken Hill, New South Wales 3(1):56f, 66

Comet mine, Dundas, Tasmania 12(2):82

Kintore opencut, Broken Hill, New South Wales 3(1):66,68f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

West Comet mine, Dundas, Tasmania 12(2):82f

Hodgesmithite

Broken Hill, New South Wales 18(1):65W; 21(2):45, 45f

Hoganite

Potosi mine, Broken Hill, New South Wales 8(2):80-81fW; 21(2):45,

Högbomite-8H

Johannsen's mine, Strangways Range, Northern Territory 6(2):114

Hohmannite

Sunny Corner, New South Wales 17(1):49, 49f, 50

Holtite

Greenbushes, Western Australia 6(2):114f, 115

Honeaité

Karonie mine, Mount Monger Goldfield, Western Australia 18(1):67W; 21(2):45,

Hopeite

Kintore opencut, Broken Hill, New South Wales 3(1):46

Hornblende

Kara mine, Tasmania 7(1):37W

Lake Taupo, New Zealand 19(2):37, 36f

Mary Kathleen, Mt Isa district, Queensland 2(2):76W

Scotland 16(1):7f

Hübnerite

Mount Moliagul, Victoria 21(1):43,

Quiruvilca, Peru 7(1):24f

Torrington area, New South Wales 4(2):78f

Humboldtine

Undercliff, New South Wales 4(2):98

Huntite

Jenolan Caves, New South Wales 5(1):47W

Hyalite, see **Opal** variety hyalite

Huttonite

Gillespies Beach, South Westland, New Zealand 19(2):31

Hydrocerussite

Avondale mine, Northern Flinders Ranges, South Australia 18(1):68W

Kintore opencut, Broken Hill, New South Wales 3(1):38

Hydrogrossular

Tumut Serpentinite Province, New South Wales 7(1):6, 9

Hydrohonessite

Otter Shoot Ni-mine, Kambalda, Western Australia 6(2):115f

Hydromagnesite

Jenolan Caves, New South Wales 5(1):47W

Lucknow, near Orange, New South Wales 6(1):27,28f

Quilter's mine, Coolac Serpentinite Belt, New South Wales 7(1):11f

Trial Harbour, near Zeehan, Tasmania 5(2):87W

Tumut Serpentinite Province, New South Wales 7(1):6, 10

Hydroniumjarosite

Sunny Corner, New South Wales 17(1):49

Hydrotalcite

Lucknow, near Orange, New South Wales 6(1):27,28f

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):67

Hydroxyapophyllite

N'Chwaning II mine, Kalahari manganese field, South Africa 7(1):40-41fW; 9(1):49W

Perseverance nickel mine (formerly Agnew deposit), Western Australia 11(1):25f

Wessels mine, Kalahari, South Africa 2(1):32W

Hydroxycalcioromeite

Inglewood, Victoria 17(2):89, 89f

Hydroxylapatite

Fairview deposit, South Australia 17(1):10f, 18

Jenolan Caves, New South Wales 5(1):47W

Krui Valley, Merriwa, New South Wales 8(2):64,65f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 24, 26, 27f, 28f, 30f, 35

Nifty copper mine, Western Australia 8(2):50,51f

Willy Wally Gully near Merriwa, New South Wales 16 (2):81, 81f

Hydrozincite

Block 14 opencut, Broken Hill, New South Wales 3(1):38

Broken Hill, New South Wales 3(1):80

Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):60-61f

Kintore opencut, Broken Hill, New South Wales 3(1):38

Mt Malvern mine near Clarendon, South Australia 5(1):12

Northampton, Western Australia 18(1):44

Wet Weather quarry, Crestmore, Riverside County, California, USA 4(1):42W

Hylbrownite

Dome Rock copper mine, Boolcoomatta Reserve, South Australia 21(2):45, 45f

Ikaite

World-wide distribution 21(2):9-11, 10f

Ikunolite, plumbian

Sachs mine, Kingsgate, New South Wales 4(2):84

Wolfram pipe, Kingsgate, New South Wales 14(1):20f, 21, 22a

Ilesite

Womobi mine, northern Victoria 17(1): 35,36f

Illite

Kintore opencut, Broken Hill, New South Wales 3(1):31

Nifty copper mine, Western Australia 8(2):50

Ilmenite

Bundoora, Victoria 20(1):46, 47f; 21(1):61f

Lake Taupo, New Zealand 19(2):36

Rollinsons quarry, near Malmsbury, Victoria 16(2):99, 100, 100f

Ilvaite

Mt Stewart mine, Leadville, New South Wales 5(1):30-31

Inesite

N'Chwaning II mine, Kalahari, South Africa 2(2):79,80fW; 7(1):41W

Zinc Corporation mine, Broken Hill, New South Wales 3(1):17f; 16(2):103f

Iodargyrite

Almanda mine, Cherry Gardens, South Australia 18(1):56, 59f

Block 14 opencut, Broken Hill, New South Wales 3(1):34

Broken Hill, New South Wales 3(1):12f

Kintore opencut, Broken Hill, New South Wales 3(1):34,36f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 26,

Mt Malvern mine near Clarendon, South Australia 5(1):12

Telfer gold mine, Western Australia 12(1):39

Iowaite

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):65f, 66

Mt Keith mine, Western Australia 7(2):83fW

Iowaite-pyroaurite series

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):66f

Irarsite

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):61

Iridosmine, see Osmium, iridian

Ixiolite

Barbara mine, Coolgardie, Western Australia 14(2):58

Jacobsite

Black and White mine, Danglemah, New South Wales 4(2):103

Mt Sally mine, New South Wales 4(2):103

Weabonga, New South Wales 4(2):103

Jahnsite-(CaFeMg)

Tom's quarry, Kapunda, South Australia 18(1):67W; 21(2):46, 46f

Jahnsite-(CaMnMn)

Iron Monarch, South Australia 6(1):15-16

Jahnsite-(NaFeMg)

Tom's quarry, Kapunda, South Australia 17(1):10f, 18, 19f

Jahnsite-(NaMnMg)

White Rock No. 2 quarry, Bimbowrie Conservation Park, South Australia 20(1):65W; 21(2):46, 46f

Jahnsite-(NaMnMn)

Wiperaminga Hill West quarry, Boolcoomatta Reserve, South Australia 21(2):46, 46f

Jamesonite

Magnet mine, Tasmania 1(1):13

Jarosite, see also Natrojarosite

Alminda mine, Cherry Gardens, South Australia 18(1):56

Blue Hill quarry, Oberon, New South Wales 10(2):48f, 49

Broken Hill, New South Wales 3(1):80

Lunatic goldfield, Drake, New South Wales 6(1):42W

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 26

Mount Lyell mines, Tasmania 21(2):30f

Mount Moliagul, Victoria 21(1):43,

Moxom Well, Braeside lead field, Pilbara, Western Australia 13(2):60

Mt Malvern mine near Clarendon, South Australia 5(1):12

Mt Oxide, Queensland 2(1):7

Northparkes, New South Wales 4(1):7

Peak Hill gold mine, New South Wales 15:49

Spring Creek mine, Wilmington, South Australia 2(2):66

Tom's quarry, Kapunda, South Australia 17(1):29

Jarosite-natrojarosite see also Natrojarosite-jarosite

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Northampton, Western Australia 18(1):44

Jennite

Commercial quarry, Crestmore, Riverside County, California, USA 4(1):42W

Jeppeite

Walgidee Hills, Kimberley, Western Australia 6(2):115f

Jeremejevite

Erongo Mountain, Namibia 7(1):41W

Johannsenite

Woods mine, New South Wales 15:15f, 16a

Jokokuite

Womobi mine, northern Victoria 17(1):35, 36f

Jonassonite

Maldon, Victoria 15:33-35af

Johntomaite

Spring Creek mine, Wilmington, South Australia 5(2):57f; 6(2):115

Joséite- α and β

Kingsgate, New South Wales 4(2):84; 14(1):20-22af

Maldon, Victoria 15:33-34af

Sunrise mine, Bolivia, New South Wales 4(2):84

Junitoite

Christmas mine, Gila County, Arizona 21(1):48f

Junoite

Juno mine, Tennant Creek, Northern Territory 6(2):115

Jurbanite

Sunny Corner, New South Wales 17(1):49, 49f, 50

Kalgoorlieite

Kalgoorlie, Western Australia 18(1):67W; 21(2):46,

Kambaldaite

Otter Shoot Ni-mine, Kambalda, and Western Australia 6(2):115f

Kamphaugite-(Y)

Paratoo mine, South Australia 9(1):47fW

Kaolinite

Kintore opencut, Broken Hill, New South Wales 3(1):31

Mount Lyell mines, Tasmania 21(2):30f

Mt Stewart mine, Leadville, New South Wales 5(1):37

Nifty copper mine, Western Australia 8(2):50

Northparkes, New South Wales 4(1):7

Whim Creek mine, Western Australia 4(1):20, 24f

Woodlands, Gascoyne region, Western Australia 14(1):32

Kankite

Storeys Creek mine, Rossarden, Tasmania 21(2):80

Kapundaite

Tom's quarry, Kapunda, South Australia 16(1):48W; 17(1):10f, 18-19. 19f; 21(2):47, 47f

Karpatite

Numero Uno mine, New Idria, San Benito County, California, USA 3(2):131W

Picacho mine, New Idria, San Benito County, California, USA 3(2):131W

Kasolite

British Empire mine, Arkaroola 8(2):75-79f

Kayrobertsonite

Hagendorf Süd pegmatite, Bavaria 19(1):8, 10XRD

Kazakhstanite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Kermesite

Hillgrove, New South Wales 4(2):112

Rivertree, near Drake, New South Wales 4(2):112, 113f

Kidwellite

Kintore opencut, Broken Hill, New South Wales 3(1):46f, 48f

Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Kimrobinsonite

Mt Holland, Western Australia 6(2):116

Kingite

Fairview mine, Robertstown, South Australia 6(2):116f

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Tom's quarry, Kapunda, South Australia 10f, 19

Kingsgateite

Old 25 Pipe bismuth-molybdenum mine, Kingsgate, New South Wales 21(2):47, 47f

Kinoite

Christmas mine, Gila County, Arizona 21(1):48f

Kintoreite

Block 14 opencut, Broken Hill, New South Wales 3(1):46-48

Iron Monarch, South Australia 6(1):16f

Kintore opencut, Broken Hill, New South Wales 1(2):36f; 3(1):46-48f; 6(2):116,118f

Kipushite

Block 14 opencut, Broken Hill, New South Wales 3(1):47,49f

Kleberite

Murray Basin mineral sands deposits, New South Wales and Victoria 21(2): 48, 48f

Kleemanite

Iron Monarch, South Australia 6(2):116

Kintore opencut, Broken Hill, New South Wales 3(1):47,49f

Knebelite, see **Fayalite, manganooan**

Kobellite

Wolfram pipe, Kingsgate, New South Wales 14(1):20-24afSEM

Koehlinite

Elsmore, New South Wales 7(1):15; 8(2):57f

Pittong, Victoria 7(2):77f, 78EDSf, 79f

Kolbeckite

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):71; 17(2):91-93, 91f, 92f

Kolitschite

Kintore opencut, Broken Hill, New South Wales 14(2):63, 64aXRD, 65fSEM, 66-67; 21(2):48, 48f

Kosnarite

Wycheproof, Victoria 1(2):5f, 6

Kostovite

The Golden Mile 18(1):14,14f

Köttigite

Magnet mine, Tasmania 1(1):13

Penguin Silver mine, Tasmania 20(1):67W

Pinnacles mine dumps, Broken Hill, New South Wales 5(2):87W

Kozulite

Wood's mine, near Bendemeer, New South Wales 4(2):103, 104f

Krennerite

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):70

The Golden Mile 18(1)13, 13f

K-rich feldspar

Goanna Patch alluvial mining area, Western Australia 15:59

K-rich feldspar variety adularia

Prehnite deposit, Mullaley, New South Wales 15:7-9f

Krinovite

Youndegin Meteorite – Youndegin, Avon, Western Australia 6(2):128

Kröhnkite

Broken Hill, New South Wales 1(2):36;3(1):43

Ktenasite

Block 14 opencut, Broken Hill, New South Wales 3(1):43

Broken Hill, New South Wales 3(1):80

Kintore opencut, Broken Hill, New South Wales 3(1):43,44f; 14(2):61f

Kuksite

Blue Bell claims, San Bernardino County, California, USA 3(2):130W

Kummerite

Hagendorf Süd pegmatite, Bavaria 19(1):10XRD, 11, 11f, 12f

Kunatite

Huber open pit, Krásno, Czech Republic 14(1):3-12af LRS SEM XRD

Lake Boga, Victoria 14(1):3-12af LRS XRD; 21(2):48, 49f

Kutnohorite

N'Chwaning II mine, Kalahari manganese field, South Africa 7(1):41fW

Wessels mine, Kalahari manganese field, South Africa 5(2):91-92fW

Labradorite

Hogarth Range, New South Wales 4(2):121

Lakebogaite

Lake Boga, Victoria 14(2):62W; 21(2):49, 49f, 80, 81f

Lanarkite

Broken Hill, New South Wales 3(1):80f

Langite

Kintore opencut, Broken Hill, New South Wales 3(1):43

Mt Malvern mine near Clarendon, South Australia 5(1):12

Laueite

Monmouth County, New Jersey, USA 16(2):74f

Laumontite

Allandale, Hunter Valley, New South Wales 18(2):32,33f

Hampshire silver mine, Tasmania 10(2):68

Poona, India 9(1):4f

Shepherd and Murphy mine, Moina, Tasmania 10(2):68,69f

Laurionite

Avondale mine, North Flinders Ranges, South Australia 18(1):88W

Lavendulan

Mt Cobalt, Queensland 1(2):20f, 22a

Mt Malvern mine near Clarendon, South Australia 5(1):11f, 12

Olympic Dam mine, Roxby Downs, South Australia 5(1):47W

Lazaraskeite

Pusch Ridge, Santa Catalina Mountains, Arizona, USA 20(1):60f

Lead

Comet mine, Dundas, Tasmania 12(2):83

Cooringoora Range, near Bingara, New South Wales 4(2):99

Peel River, Hanging Rock, Nundle, New South Wales 4(2):99

Lead oxycarbonate, see Shannonite

Leadhillite

Broken Hill, New South Wales 3(1):80f

Kintore opencut, Broken Hill, New South Wales 3(1):38,40f

Magnet mine, Tasmania 1(1):13d

Legrandite

Mapimi, Mexico 7(1):24f

Leószilárdite

Markey mine, Utah, USA 20(1):60f, 61f

Lepidocrocite

Magnet mine, Tasmania 1(1):13

Tom's quarry, Kapunda, South Australia 17(1):29, 29f

Lepidolite

Barbara mine, Coolgardie, Western Australia 14(2):58

Coolgardie pegmatite field, Western Australia 3(2):97-98

Londonderry, Western Australia 3(2):98, 100f

Tantalite Hill, Western Australia 3(2):98, 100f

Leucophoenicite

N'Chwaning II mine, Kalahari, South Africa 2(1):32fW

Leucophosphite

E26 orebody, Northparkes, New South Wales 10(2):55

Gunheath pit, Stenalees, Cornwall, England 11(1):14f

Kintore opencut, Broken Hill, New South Wales 3(1):47, 48-49f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 25f, 26, 27f, 28f, 35

Mt Oxide, Queensland 2(1):7-8f, 10a

Ninghanboun Hills, Weelhamby Lake, Western Australia 6(2):116

Pinnacles mine dumps, Broken Hill, New South Wales 4(1):40W

Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Tom's, Moculta and St John's quarries, South Australia 17(1):10f, 19, 20f

Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Levyne series

Aranga quarry, Hood Road, Aranga, New Zealand 3(2):127W; 19(2):8

Awatere Valley, New Zealand 8(1):41W

Ben Lomond quarry, New South Wales 4(2):129

Borambil, New South Wales 2(1):14-16f, 20a

Don Hill, Tasmania 9(1):48W

Gads Hill, near Moina, Tasmania 10(2):66

Leith, Tasmania 9(1):48W

Levyne-Ca

Krui Valley, Merriwa, New South Wales 8(2):62a, 64, 65-66f

Willy Wally Gully near Merriwa, New South Wales 16(2):82, 82f

Libethenite

Block 14 opencut, Broken Hill, New South Wales 3(1):47, 50,52f

Broken Hill, New South Wales 21(1):63f

Cargo, New South Wales 10(2):79fW

Crusader mine, north-west Queensland 8(2):73

Desolation prospect, Mount Isa Block, Queensland 17(2):85

E26 orebody, Northparkes, New South Wales 10(2):55f

Girilambone copper deposits, New South Wales 11(2):96f, 97

Great Australia mine, Queensland 1(1):27

Kintore opencut, Broken Hill, New South Wales 3(1):47, 50

Mt Oxide, Queensland 2(1):6-8f, 9

Northparkes, New South Wales 4(1):4

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 4(1):40W

Ranger No.1 deposit, Jabiru, Northern Territory 5(1):22-23

Sandy Flat pipe, Redbank, Northern Territory 6(1):6-7f

Snowstorm mine, Battle Mountain, Nevada, USA 2(2):78W

Spring Creek mine, Wilmington, South Australia 2(2):65f, 66, 67f

Libethenite, *zincian*

Snowstorm mine, Battle Mountain, Nevada, USA 2(2):78W

Likasite

Great Australia mine, Queensland 5(2):59-60

Spring Creek mine, Wilmington, South Australia 5(2):59-60,61f

Limonite

Mapimi, Mexico 7(1):24f

Mt Evelyn, Northern Territory 7(1):23f

Limonite *after pyrite*

7(1):25f

Linarite

Block 14 opencut, Broken Hill, New South Wales 3(1):43,44f

Broken Hill, New South Wales 3(1):81f; 21(1):63f

Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):60f

Hercules mine, near Rosebery, Tasmania 4(1):40W

Iron Monarch, South Australia 6(1):16

Kapi mine, Dundas, Tasmania 7(1):36W; 12(2):83

Kintore opencut, Broken Hill, New South Wales 3(1):43

Koongalin Hill, Braeside lead field, Pilbara, Western Australia 13(2):60

Mount Lyell mines, Tasmania 21(2):30f

Mt Malvern mine near Clarendon, South Australia 5(1):12

Northampton, Western Australia 18(1):44

Penberthy Croft mine, Cornwall, England 1(1):30W

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 4(1):40W

Shangri La mine, Kimberley, Western Australia 16(1):18-19f, 21

Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Wet Weather quarry, Crestmore, Riverside County, California, USA 4(1):42W

Linnaeite

Mount Lyell mines, Tasmania 21(2):30f

Lipscombite

Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Liroconite

Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Lithiomarsturite

Woods mine, New South Wales 15:18-19

Lithiophorite

Dundas, Tasmania 12(2):83

Red Lead mine, Dundas, Tasmania 12(2):86a

Rixon's sandstone quarry, Campbells Creek, Victoria 13(2):67

Litidionite

Snowstorm mine, Battle Mountain, Nevada, USA 2(2):78W

Liversidgeite

Block 14 opencut, Broken Hill, New South Wales 16(1):48w, 48SEM; 21(2):49, 49f

Lizardite

Lucknow, near Orange, New South Wales 6(1):27,28f

Mt Keith mine, Western Australia 7(2):83fW

N'Chwaning II mine, Kalahari, South Africa 2(2):79W

Tumut Serpentinite Province, New South Wales 7(1):6, 9

Löllingite

Almanda mine, Cherry Gardens, South Australia 18(1):56

Loveringite

Jimberlana intrusion, Norseman, Western Australia 6(2):116

Lucasite-(Ce)

Argyle AK1 diamond mine, Kimberley, Western Australia 6(2):117

Ludlamite

Wheal Jane, Cornwall, England 1(1):30W

Luinaite-(OH)

Mount Cleveland mine, Luina, Heazlewood, Tasmania 21(2):50, 50f

Mcguinnessite

Mt Isa, Queensland 8(2):81fW

Macphersonite

Leadhills-Wanlockhead area, Scotland 1(1):31

Machiite

Murchison, near Shepparton, Victoria 18(1):65; 21(2):50

Magnesiobermanite

White Rock No. 2 quarry, Bimbowrie Conservation Park, South Australia 20(1):65W; 21(2):50, 50f

Magnesio-foitite

Mount Lyell mines, Tasmania 21(2):26, 30f

Magnesite

Abbotsford, Victoria 20(1):46

Boulby mine, Cleveland, England 1(1):31W

Franklin Harbour, South Australia 20(1):19f

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):62f

Namibia 4(1):42W

Tumut Serpentinite Province, New South Wales 7(1):6, 10, 11f

Windhoek-Rehoboth area, Namibia 5(2):91W

Magnetite

Kara mine, Tasmania 7(1):37W

Lucknow, near Orange, New South Wales 6(1):28-29f, 30

Lake Taupo, New Zealand 19(2):36, 36f

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):62,64f

Mount Lyell mines, Tasmania 21(2):28, 30f

Mt Phillips Station, Gascoyne area, Western Australia 2(1):41W

Mt Stewart mine, Leadville, New South Wales 5(1):31

Rollinsons quarry, near Malmsbury, Victoria 16(2):100

Temma, Tasmania 18(2):54W

Tumut Serpentinite Province, New South Wales 7(1):6, 8

Magnetite, chromian

Tumut Serpentinite Province, New South Wales 7(1):6, 8

Magnetite, maghemite

Heemskirk area, Tasmania 21(1):69W, 70f

Magnetite, titanian

The Anakies volcanoes, Victoria 21(1):32, 36f

Magnetoplumbite

Långban, Sweden 1(2):4f

Majorite

Coorara Meteorite – Rawlinna, Eucla, Western Australia 6(2):128

Malachite

Almanda mine, Cherry Gardens, South Australia 18(1):56

Aranga quarry, Hood Road, Aranga, New Zealand 3(2):127W

Block Nine mine, Mineral Hill field, New South Wales 11(2):112

Block 14 opencut, Broken Hill, New South Wales 3(1):38

Braeside lead field, Pilbara, Western Australia 13(2):60

Broken Hill, New South Wales 3(1):12f, 15f, 82; 16(2):104

Brown's Prospect, Rum Jungle, Northern Territory 6(2):89f; 7(1):22f

Burra Burra mine, South Australia 6(2):65f; 20(1):21f, 23f, 26f

Cave Hill quarry, Lilydale, Victoria 13(2):76-77f

Crusader mine, north-west Queensland 8(2):73f

Day Dream mine, Silverton, New South Wales 3(2):107, 109f

Desolation prospect, Mount Isa Block, Queensland 17(2):85

E26 orebody, Northparkes, New South Wales 10(2):55

Girilambone copper deposits, New South Wales 11(2):92-93f, 97-98f

Goanna Patch alluvial mining area, Western Australia 15:59

Great Australia mine, Queensland 1(1):27

Great Cobar mine, Cobar, New South Wales 6(2):56f; 11(2):76f

Iodide mine, Mineral Hill field, New South Wales 11(2):112

Hall's Peak deposit, near Armidale, New South Wales 4(2):113

Horseshoe deposit, Duck Creek area, Queensland 3(2):125W

Kintore opencut, Broken Hill, New South Wales 3(1):38

Lake Boga, Victoria 2(2):49f

Mt Cobalt, Queensland 1(2):20f, 22

Mt Isa, Queensland 7(1):36W

Mount Lyell mines, Tasmania 21(2):26, 27f, 30f

Mt Malvern mine near Clarendon, South Australia 5(1):12

Mt Oxide, Queensland 2(1):9

New Dollar deposit, Duck Creek area, Queensland 3(2):125W

Nifty copper mine, Western Australia 8(2):50-51f

Northampton, Western Australia 18(1):44

Northparkes, New South Wales 4(1):5-6

Orieco mine, Scamander, Tasmania 2(1):40W

Paratoo mine, South Australia 9(1):47fW

Peak Downs, Queensland 7(2):87f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Red Dome gold mine, Chillagoe, Queensland 2(1):40f, 41W

Sandy Flat pipe, Redbank, Northern Territory 6(1):6-7f

Shangri La mine, Kimberley, Western Australia 16(1):18-20f, 21

Spring Creek mine, Wilmington, South Australia 2(2):65f, 67

Telfer gold mine, Western Australia 12(1):35f, 39

Triako Eastern pit, Mineral Hill field, New South Wales 11(2):108f, 112-113f

Whim Creek mine, Western Australia 4(1):18-19f, 20, 21f, 24-25f; 6(2):99f

Woodlawn mine, New South Wales 21(1):51f

Zaire 2(1):32W; 7(1):22f

Malachite after azurite

Nifty copper mine, Western Australia 8(2):52f

Malachite *after cuprite*

Copper King mine, Puttapa, South Australia 8(1):40

Maldonite

Maldon, Victoria 15:25-38af

Nuggetty Reef, Maldon, Victoria 6(2):117

Sachs mine, Kingsgate, New South Wales 4(2):84,93

Mallardite

Zinc Corporation mine, Broken Hill, New South Wales 1(2):36

Manganaxinite

Pyle's limestone deposit, near Benambra, Victoria 11(1):27-33af

Manganese oxides, see also Psilomelane

Barbara mine, Coolgardie, Western Australia 14(2):58-59

Black Jewel mine, Kangaroo Flat, Walcha, New South Wales 4(2):104

Braeside lead field, Pilbara, Western Australia 13(2):58

Nifty copper mine, Western Australia 8(2):51

Desolation prospect, Mount Isa Block, Queensland 17(2):86

Northparkes, New South Wales 4(1):7

Walcha area, New South Wales 4(2):103f

Manganite

Black and White mine, Danglemah, New South Wales 4(2):103, 106f

N'Chwaning II mine, Kalahari manganese field, South Africa 14(1):46f

Manganese phyllo-silicate

Woods mine, New South Wales 16(2):87-94, 88XRF, 90DTA, 91f, 92f

Manganilvaite

Mary Valley, southeastern Queensland 20(2):13, 14f

Manganoblodite

Womobi mine, northern Victoria 17(1):36, 37f

Manganochromite

Nairne pyrite deposit, Brukunga, South Australia 6(2):117

Manganocolumbite

Gibraltar, Western Australia 3(2):99f

Londonderry, Western Australia 3(2):98-99f

Spargoville, Western Australia 3(2):97f

Manganosiderite

Magnet mine, Tasmania 1(1):13

Manganvesuvianite

N'Chwaning II mine, Kalahari manganese field, South Africa 9(1):49W

Mansfieldite

Mt Cobalt, Queensland 1(2):20-22af

Marcasite

Getchell mine, Humboldt County, Nevada, USA 2(2):78W

Goongewa mine, Fitzroy Crossing, Western Australia 2(2):76W; 4(1):41fW

Northampton, Western Australia 18(1):44

Vatukoula gold mines, Viti Levu, Fiji 7(2):66

Marchettiite

Mt Cervandone, Piedmont, Italy 20(1):60f

Margarite

Olary Block, South Australia 9(2):92, 93f, 94a

Marialite

Mt Elliott, Queensland 13(1):20fXRD

Markite

Friedrich-Christian mine, Baden-Wurtemberg, Germany 20(1):60f, 61f

Markeyite

Markey mine, Utah, USA 20(1):60f

Marshite

Broken Hill, New South Wales 6(2):118f; 21(1):59f

Kintore opencut, Broken Hill, New South Wales 3(1):35

Proprietary mine, Broken Hill, New South Wales 6(2):117

Marsturite

Woods mine, New South Wales 15:17f, 18-19a

Massicot

Comet mine, Dundas, Tasmania 12(2):83d

Dundas, Tasmania 12(2):83d

Magnet mine, Tasmania 1(1):13

Matlockite

Cramford, Derbyshire, England 16(2):61f

Magnet mine, Tasmania 1(1):13

Mattheddleite

Leadhills-Wanlockhead area, Scotland 1(1):31W

Maucherite

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):62

Mawbyite

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):35-36f

Kintore opencut, Broken Hill, New South Wales 3(1):59f, 64-65f; 6(2):117, 118f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Mawsonite

North Lyell mine, Mt Lyell, Tasmania 6(2):117; 21(2):27, 30f

Royal George mine, Tingha, New South Wales 4(2):72f, 73; 6(2):117, 118f

Melanterite

Sunny Corner, New South Wales 17(1):49, 50

Teutonic Bore, Western Australia 2(1):26

Melonite

The Golden Mile 18(1):14

Vatukoula gold mines, Viti Levu, Fiji 7(2):69

Mendipite

Mt Malvern mine near Clarendon, South Australia 5(1):12

Mendozavilite

Fitzgerald River district, Western Australia 8(1):11-15afXRD

Mengeite

Spring Creek copper mine, Wilmington, South Australia 20(1):67W; 21(2):51, 51f

Mercury

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Jamieson mercury deposit, Victoria 9(1):35f, 36

Mertieite-II

Round Hill, Broken Hill district, New South Wales 4(1):36

Merwinite

Commercial quarry, Crestmore, Riverside County, California, USA 4(1):42W

Mesolite

Ben Lomond railway cutting, New South Wales 4(2):124f

Borambil, New South Wales 7(2):57f, 58af, 59XRD, 60LRS

India 16(1):45f

Krui Valley, Merriwa, New South Wales 8(2):62a, 65f, 69f

Pashan, Maharashtra, India 6(2):90f; 17(2):59f

Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):5f,6

Poona, India 7(1):25f

Mesolite?

Bell Mount, near Moina, Tasmania 10(2):66

Marrawah, Tasmania 10(2):66

Meta-autunite

Mt Painter, South Australia 9(1):19f, 29, 31f

Metacinnabar

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Rudges baryte prospect, Port Sorell, Tasmania 18(2):55W, 55f

Metahohmannite

Sunny Corner, New South Wales 17(1):49, 49f, 50

Metanatroautunite

Fairview workings, South Australia 17(1):10f, 20

Metaschoepite

No.2 workings, Mt Painter, South Australia 9(1):25,26f

Metaswitzerite

Spring Creek mine, Wilmington, South Australia 5(2):58,60f

Metatorbernite

No.2 workings, Mt Painter, South Australia 9(1):24,30f

Pinnacles mine dumps, Broken Hill, New South Wales 5(2):87W

Ranger No.3 deposit, Jabiru, Northern Territory 5(1):23

Metavariscite

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 31,

Woodlands, Gascoyne region, Western Australia 14(1):28

Metazeunerite

Elsmore, New South Wales 8(2):57f

Meurigite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Wycheproof, Victoria 2(2):49f

Meugirite-Na

Tom's, Moculta and St John's quarries, South Australia 10f, 21, 21f

Meyrowitzite

Markey mine, Utah, USA 20(1):60f

Mica

Harts Range, Northern Territory 7(1):36-37fW

Microcline

The Anakies volcanoes, Victoria 21(1):32,36f,

Erongo Mountains, north of Karibib, Namibia 5(2):91W

Pike's Peak, Colorado, USA 17(2):81f

Microcline variety amazonite

Crystal Peak, Colorado, USA 2(1):24f

Middlebackite

Iron Monarch quarry, South Australia 20(1):60f; 21(2):51, 51f

Miersite

Broken Hill, New South Wales 6(2):117, 118f; 11(1):15f

Kintore opencut, Broken Hill, New South Wales 3(1):35

South mine, Broken Hill, New South Wales 9(2):99f

Millerite

Bony Gully, near Elsmore, New South Wales 4(2):99

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):61a, 62-63

Tumut Serpentinite Province, New South Wales 7(1):6, 8a, 9a

Millisite

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 26, 28f,

Mimetite

Adelaide mine, Dundas, Tasmania 5(1):47W; 12(2):83,84a

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):35-37f

Block Nine mine, Mineral Hill field, New South Wales 11(2):113

Block 14 opencut, Broken Hill, New South Wales 3(1):59

Endeavour mine, Elura, New South Wales 11(2):86-88f

Happy Jack mine, Comet Vale, Western Australia 12(1):17

Heazlewood mine, west of Waratah, Tasmania 5(1):47W

Hercules mine, near Rosebery, Tasmania 4(1):40W

Iodide mine, Mineral Hill field, New South Wales 11(2):113

Kintore opencut, Broken Hill, New South Wales 3(1):37f,59,64-65f

Kosminsky mine, Dundas, Tasmania 12(2):83

Magnet mine, Tasmania 1(1):13,16f; 12(2):83

Mt Malvern mine near Clarendon, South Australia 5(1):12

New Cobar mine, Cobar, New South Wales 11(2):79f, 80
Penberthy Croft mine, Cornwall, England 1(1):30W
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Red Terror mine, Mineral Hill field, New South Wales 11(2):113
Sabine's shaft, Mt Bonnie mine, Northern Territory 2(1):1f
West Comet mine, Dundas, Tasmania 10(2):80W; 12(2):83f

Minium

Magnet mine, Tasmania 1(1):13

Minium after cerussite

Broken Hill, New South Wales 7(1):20,21f

Minyulite

Minyulo Well, Dandaragan, Western Australia 6(2); 118f
South Australian phosphate deposits 17(1):10f, 21-22, 21f, 22f

Mitridatite

Moculta and Tom's quarries, South Australia 17(1):10f, 22, 22f, 23f
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 22f, 25f, 27, 28f,
Spring Creek mine, Wilmington, South Australia 2(2):67

Mixite

Hilarion mine, Laurium, Greece 3(2):130W
Mt Malvern mine near Clarendon, South Australia 5(1):11f, 12-13
Nifty copper mine, Western Australia 8(2):51

Molybdenite

Allies mine, Deepwater, New South Wales 4(2):83f, 85; 6(1):41-42fW
Anchor mine, Lottah, Tasmania 2(1):40W
Barbara mine, Coolgardie, Western Australia 14(2):59
Blue Hill quarry, Oberon, New South Wales 10(2):49
Elsmore, New South Wales 8(2):57f
Kingsgate, New South Wales 4(2):81-82; 7(2):86f; 9(2):82f; 13(2):87f; 14(1):20f
Lake Boga, Victoria 2(2):48
Mount Lyell mines, Tasmania 21(2):27, 30f
Mount Moliagul, Victoria 21(1):43, 43f,
Sachs mine, Kingsgate, New South Wales 4(2):82f, 95f

Molybdite

Glen Eden, New South Wales 4(2):111
Radvanice, Czech Republic 1(2):31W
Mount Moliagul, Victoria 21(1):43
Wilson's Downfall, New South Wales 4(2):111

Monazite

Cath-Ida mine, The Gulf, Emmaville, New South Wales 5(1):46W
Cow Flat, Torrington, New South Wales 4(2):97f, 98
Sayers mine, Moina, Tasmania 10(2):80W
Telfer gold mine, Western Australia 12(1):39

Monazite-(Ce)

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 27
Mount Lyell mines, Tasmania 21(2):30f
No.2 workings, Mt Painter, South Australia 9(1):24

Monticellite

"Haystack", Shannon Tier, north of Bothwell, Tasmania 7(1):37W

Montgomeryite

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 27, 28f,
Parwan, Victoria 13(1):26f

Montmorillonite

Allandale, Hunter Valley, New South Wales 18(2):34
Bendalong Point, Bendalong, New South Wales 7(2):52-53f
Parwan, Victoria 13(1):27f

Montroydite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Moolooite

Mooloo Downs, Murchison, Western Australia 6(2):118

Moraesite

Londonderry, Western Australia 3(2):98-99f

Morganite, see Beryl variety morganite**Morinite**

Cleveland mine, Luina, Tasmania 2(1):39f, W

Tom's quarry, Kapunda, South Australia 17(1): 10f, 23, 23f

Mordenite

Lake Taupo, New Zealand 19(2):37, 36f, 37f

Mosesite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Mottramite

Broken Hill, New South Wales 14(2):61f

Iron Monarch, South Australia 6(1):16-17f

Kintore opencut, Broken Hill, New South Wales 3(1):66

Monakoff mine, near Cloncurry, Queensland 18(2):56W, 56f

Penny West gold mine, Youanmi, Western Australia 18(1):28

Northampton, Western Australia 18(1):44

Shangri La mine, Kimberley, Western Australia 16(1):21SEM, 23f

Wet Weather quarry, Crestmore, Riverside County, California, USA 4(1):42W

Motukoreaite

Browns Island, Waitemata Harbour, Auckland, New Zealand 19(2):32

Mountkeithite

Dundas, Tasmania 12(2):104f

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):67,68f

Mt Keith Ni-deposit, Western Australia 6(2):119

Mrázekite

Morass Creek, Benambra, Victoria 1(2):36f

Mullite

Eddy Creek quarry, Weld River, Tasmania 18(1):65W

Mundrabbillaite

Petrogale Cave, near Madura, Eucla, Western Australia 6(2):119

Murchisite

Murchison CM2 meteorite, Murchison, Victoria 21(2):51

Murdochite

Whim Creek mine, Western Australia 4(1):20

Muscovite

Blue Hill quarry, Oberon, New South Wales 10(2):48f, 49

Harts Ranges, Central Australia 19(1):45-49

Mount Lyell mines, Tasmania 21(2):27, 30f

Olary Block, South Australia 9(2):92-93f, 94a

Sumire, Hunza, Pakistan 1(2):29fW; 11(1):5f

Tom's and Moculta quarries, Kapunda, South Australia 17(1):29

Muscovite variety fuchsite

Dundas, Tasmania 12(2):83

Muscovite, vanadian

Kintore opencut, Broken Hill, New South Wales 3(1):31,33f

Musgravite

Musgrave Ranges, South Australia 6(2):119

Nadorite

Pinnacles mine dumps, Broken Hill, New South Wales 5(2):87W

Nagyagite

Vatukoula gold mines, Viti Levu, Fiji 7(2):70

Namansilite

Wood's mine, near Bendemeer, New South Wales 4(2):104f

Nambulite

Wood's mine, near Bendemeer, New South Wales 4(2):104f; 15:18-19a

Namuwite

Broken Hill, New South Wales 3(1):81f, 82

Nantokite

Great Australia mine, Cloncurry, Queensland 4(1):40W; 5(2):77-81f

Magpie mine, Queensland 4(1):40W

Mt Browne copper deposit, Coffs Harbour, New South Wales 7(2):46

Wewak mine, Queensland 4(1):40W

Narsarsukite

Crater Bay, Mayor (Tuhua) Island, New Zealand 8(1):41W

Natroalunite

Mount Lyell mines, Tasmania 21(2):30f

Natrodufrénite

Kintore opencut, Broken Hill, New South Wales 3(1):50

Lake Boga, Victoria 2(2):48-49f, 50a

Mt Bull, Olary Block, South Australia 3(2):114-115,116-117f, 118a

Mt Oxide, Queensland 2(1):7-9f, 10a

Peryhumuck mine, Olary Block, South Australia 3(2):114-115,118a

Pinnacles mine dumps, Broken Hill, New South Wales 4(1):40W

Rixon's sandstone quarry, Campbells Creek, Victoria 13(2):65-70af

Natrodufrénite-Dufrénite

South Australian phosphate deposits 17(1): 10f, 23-24,24f

Natrojarosite

Iron Monarch, South Australia 6(1):17

Mount Moliagul, Victoria 21(1):43

Mt Cobalt, Queensland 1(2):22a

Mt Malvern mine near Clarendon, South Australia 5(1):13f

Peryhumuck mine, Olary Block, South Australia 3(2):117f

Tom's quarry, Kapunda, South Australia 17(1):29

Natrojarosite-jarosite

Block 14 opencut, Broken Hill, New South Wales 3(1):43

Kintore opencut, Broken Hill, New South Wales 3(1):43

Natrolite

Abbotsford and Bundoora, Victoria 20(1):44, 44f, 45f, 46f

Ardglen, New South Wales 6(1):37-39af

Awatere Valley, New Zealand 8(1):41W

Ben Lomond quarry, New South Wales 4(2):127-128f

Ben Lomond railway cutting, New South Wales 4(2):124

Bonney's quarry, South Burnie, Tasmania 10(2):66

Cape Grim, Tasmania 10(2):66f

The Caves, Swan Vale, New South Wales 4(2):130

Elsmore-Newstead Junction shaft, Elsmore, New South Wales 4(2):129

Flat Topped Bluff, Tasmania 10(2):63a, 66f

"Haystack", Shannon Tier, north of Bothwell, Tasmania 7(1):37W

Krui Valley, Merriwa, New South Wales 8(2):62a, 65-66

Little Deer Park, County Antrim, Ireland 11(1):19f

MacIntyre River, Elsmore, New South Wales 4(2):129

Marrawah, Tasmania 10(2):66f

Middlesex Plains, Tasmania 10(2):66

The Nut, Stanley, Tasmania 10(2):66f

Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):7

Prehnite deposit, Mullaley, New South Wales 15:8f, 9

Redpa, Tasmania 10(2):63a, 66

Swan Vale, New South Wales 4(2):130

Table Cape, near Wynyard, Tasmania 10(2):66

Wellingrove, near Glen Innes, New South Wales 4(2):130

Natromarkeyite

Markey mine, Utah, USA 20(1):60f

Natronambulite

Woods mine, New South Wales 15:18-19a

Natrowalentaite

Griffins Find gold deposit, Western Australia 20(1):7-15, 6f, 11a, 12XRD, 67W; 21(2):51, 52f

Neotocite

Woods mine, New South Wales 15:13,14a, 15-16f

Nepheline

Waitakere Ranges, North Island, New Zealand 19(2):21-25

Nephrite jade, see Actinolite**Nesquehonite**

Buckland mine, Mangana, Tasmania 9(1):48W

Newberyite

Skipton Caves, Victoria 6(2):119f

Niccolite

Bismuth, Torrington area, New South Wales 4(2):96f

Nickelblödite

Carr Boyd Rocks Ni-mine, Goongarrie, Western Australia 6(2):119

Durkin mine, Kambalda, Western Australia 6(2):119

Nickeline

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):63

Nigerite-24R

Mt Garnet, Queensland 6(2):120

Nissonite

Iron Monarch, South Australia 6(1):17f

Niter

Jenolan Caves, New South Wales 5(1):47W

Noélbensonite

Wood's mine, near Bendemeer, New South Wales 4(2):104; 6(2):120

Nontronite

Iron Monarch, South Australia 6(1):17

Northparkes, New South Wales 4(1):7

Nordgauite

Hagendorf Süd pegmatite, Bavaria 19(1):8, 9f, 10XRD

Norrishite

Hoskins mine, Grenfell, New South Wales 6(2):119f, 120

Nullagineite

Otway Ni-deposit, Nullagine, Pilbara, Western Australia 6(2):119f, 120

Nyholmite

Barbara mine, Coolgardie, Western Australia 14(2):59

Block 14 opencut, Broken Hill, New South Wales 16(1):49w, 49SEM; 21(2):52, 52f

Offrétite, see also Chabazite/offrétite**Offrétite**

Ben Lomond quarry, New South Wales 4(2):129

Borambil, New South Wales 2(1):14-16f, 20a

Krui Valley, Merriwa, New South Wales 8(2):62a, 65-66f

Willy Wally Gully near Merriwa, New South Wales 16(2):82f, 83, 83f

Okenite

Aranga quarry Northland, New Zealand 19(2):8; 21(2):78

Perseverance nickel mine (formerly Agnew deposit), Western Australia 11(1):25-26f

Olivenite see also Adamite-olivenite

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):34-37f

Desolation prospect, Mount Isa Block, Queensland 17(2):85f, 86

Mt Cobalt, Queensland 1(2):21f, 22a, 23

Mt Malvern mine near Clarendon, South Australia 5(1):13

Mt Oxide, Queensland 2(1):9,10a

New Cobar mine, Cobar, New South Wales 11(2):80
Telfer gold mine, Western Australia 12(1):35f, 39
Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Olivine

Archean Cratons, Western Australia 19(2):39-42
“Haystack”, Shannon Tier, north of Bothwell, Tasmania 7(1):37W
Maran, Kangan Valley, Manshera District, Pakistan 1(1):34W
Tumut Serpentinite Province, New South Wales 7(1):6, 8

Opal

Bendalong Point, Bendalong, New South Wales 7(2):52-53f
Coober Pedy, South Australia 6(2):68f, 17(2):59f
Flaxman’s Valley, South Australia 21(1):23f
Goanna Patch alluvial mining area, Western Australia 15:59
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 27, 29f, 31f
Penny West gold mine, Youanmi, Western Australia 18(1):28
Pitt’s mine, Weabonga, New South Wales 4(2):104-105
Rollinsons quarry, near Malmsbury, Victoria 16(2):100
Welo, Ethiopia 21(1):47f
Williams opal mine, Coolgardie, Western Australia 6(2):96f

Opal variety hyalite

Bundoora, Victoria 20(1):46; 21(1):61f
Day Dream mine, Silverton, New South Wales 3(2):107, 108f
Kintore opencut, Broken Hill, New South Wales 3(1):31
Mt Mary mine, Coolac Serpentinite Belt, New South Wales 7(1):10,11f
Mt Stewart mine, Leadville, New South Wales 5(1):37
No.2 workings, Mt Painter, South Australia 9(1):24
Prehnite deposit, Mullaley, New South Wales 15:9f
Squaretop Mountain, Toowoomba, Queensland 16(1):43f
Tumut Serpentinite Province, New South Wales 7(1):6
Wave Hill area, Northern Territory 9(2):75

Orthochrysolite

Lucknow, near Orange, New South Wales 6(1):27

Orthoclase

Broken Hill, New South Wales 20(2):45-46W, 46f, 47f
Tom’s quarry, Kapunda, South Australia 17(1):29
Zomba, Malawi 2(2):79fW

Orthoclase variety adularia

Vatukoula gold mines, Viti Levu, Fiji 7(2):71

Orthoserpierite

Mt Malvern mine near Clarendon, South Australia 5(1):11f, 13

Osarizawaite

Iodide mine, Mineral Hill field, New South Wales 11(2):113-114f
Shangri La mine, Kimberley, Western Australia 16(1):22SEM

Osmium, iridian

Aberfoyle River, New South Wales 4(2):99

Otavite

Block 14 opencut, Broken Hill, New South Wales 3(1):38, 40f
Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):60SEM
Shangri La mine, Kimberley, Western Australia 16(1):22-23SEMf

Otwayite

Otway Ni-deposit, Nullagine, Pilbara, Western Australia 6(2):120

Owyheite

Wongabah mine, Rivertree, New South Wales 4(2):96f

Oxy-foitite

Cooma, New South Wales 18(1):66W; 21(2):52

Oxo-mangani-leakeite

Hoskins mine, New South Wales 18(1):66W; 21(2):52

Oyelite

N'Chwaning II mine, Kalahari manganese field, South Africa 8(1):43W

Paceite

Potosi mine, Broken Hill, New South Wales 8(2):80-81fW; 21(2):53

Paddlewheelite

Svornost mine, Czech Republic 20(1):60f

Palladium

Tumut Serpentine Province, New South Wales 7(1):6, 8

Palladium-copper alloys

Mulga Springs, Broken Hill district, New South Wales 4(1):36

Palladium-tellurium-bismuth alloys

Little Darling Creek, Broken Hill district, New South Wales 4(1):36

Mulga Springs, Broken Hill district, New South Wales 4(1):36

Round Hill, Broken Hill district, New South Wales 4(1):36

Palladium-tellurium-mercury alloy

Mulga Springs, Broken Hill district, New South Wales 4(1):36

Paolovite

Little Darling Creek, Broken Hill district, New South Wales 4(1):36

Paradocrasite

Consols Lode, Broken Hill, New South Wales 6(2):120

Paragonite

Mount Lyell mines, Tasmania 21(2):30f

Paraotwayite

Otway Ni-deposit, Nullagine, Pilbara, Western Australia 6(2):120, 122f

Paratacamite

Great Australia mine, Cloncurry, Queensland 4(1):40W

Iron Monarch, South Australia 6(1):17-18

Kintore opencut, Broken Hill, New South Wales 3(1):35

Magpie mine, Queensland 4(1):40W

Mt Gunson, South Australia 2(1):41W

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Wewak mine, Queensland 4(1):40W

Paratacamite-(Ni)

Carr Boyd Rocks mine, Western Australia 17(1):39, 40, 40f, 41, 41XRD, 42, 43, 44; 21(2):53, 53f

Paratooite-(La)

Paratoo copper mine, South Australia 12(1):44fW; 21(2):53, 53f

Pargasite

Deposit 36, Wambidgee Serpentine Belt, New South Wales 7(1):8f

Tumut Serpentine Province, New South Wales 7(1):6, 8

Parisite

Trimouns Quarry, Luzenac, France 3(2):129W

Zomba Plateau, Malawi 4(1):42W

Parisite-(La)

Mula mine, Bahia, Brazil 20(1):60f

Parnauite

Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Parwanite

Parwan, 5 km southeast of Bacchus-Marsh, Victoria 13(1):23-30; 21(2):53, 53f, 80

Paulscherrite

Number 2 workings, Radium Ridge, Mt Painter near Arkaroola, South Australia 16(1):49W

Parwan, Victoria 13(1):23-30afXRD; 21(2):54, 54f

Pecoraite

Wolf Creek Meteorite – Wolf Creek Crater, Western Australia 6(2):128

Pectolite

N'Chwaning II mine, Kalahari manganese field, South Africa 7(1):40-41fW

Peisleyite

Tom's Quarry, Kapunda, South Australia 6(2):120, 121f; 17(1):10f, 24

Pekoite

Juno, Tennant Creek, Northern Territory 6(2):121

Pennantite (?)

Iron Monarch, South Australia 6(1):18

Pentlandite

Mount Lyell mines, Tasmania 21(2):30f

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):61a, 63f

Mt Keith mine, Western Australia 7(2):83fW; 11(1):6f

Tumut Serpentinite Province, New South Wales 7(1):6, 9

Perhamite

Moculta (Klemm's) phosphate quarry, South Australia 9(1):43-44f

Penrice quarry, Angaston, South Australia 9(1):45f

South Australian phosphate deposits 17(1):10f, 24, 24-25f

Tom's quarry, Kapunda, South Australia 9(1):44f

Periclase

Gamsberg, Namibia 5(2):91W

Peridot, see **Forsterite**

Perite

Homeward Bound mine, Olary, South Australia 6(1):42W; 9(2):88XRD, 89f

Perloffite

Spring Creek mine, Wilmington, South Australia 2(2):65f, 67, 68f

Perovskite

"Haystack", Shannon Tier, north of Bothwell, Tasmania 7(1):37W

Perrouditite

Broken Hill, New South Wales 3(1):74

Petalite

Coolgardie pegmatite field, Western Australia 3(2):98-100

Peterbaylissite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Petterdite

Red Lead mine, Dundas, Tasmania 6(2):121, 122f; 12(2):82a, 83, 85f

Petzite

Goanna Patch alluvial mining area, Western Australia 15:59

Mount Lyell mines, Tasmania 21(2):30f

The Golden Mile 18(1):13

Pharmacolite

Lionsville, New South Wales 4(2):99

Solfarino, New South Wales 4(2):99

Pharmacosiderite

Elsmore, New South Wales 7(1):15; 8(2):57f, 58

Kintore opencut, Broken Hill, New South Wales 3(1):62,65f

Magnet mine, Tasmania 1(1):13

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Philipsbornite

Block 14 opencut, Broken Hill, New South Wales 3(1):62f

Kintore opencut, Broken Hill, New South Wales 3(1):62

Proprietary mine, Dundas, Tasmania 6(2):121

Red Lead mine, Dundas, Tasmania 12(2):84a, 85f

New Cobar mine, Cobar, New South Wales 11(2):78

Phillipsite

Bell Mount, Tasmania 10(2):67

Ben Lomond quarry, New South Wales 4(2):127-129f

Borambil, New South Wales 2(1):15f, 20a

Cape Grim, Tasmania 10(2):67

Daylesford, Victoria 1(2):13-14f, 15a

Don Hill, Tasmania 10(2):68f
Fixters Creek, Brittons Swamp, Tasmania 10(2):67
Gads Hill, Tasmania 10(2):67
Guildford, Tasmania 10(2):67
“Haystack”, Shannon Tier, north of Bothwell, Tasmania 7(1):37W
Hellyer River Bridge, Ridgley-Waratah Road, Tasmania 10(2):67
Lake Taupo, New Zealand 19(2):37
Maggs Mountain, Tasmania 10(2):67
Marys ‘Island’, near Cape Guyot Point, Robbins Island, Tasmania 10(2):67
Penguin, Tasmania 10(2):67
Redpa, Tasmania 10(2):67
Ridgley, Tasmania 10(2):67
Robbins Island, Tasmania 10(2):67
Sheffield, Tasmania 10(2):67

Phillipsite-Ca

Cassidy’s Creek, Boat Harbour, Tasmania, 10(2):67a
Gads Hill, Tasmania 10(2):67
Guildford, Tasmania 10(2):67
Hellyer River Bridge, Ridgley-Waratah Road, Tasmania 10(2):67a
Krui Valley, Merriwa, New South Wales 8(2):62a, 66f
Maggs Mountain, Tasmania 10(2):67af
Redpa, Tasmania 10(2):67
Rollinsons quarry, near Malmsbury, Victoria 16(2):100
Willy Wally Gully near Merriwa, New South Wales 16(2):83, 84, 84f

Phillipsite-K

Hargraves quarry, Oberon, New South Wales 8(1):29-32af
Kulnura quarry, Central Coast, New South Wales 21(1):7-17, 10f, 11f, 12f, 13a, 16f, 16a
Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):5f, 7a

Phillipsite-Na

Abbotsford and Bundoora, Victoria 20(1):46, 48f, 49f
Ardglen, New South Wales 6(1):35-39af
Kulnura quarry, Central Coast, New South Wales 21(1):7-17, 10f, 11f, 12f, 13a, 16f, 16a

Phlogopite

Harts Ranges, Central Australia 19(1):45
Hohenfels, near Otjiwarongo, Namibia 4(1):42W

Phlogopite, ferroan, titanian

The Anakies volcanoes, Victoria 21(1):32, 35a, 36f

Phoenicochroite

Dundas, Tasmania 12(2):84-85d
Magnet mine, Waratah, Tasmania 12(2):84-85d

Phosgenite

Adelaide mine, Dundas, Tasmania 12(2):85
Comet mine, Dundas, Tasmania 12(2):85f
Day Dream mine, Silverton, New South Wales 3(2):107
Magnet mine, Tasmania 1(1):13; 12(2):85
Mt Malvern mine, Adelaide Hills, South Australia 4(1):40W; 5(1):13

Phosphammite

Earles Find, Toppin Hill, Western Australia 6(2):121

Phosphofibrite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W
Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Phosphohedyphane

Cave Hill quarry, Lilydale, Victoria 13(2):73-82afXRD

Phosphophyllite

Hagendorf Süd pegmatite, Bavaria 19(1):9, 9f

Phosphosiderite

Tom’s quarry, Kapunda, South Australia 17(1): 10f, 25, 25f

Phosphuranylite

No.6 workings, Mt Painter, South Australia 9(1):29

Phoxite

Rowley mine, Arizona, USA 20(1):60f

Phurcalite

Monakoff mine, Cloncurry, Queensland 9(1):48fW

Pickeringite, see also Halotrichite-pickeringite**Picropharmacolite**

Getchell mine, Humboldt County, Nevada, USA 2(2):78W

Pittongite

Pittong, Victoria 14(2):62W; 21(2):54, 54f, 80

Plancheite

Tsumeb mine, Tsumeb, Namibia 21(1):47f

Platinum

Aberfoyle River, New South Wales 4(2):99

Coco, Columbia 1(1):34W

Russia 1(1):34W

Platinum alloys

Little Darling Creek, Broken Hill district, New South Wales 4(1):36,37f

Mulga Springs, Broken Hill district, New South Wales 4(1):36,37f

Round Hill, Broken Hill district, New South Wales 4(1):36

Platinum group minerals

Bingara, New South Wales 4(2):99

Plattnerite

Braeside lead field, Pilbara, Western Australia 13(2):60;

Plimerite

Block 14 opencut, Broken Hill, New South Wales 16(1):47W; 21(2):54, 55f

Plombièreite

Eddy Creek quarry, Weld River, Tasmania 18(1):65W

Commercial Quarry, Crestmore, Riverside County, California, USA 4(1):42W

Plumbogummite

Hercules mine, near Rosebery, Tasmania 5(1):47W

Kintore opencut, Broken Hill, New South Wales 3(1):50f

New Cobar mine, Cobar, New South Wales 11(2):78

Nifty copper mine, Western Australia 8(2):51

Parwan, 5 km southeast of Bacchus-Marsh, Victoria 21(2):80

Penberthy Croft mine, Cornwall, England 1(1):30W

Roughton Gill, Caldbeck Fells, England 1(1):30W

Plumbojarosite

Broken Hill, New South Wales 3(1):82f

Hall's Peak deposit, near Armidale, New South Wales 4(2):113

Iodide mine, Mineral Hill field, New South Wales 11(2):114

Iron Monarch, South Australia 6(1):18

Kintore opencut, Broken Hill, New South Wales 3(1):43

Magnet mine, Tasmania 1(1):14

Moxom Well, Braeside lead field, Pilbara, Western Australia 13(2):60

Mt Malvern mine near Clarendon, South Australia 5(1):13,14f

Penny West gold mine, Youanmi, Western Australia 18(1):28

Red Terror mine, Mineral Hill field, New South Wales 11(2):114f

Shangri La mine, Kimberley, Western Australia 16(1):22

Plumboperloffite

Wiperaminga Hill West quarry, Boolcoomatta Reserve, South Australia 21(2):55, 55f

Poldervaartite

N'Chwaning II mine, Kalahari manganese field, South Africa 8(1):42-43fW; 11(1):41W

Wessels mine, Kalahari, South Africa 2(1):32W

Polydymite

Tumut Serpentinite Province, New South Wales 7(1):6, 8, 9a

Portlandite

Lake Boga, Victoria 2(1):41W; 2(2):47

Posnjakite

Broken Hill, New South Wales 3(1):82f

Colebrook Hill, Tasmania 5(2):87W

Hercules mine, near Rosebery, Tasmania 4(1):40W

Mt Malvern mine near Clarendon, South Australia 5(1):14

Murrays Reward mine, Balfour, Tasmania 5(2):87W

Powellite

Attunga mine, near Bendemeer, New South Wales 4(2):113

Dundee, Victoria 21(1):62f

Elsmore, New South Wales 7(1):15; 8(2); 57f, 58

Kingsgate, New South Wales 4(2):82, 112f

Mount Moliagul, Victoria 18(2):54W; 21(1):45

Prehnite

Albion Park, New South Wales 19(1):41, 42f

Avebury mine, near Zeehan, Tasmania 13(1):50fW

Gladsome mine, Comet Vale, Western Australia 12(1):20

Happy Jack mine, Comet Vale, Western Australia 12(1):17

Kanahooka, Illawarra district, New South Wales 2(2):72f, 73, 74a

N'Chwaning II mine, Kalahari manganese field, South Africa 7(1):40-41fW

No.6 Bore, Wave Hill Station, Kalkarindji, Northern Territory 9(2):74-77f

Prehnite deposit, Mullaley, New South Wales 15:3-11f

The Vugh, Sand Queen mine, Comet Vale, Western Australia 12(1):20f

Tumut Serpentinite Province, New South Wales 7(1):6, 9

Priderite

Kimberley district, Western Australia 1(2):4

Walgidee Hills, Kimberley, Western Australia 6(2):121

Proudite

Juno mine, Tennant Creek, Northern Territory 6(2):121

Proustite

Magnet mine, Tasmania 1(1):14

Pseudobrookite

Anakies volcanoes, Victoria 21(1):27-38, 29a, 29f, 30f, 31f, 32f, 33f,

Pseudobol ite

Mammoth-St Anthony mine, Tiger, Arizona, USA 7(2):46f

Pseudomalachite

Block 14 opencut, Broken Hill, New South Wales 3(1):50

Burra Burra mine, South Australia 21(1):22f

Cargo, New South Wales 10(2):79W

Crusader mine, north-west Queensland 8(2):73f

Desolation prospect, Mount Isa Block, Queensland 17(2):85f, 86

E26 orebody, Northparkes, New South Wales 10(2):55,56f

Girilambone copper deposits, New South Wales 11(2):92f, 97,98f

Great Australia mine, Queensland 1(1):27

Horseshoe deposit, Duck Creek area, Queensland 3(2):125W

Kintore opencut, Broken Hill, New South Wales 3(1):50

Mt Oxide, Queensland 2(1):9

New Dollar deposit, Duck Creek area, Queensland 3(2):125W

Nifty copper mine, Western Australia 8(2):51,52f

Northparkes, New South Wales 4(1):4-5f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Ranger No.1 deposit, Jabiru, Northern Territory 5(1):23

Sandy Flat pipe, Redbank, Northern Territory 6(1):6-7f

Spring Creek mine, Wilmington, South Australia 2(2):67,68f

West Bogan mine, Collierina Hall, New South Wales 11(2):117f, 118

Whim Creek mine, Western Australia 4(1):20,21f

Pseudomalachite-cornwallite

Desolation prospect, Cloncurry, Queensland 7(2):47f

Pseudomarkeyite

Markey mine, Utah, USA 20(1):60f

Pseudorutile

South Neptune Island, South Australia 6(2):122

Psilomelane see also *Manganese oxides*

Whim Creek mine, Western Australia 4(1):20

Pucherite

Sand Prince mine, Comet Vale, Western Australia 12(1):20f, 21

Putnisite

Halls Knoll gossan, Polar Bear peninsula, Western Australia 21(2):55, 55f

Puttapaite

Beltana mine, Puttapa, Flinders Ranges, South Australia 21(2):56, 56f

Pyrargyrite

Magnet mine, Tasmania 1(1):14

Pyrite

Allandale, Hunter Valley, New South Wales 18(2):34, 34f, 35f

Almanda mine, Cherry Gardens, South Australia 18(1):56, 56f

Blue Hill quarry, Oberon, New South Wales 10(2):49f

Broken Hill, New South Wales 8(2):45f, 82

Bullengarook slate quarry, Victoria 21(1): 50f

Bundoora, Victoria 20(1):46

Bungendore Creek mine, Niangala, New South Wales 4(2):105

Cleveland mine, Luina, Tasmania 6(2):72f

CSA mine, Cobar, New South Wales 3(2):126W; 11(2):73f

Desolation prospect, Mount Isa Block, Queensland 17(2):84a

Dunstan Collection 20(1):24f

Elandsrand gold mine, Witwatersrand, South Africa 4(1):42W

Getchell mine, Humboldt County, Nevada, USA 2(2):78W

Girilambone copper deposits, New South Wales 11(2):94f

Goongewa mine, Fitzroy Crossing, Western Australia 2(2):76W

Jamieson mercury deposit, Victoria 9(1):35, 36

Kurilla mine, Kadina, South Australia 17(2):65f

Lake Cooper quarry, Corop, Victoria 21(1):55f

Lucknow, near Orange, New South Wales 6(1):30

Magnet mine, Tasmania 1(1):14

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):63,64f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 22f, 27,

Mount Lyell mines, Tasmania 21(2):27, 30f

Mount Moliagul, Victoria 21(1):43,

Mt Elliott mine, Mt Isa, Queensland 5(2):87-88fW

Mt Malvern mine near Clarendon, South Australia 5(1):14

Mt Stewart mine, Leadville, New South Wales 5(1):31-32

Mulla Mulla Creek prospect, New South Wales 4(2):105

N'Chwaning II mine, Kalahari manganese field, South Africa 7(1):41W

North mine, Broken Hill, New South Wales 3(1):18f

Northampton, Western Australia 18(1):44

Penny West gold mine, Youanmi, Western Australia 18(1):27

Prehnite deposit, Mullaley, New South Wales 15:9f

Renison Bell, Tasmania 2(1):39W; 6(2):73f

Sand Queen mine, Comet Vale, Western Australia 12(1):21

Sandy Flat pipe, Redbank, Northern Territory 6(1):5

Serbia 7(1):21f

Sparta, Illinois, USA 9(1):5,7f

Spring Creek mine, Wilmington, South Australia 2(2):67

Sunny Corner, New South Wales 17(1):46, 47, 47f

Sydney area, New South Wales 8(1):39

Vatukoula gold mines, Viti Levu, Fiji 7(2):66,68f

Wallaroo mines, Kadina, South Australia 17(2):79f

Wood's mine, New South Wales 4(2):105

Woodlawn mine, New South Wales 21(1):52f

Pyroaurite see also **Iowaite-pyroaurite series**

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):65f, 66

Pyrobitumen

Sandy Flat pipe, Redbank, Northern Territory 6(1):5-7f

Manuka Zn-Pb-Ag deposits, Cobar Basin, New South Wales 18(2):10, 20f

Pyrochlore

Barbara mine, Coolgardie, Western Australia 14(2):59

Tomahawk River, north of Scottsdale, Tasmania 9(1):48W

Pyrolusite

Day Dream mine, Silverton, New South Wales 3(2):107, 109f

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):67f

Iron Monarch, South Australia 2(1):23f

Magnet mine, Tasmania 1(1):14; 12(2):85

New England region, New South Wales 4(2):103

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Platt's Prospect, Dundas, Tasmania 12(2):85 Spring Creek mine, Wilmington, South Australia 2(2):67

Red Lead mine, Dundas, Tasmania 12(2):85f

Sydney area, New South Wales 8(1):39

Pyromorphite

Block Nine mine, Mineral Hill field, New South Wales 11(2):114

Block 14 opencut, Broken Hill, New South Wales 3(1):50-51, 52f, 56f; 7(1):20,21f

Braeside lead field, Pilbara, Western Australia 13(2):60-62SEM

Broken Hill, New South Wales 3(1):12f; 7(1):22f; 16(2):105f

Brown's Prospect, Rum Jungle, Northern Territory 6(2):89f

Bunker Hill, Kellogg, Idaho, USA 1(1):34W; 1(2):31W; 16(1):42f

Comet mine, Dundas, Tasmania 12(2):86,87f

Cumberland, England 6(2):52f

Daoping mine, Yangshu, Guangxi Province, China 7(2):87f

Day Dream mine, Silverton, New South Wales 3(2):107, 109f

Grubenrevier Ramsbeck, Sauerland, Germany 3(2):129W

Hercules mine, near Rosebery, Tasmania 4(1):40W; 5(1):47W

Hunan Province, China 9(1):48W

Iodide mine, Mineral Hill field, New South Wales 11(2):114

Iron Monarch, South Australia 6(1):18

Jersey vein, Bunker Hill mine, Kellogg, Shoshone County, Idaho, USA 7(2):87f

Kapi mine, Dundas, Tasmania 12(2):86

Kintore opencut, Broken Hill, New South Wales 3(1):50-51,53f

Kosminsky mine, Dundas, Tasmania 12(2):74f, 86, 87f

Magnet mine, Tasmania 1(1):14

MMM Ltd mine, Broken Hill, New South Wales 3(1):19f

Mt Malvern mine near Clarendon, South Australia 5(1):14

Mt Stewart mine, Leadville, New South Wales 5(1):34-35f, 37-38

North mine opencut, Broken Hill, New South Wales 3(1):73f

Northampton, Western Australia 18(1):44, 47f

Penberthy Croft mine, Cornwall, England 1(1):30W

Penny West gold mine, Youanmi, Western Australia 18(1):28, 29

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 5(1):46W; 5(2):87W

Platt's Prospect, Dundas, Tasmania 12(2):74f, 86, 87f

Ptschelohjad mine, Kordzali, Bulgaria 3(2):129W

Rossignol vein, Chaillac, France 3(2):129W

Silent Grove, Torrington, New South Wales 4(2):113f

Triako Eastern pit, Mineral Hill field, New South Wales 11(2):114-115f

West Comet mine, Dundas, Tasmania 12(2):82f
Whim Creek mine, Western Australia 4(1):20, 21f, 24f; 6(2):99f
Yangshou, Guangxi Province, China 11(1):38W
Zeehan Queen area, Tasmania 10(2):80W

Pyrope

Bow Hill, near Oatlands, Tasmania 5(1):47W
Cradle Mountain, Tasmania 5(1):47W
Guyra, New South Wales 4(2):119

Pyrope-almandine

Horse Gully, near Inverell, New South Wales 4(2):119
Ruby Hill, New South Wales 4(2):119

Pyrophanite

Rosebery mine, Tasmania 21(1):69W

Pyrophyllite

Mount Lyell mines, Tasmania 21(2):27, 30f
Peak Hill gold mine, New South Wales 15:49f

Pyrosmalite

Broken Hill, New South Wales 6(2):77f; 16(2):103f

Pyroxene

Archean Cratons, Western Australia 19(2):39-42

Pyroxmangite

Den mine, New South Wales 4(2):105
NBHC mine, Broken Hill, New South Wales 3(1):19f; 6(2):77f
Roseneath mine, New South Wales 4(2):105
Tarwonga deposit, New South Wales 4(2):105
Wood's mine, New South Wales 4(2):105

Pyrrhotite

Elandsrand gold mine, Witwatersrand, South Africa 4(1):42W
Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):66
Lucknow, near Orange, New South Wales 6(1):30
Mount Lyell mines, Tasmania 21(2):30f
Sandy Flat pipe, Redbank, Northern Territory 6(1):5

Quartz

Allandale, Hunter Valley, New South Wales 18(2):34, 35f
Allies mine, Deepwater, New South Wales 4(2):83f
Almanda mine, Cherry Gardens, South Australia 18(1):56, 58f
Alone Hand mine, Duck Creek, Cloncurry, Queensland 4(1):9f
Awatere Valley, New Zealand 8(1):41W
Barbara mine, Coolgardie, Western Australia 14(2):59
Blue Hill quarry, Oberon, New South Wales 10(2):48f, 49, 50-51f
Bombo, New South Wales 7(1):25f
Brandberg, Namibia 2(2):79W; 4(1):42W
Catamarca Province, Argentina 16(1):42f
Cath-Ida mine, The Gulf, Emmaville 5(1):46fW
Cave Hill quarry, Lilydale, Victoria 13(2):75f
Cleveland mine, Luina, Tasmania 7(1):37W
Cobar District, New South Wales 19(2):51-52, 51f, 52f
Cow Flat, Torrington, New South Wales 4(2):97f
Crystal King mine, Tallangalook, Victoria 6(2):85f, 87
CSA mine, Cobar, New South Wales 11(2):74f
Cumberland, England 16(1):10f
Curnow's tin mine, Torrington, New South Wales 4(2):95f, 98
Day Dream mine, Silverton, New South Wales 3(2):107
Dundas Extended mine, Dundas, Tasmania 2(1):39W
Elandsrand gold mine, Witwatersrand, South Africa 4(1):42W
Eldorado, Victoria 16(1):30-31
Elsmore, New South Wales 7(2):84fW; 9(2):98f

Emmaville, New South Wales 4(2):97f
Erongo Mountain, Namibia 14(1):47f
Florence mine, Cumbria, England 6(2):72f
Giants Den, near Bendemeer, New South Wales 4(2):118
Gladstone mine, Comet Vale, Western Australia 12(1):21
Glendowda Station, Tambar Springs, New South Wales 2(1):2f
Goanna Patch alluvial mining area, Western Australia 15:59
The Gulf, Emmaville, New South Wales 4(2):71f, 97
Happy Jack mine, Comet Vale, Western Australia 12(1):15f, 17
Harts mine, Torrington, New South Wales 4(2):95f, 98, 118
Harlequin Pocket, Inverell, New South Wales 18(1):66W, 66f
Iron Monarch, South Australia 2(1):21f, 23f; 6(1):21f; 6(2):69f
Jinkouhe Shan, Sichuan Province, China 9(1):5f
King Conrad mine, Howell, New South Wales 4(2):95f, 98
Kingsgate, New South Wales 4(2):97, 118; 5(2):87fW; 7(2):86f; 9(2):82f; 14(1):21f
KwaNdebele, Mpumalanga Province, South Africa 9(1):46fW, 49
Lake Taupo, New Zealand 19(2):35-37, 36f
Magnet mine, Tasmania 1(1):14
Manuka Zn-Pb-Ag deposits, Cobar Basin, New South Wales 18(2):5-21, 10-20f, 46-47f
Martin Zwer's mine, Nundle 4(2):98
Maurer's Claim, Kingsgate, New South Wales 13(2):83-88f
Mitchell Plateau, Western Australia 2(1):40-41fW
MKD5 nickel deposit, Mt Keith, Western Australia 9(2):64f
Moonta mines, Moonta, South Australia 6(2):68f
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 22f, 28, 32f,
Mount Moliagul, Victoria 21(1):43, 43f
Mt Anakie, Victoria 14(1):37-42f, 43-45f
Mt Bischoff, Tasmania 6(2):72f
Mt Elliott mine, Selwyn, Queensland 3(2):126W; 7(2):81,82fW
Mt Lyell, Tasmania 2(1):39W; 21(2):27, 28f, 30f
Mt Malvern mine near Clarendon, South Australia 5(1):14
Mt Oxide, Queensland 2(1):9
Mt Shadwell, Mortlake 14(1):37-42f
Mt Stewart mine, Leadville, New South Wales 5(1):32f, 35f
Nifty copper mine, Western Australia 8(2):51,52f
Northampton, Western Australia 6(2):96f; 18(1): 45, 48
Northparkes, New South Wales 4(1):7
Oban River, New South Wales 4(2):118
Pella, Northern Cape Province, South Africa 11(1):39-40fW
Penny West gold mine, Youanmi, Western Australia 18(1):27
Philosopher's Ridge, Queenstown, Tasmania 7(2):82,83fW
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Quiruvilca, Peru 7(1):24f
Radium Ridge, Mt Painter, South Australia 9(1):23f
Reedy Creek Track area, north of Eldorado, Victoria 16(1):30-31f
Renison Bell, Tasmania 2(1):39W
Restormel iron mine, Lanlivery, Cornwall, England 16(1):10f
Robbies workings, Balfour, Tasmania 7(1):36W
Rumsby's mine, The Gulf, Emmaville, New South Wales 4(2):97f, 98
Sachs mine, Kingsgate, New South Wales 4(2):82f, 95f
Sahyadri Mountains, Bombay, India 16(1):11f
Sand Queen mine, Comet Vale, Western Australia 12(1):21
Shangri La mine, Kimberley, Western Australia 16(1):22
Silent Grove, Torrington, New South Wales 4(2):113f
Southern Namibia 5(2):91W
Spring Creek mine, Wilmington, South Australia 2(2):67f, 68f
St. John's quarry, South Australia 17(1):29

Tambar Springs, New South Wales 7(1):23f; 16(1):43f
Tennant Creek, Northern Territory 21(1):64f
Tibet 11(1):38-39fW
Tingha, New South Wales 4(2):98, 118, 119f
Tom's quarry, Kapunda, South Australia 17(1):29
Torrington area, New South Wales 4(2):78f; 5(1):46fW
Trial Harbour district, Tasmania 7(2):83W; 9(1):48W; 10(2):80f
Vatukoula gold mines, Viti Levu, Fiji 7(2):66-67f, 70
Wallaroo mines, South Australia 17(2):64, 64f
Wave Hill area, Northern Territory 9(2):74f, 76-79
Wave Hill Station, Kalkarindji, Northern Territory 9(2):78-79f
White Rock quarry, Mt Lofty Ranges, South Australia 6(2):67f; 8(1):1f, 17-27f; 11(1):3f; 16(1):43f
Whitianga, Coromandel Peninsula, New Zealand 8(1):41W
Wishing Well Pocket, Torrington, New South Wales 18(1):66W, 66f
Woodlands, Gascoyne region, Western Australia 14(1):32
Wyalong Range, Camfield Station, Top Springs, Northern Territory 9(2):78-79f
Zambia 11(1):39,41fW Zomba, Malawi 2(1):32W; 2(2):79W
Zomba Plateau, Malawi 4(1):42W

Quartz variety agate

Allandale, Hunter Valley, New South Wales 18(2):31, 31f, 32f
Awatere Valley, New Zealand 8(1):41W
Queensland 7(1):23f

Quartz variety amethyst

Allandale, Hunter Valley, New South Wales 18(2):34, 35f
Angola 4(1):42W
Awatere Valley, New Zealand 8(1):41W
Beechworth, Victoria 16(1):27-29f
Brandberg, Namibia 2(2):79,80fW
Eldorado, Victoria 6(1):42fW; 16(1):29f, 31f
Entire (Entia) Valley, Harts Range, Northern Territory 4(1):41fW
Glen Elgin, New South Wales 4(2):118
Las Vigas mine, Vera Cruz, Mexico 16(1):42f
Mt Elliott mine, Selwyn, Queensland 3(2):125f, 126W
Oban, New South Wales 4(2):118

Quartz variety chalcedony

Allandale, Hunter Valley, New South Wales 18(2):31, 31f, 34f, 35f

Quartz variety citrine

Beechworth, Victoria 16(1):27-28f
Yarrow Creek deposit, Kingsgate, New South Wales 13(2):85f

Quartz variety smoky quartz

Beechworth, Victoria 16(1):27f
Eldorado, Victoria 16(1):27f
Reedy Creek Track area, north of Eldorado, Victoria 16(1):30f
St Gotthard, Switzerland 16(2):60f

Quintinite

D'Urville Island, Marlborough Sounds, New Zealand 3(2):127fW

Ralstonite

Cleveland mine, Luina, Tasmania 2(1):39fW
Tom's quarry, Kapunda, South Australia 17(1):29

Ramazzoite

Monte Ramazzo Mine, Genova, Liguria, Italy 20(1):60f

Ramsbeckite

Penrhiw mine, Wales 1(1):31W

Raspite

Broken Hill, New South Wales 3(1):1f, 9f; 6(2):122f; 7(2):86f; 14(2):61f; 17(2):78f
Proprietary mine, Broken Hill, New South Wales 3(1):19f

Raenthalite

Getchell mine, Humboldt County, Nevada, USA 2(2):78W

Realgar

Getchell mine, Humboldt County, Nevada, USA 2(2):78W

Shepherd and Murphy mine, Tasmania 5(1):48W

Reaphookhillite

Reaphook Hill, Martins Well, Flinders Ranges, South Australia 20(1):67W; 21(2):56, 56f

Reevesite

Wolf Creek Meteorite – Wolf Creek Crater, Western Australia 6(2):128

Renierite

Mount Lyell mines, Tasmania 21(2):30f

Reynoldsite

Red Lead mine, Dundas, Tasmania 21(2):56

Rhabdophane

Kintore opencut, Broken Hill, New South Wales 3(1):51,53f

Rhodochrosite

Baia Sprie mine, Maramures, Romania 3(2):130W

Barbara mine, Coolgardie, Western Australia 14(2):59

Black and White mine, Danglemah, New South Wales 4(2):106

Catamarca Province, Argentina 16(1):42f

Iron Monarch, South Australia 6(1):21f

Kalahari manganese field, South Africa 5(2):91W

Kara mine, near Hampshire, Tasmania 12(1):44f

Kintore opencut, Broken Hill, New South Wales 3(1):39,40f

Magnet mine, Tasmania 1(1):14

Mt Malvern mine near Clarendon, South Australia 5(1):14

N'Chwaning I mine, Kalahari manganese field, South Africa 13(1):47-48fW

N'Chwaning II mine, Kalahari manganese field, South Africa 3(2):127W; 13(1):47-48fW

North mine, Broken Hill, New South Wales 3(1):18f

Proprietary mine, Broken Hill, New South Wales 3(1):39

Renison mine, Tasmania 7(1):37W

Silverton, Colorado, USA 6(2):81f

Spring Creek mine, Wilmington, South Australia 2(2):68f, 69

Temma, Tasmania 18(2):54W, 55f

Zinc Corporation Mine, Broken Hill, New South Wales 3(1):18f, 20f

Rhodochrosite, calcian

Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Rhodonite

Black and White mine, Danglemah, New South Wales 4(2):101-106f

Broken Hill, New South Wales 9(2):99f; 16(2):103f; 18(2):23, 24f

Cooplacurripa River, New South Wales 4(2):106

Rosebery mine, Tasmania 21(1):69W, 69f

Wood's mine, New South Wales 4(2):101-106f; 15:15-17f, 16(2):87

Zinc Corporation mine, Broken Hill, New South Wales 6(2):56f

Richellite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Riebeckite

Hamersley Basin, Pilbara, Western Australia 20(2):43

Ringwoodite

Tenham Meteorite – Tenham Station, South Gregory, Queensland 6(2):128; 21(2):80

Roaldite

Youndegin Meteorite – Youndegin, Avon, Western Australia 6(2):128

Rockbridgeite

Block 14 opencut, Broken Hill, New South Wales 3(1):51

Kintore opencut, Broken Hill, New South Wales 3(1):51

Lake Boga, Victoria 2(1):41W; 2(2):48,49f

Moculta, South Australia 17(1):10f, 25

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 29
Peryhumuck mine, Olary Block, South Australia 3(2):115f, 117f, 118a

Romanèchite

Magnet mine, Tasmania 1(1):14
New England region, New South Wales 4(2):103
Walcha, New South Wales 4(2):103f

Römerite

Sunny Corner, New South Wales 17(1):49

Rooseveltite

Elsmore, New South Wales 8(2):57f, 58

Rosasite

Block 14 opencut, Broken Hill, New South Wales 3(1):40-41f
Cave Hill quarry, Lilydale, Victoria 13(2):77f
Colebrook Hill, Tasmania 5(2):87W
Colebrook mine, Rosebery, Tasmania 5(1):48W
Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):60-61f
Iron Monarch, South Australia 6(1):18
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Ragged Hills, Braeside lead field, Pilbara, Western Australia 13(2):60
Shangri La mine, Kimberley, Western Australia 16(1):21f, 22,23f

Rosasite-zincrosasite

Block 14 opencut, Broken Hill, New South Wales 3(1):39
Kintore opencut, Broken Hill, New South Wales 3(1):39

Roscoelite

Vatukoula gold mines, Viti Levu, Fiji 7(2):70

Roxbyite

Olympic Dam mine, Roxby Downs, South Australia 6(2):122f

Roymillerite

Kombat mine, Kombat, Namibia 20(1):60f

Russellite

Eclipse mine, near Forest Range, South Australia 9(2):89f, 90
Elsmore, New South Wales 8(2):58

Ruthenium

Tumut Serpentinite Province, New South Wales 7(1):6, 8, 9a

Rutile

Cath-Ida mine, The Gulf, Emmaville, New South Wales 5(1):46W
Champion mine, Inyo County, California 21(1):49f
Echunga gold field, Mt Lofty Ranges, South Australia 15:41f
Entire (Entia) Valley, Harts Range, Northern Territory 4(1):41W
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 29,
Mount Lyell mines, Tasmania 21(2):30f
Mount Moliagul, Victoria 21(1):44, 44f
Rollinsons quarry, near Malmsbury, Victoria 16(2):100, 100f
Tom's quarry, Kapunda, South Australia 17(1):29, 29f
Zambia 11(1):39-41fW

Saddlebackite

Boddington gold mine, Western Australia 3(2):119-124af; 6(2):122,123f

Safflorite

Bismuth, Torrington area, New South Wales 4(2):96f

Saléeite

Lake Boga, Victoria 2(1):37f, 41W
Ranger No.1 deposit, Jabiru, Northern Territory 2(1):2f; 5(1):19f, 22
Ranger No.3 deposit, Jabiru, Northern Territory 5(1):1f, 21f, 22, 24f; 5(2):87-88fW; 6(2):89f
Tom's quarry, Kapunda, South Australia 17(1): 10f, 25

Selenium

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 29, 31f, 35

Samarskite group mineral (ishikawaite-samarskite)

No.2 workings, Mt Painter 9(1):24,25f

Sampleite

Block 14 opencut, Broken Hill, New South Wales 3(1):51

E26 orebody, Northparkes, New South Wales 10(2):45f, 55-56f

Kintore opencut, Broken Hill, New South Wales 3(1):51

Spring Creek mine, Wilmington, South Australia 2(2):69

Sanidine

Waitakere Ranges, North Island, New Zealand 19(2):21

Santabarbaraite after vivianite

Wannon Falls, Hamilton, Victoria 9(1):47fW

Saponite

Allandale, Hunter Valley, New South Wales 18(2):34

Aranga quarry Northland, New Zealand 19(2):8

Ardglen, New South Wales 6(1):38-39a

Ben Lomond Quarry, New South Wales 4(2):127f, 128

Borambil, New South Wales 2(1):15-17f, 20a

Krui Valley, Merriwa, New South Wales 8(2):64-65f, 66fa, 67, 69f

Willy Wally Gully near Merriwa, New South Wales 16(2):84, 85f

Sapphire, see Corundum variety sapphire**Sassolite**

Iron Monarch, South Australia 6(1):18

Schafarzikite

Lunatic Goldfield, Drake, New South Wales 6(1):42W

Scheelite

Baia Sprie Mine, Maramures, Romania 3(2):130W

Damifino Mine, Hillgrove, New South Wales 4(2):78f, 79, 112f

Eleanora Mine, Hillgrove, New South Wales 4(2):79

Elsmore, New South Wales 8(2):58XRD

Freehold Mine, Hillgrove, New South Wales 4(2):79

Gamsberg region, South Africa 2(1):32W

Hunan Province, China 9(1):48W

Lake View gold mining lease, Comet Vale, Western Australia 12(1):14f

Martin Zwer's Mine, Nundle, New South Wales 4(2):78-79f

Moonbi, Tamworth area, New South Wales 4(2):79, 85

Mount Cleveland mine, Luina, Tasmania 21(1):59f

Mt Cobalt, Queensland 1(2):23

Sichuan Province, China 11(1):38W

Schertelite

Skipton Caves, Victoria 6(2):123

Schmidtitite

Hagendorf Süd pegmatite, Bavaria 19(1):10XRD

Schoepite

No.2 workings, Mt Painter, South Australia 9(1):25,26f

Scholzite

Block 14 opencut, Broken Hill, New South Wales 3(1):51,56f

Snowstorm mine, Battle Mountain, Nevada, USA 2(2):78W

Schoonerite

Hagendorf Süd pegmatite, Bavaria 19(1):13, 14, 14f

Schorl

Eldorado, Victoria 16(1):30-31

Erongo Mountains, north of Karibib, Namibia 5(2):91W; 7(1):40fW, 41

Giles Prospect, Spargoville, Western Australia 3(2):100f

Reids Creek, Beechworth, Victoria 16(1):277

Schubnelite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Schulingite-(Nd)

Peelwood mine, Peelwood, New South Wales 13(2):89SEM, 90XRD

Schulenbergite

Broken Hill, New South Wales 3(1):82

Kintore opencut, Broken Hill, New South Wales 3(1):43, 44-45f

Penrhiw mine, Wales 1(1):31W

Pinnacles mine dumps, Broken Hill, New South Wales 5(1):46W; 5(2):87W

Scolecite

Little Pine Lagoon quarry, Miena, Tasmania 9(1):48W

Scorodite

Elsmore, New South Wales 7(1):15; 8(2):58

Kingsgate, New South Wales 4(2):111; 7(2):86f

Kintore opencut, Broken Hill, New South Wales 3(1):62

Mount Moliagul, Victoria 21(1):44, 44f

Mt Malvern mine near Clarendon, South Australia 5(1):14

Ottery lode, Emmaville, New South Wales 4(2):113

Peak Hill gold mine, New South Wales 15:51

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Pye's Creek, Tenterfield, New South Wales 4(2):113

Sunny Corner, New South Wales 17(1):48, 48f,

Tewinga lode, Nambucca, New South Wales 4(2):114

Ting Tang mine, Gwennap, Cornwall, England 3(2):129W

Twin Trees mine, Humboldt County, Nevada, USA 2(2):78W

Scotlandite

Leadhills-Wanlockhead area, Scotland 1(1):31W

Seamanite

Iron Monarch, South Australia 6(1):18, 19-20f

Segelerite

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 29, 30f

Segnitite see also Beudantite/segnitite

Kintore opencut, Broken Hill, New South Wales 3(1):62,65f; 6(2):123f

New Cobar mine, Cobar, New South Wales 11(2):78

Sellaite

Cleveland mine, Luina, Tasmania 7(1):37W

Mt Bischoff, Tasmania 7(2):83W

Selwynite

Council quarry, Wycheproof, Victoria 1(2):6,36fW; 6(2):123f,124

Senarmontite

Inglewood, Victoria 17(2):89

Lunatic goldfield, Drake, New South Wales 6(1):42W

Sepiolite

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):64-65

Serandite

Wood's mine, New South Wales 4(2):106; 15:15-17f

Serpentine minerals

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):65

Serpierite

Block 14 opencut, Broken Hill, New South Wales 3(1):44

Broken Hill, New South Wales 3(1):81f, 82

Kintore opencut, Broken Hill, New South Wales 3(1):44,45f

Mt Malvern mine near Clarendon, South Australia 5(1):14-15

Northampton, Western Australia 18(1):45

Parkers Hill, Mineral Hill field, New South Wales 11(2):114-115f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Shandite

Trial Harbour, Tasmania 6(2):124

Shannonite

Grand Reef mine, Arizona, USA 3(1):39

Kintore opencut, Broken Hill, New South Wales 3(1):39f

Shigaite

N'Chwaning I mine, Kalahari manganese field, South Africa 13(1):47-48fW

Siderite

Aberfoyle Tin Mine, Gladstone, Tasmania 6(2):74f

Almanda mine, Cherry Gardens, South Australia 18(1):56, 57f, 58f

Anchor mine, Lottah, Tasmania 2(1):40W

Barbara mine, Coolgardie, Western Australia 14(2):59

Bendalong Point, Bendalong, New South Wales 7(2):49-54f

Day Dream mine, Silverton, New South Wales 3(2):107

Daylesford, Victoria 1(2):14

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):71

Hungary 6(2):71f

Inyadda Point, Bendalong, New South Wales 7(2):49-54f

Magnet mine, Tasmania 1(1):14

Mount Moliagul, Victoria 21(1):44, 44f

Mt Bischoff, Tasmania 6(2):74f

Mt Lyell, Tasmania 2(1):39W; 21(2):29, 30f

Mt Malvern mine near Clarendon, South Australia 5(1):15

Mt Stewart mine, Leadville, New South Wales 5(1):32f

Northampton, Western Australia 18(1):45

Prince Lyell mine, Mt Lyell, Queenstown, Tasmania 7(2):82W

Temma, Tasmania 18(2):54W

Siderite-sphalerite after calcite

Aggenys, Northern Cape Province, South Africa 13(1):48-49fW

Siderotil

Teutonic Bore, Western Australia 2(1):26

Sunny Corner, New South Wales 17(1):

Sieleckiite

Mt Oxide, Queensland 2(1):8f, 9; 6(2):123f, 124

Girilambone copper deposits, New South Wales 11(2):98-99f

Siidraite

Broken Hill, New South Wales 18(1):65W; 21(2):56

Silver

Alva, Scotland 1(1):31

Block 14 opencut, Broken Hill, New South Wales 3(1):30

Boorook mines, near Drake, New South Wales 4(2):114

Christmas mine, Gila County, Arizona 21(1):48f

Day Dream mine, Silverton, New South Wales 3(2):107, 109f

Elizabeth Hills mine, Dampier, Western Australia 6(1):1f, 42-43fW

Endeavour mine, Elura, New South Wales 11(2):47f, 84-87f

Force Crag mine, Cumbria, England 11(1):21f

Kintore opencut, Broken Hill, New South Wales 3(1):30,33f

Kongsberg, Norway 6(2):55f; 16(2):60

Magnet mine, Tasmania 1(1):14f

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):65

Mount Lyell mines, Tasmania 21(2):29, 30f

Mt Malvern mine near Clarendon, South Australia 5(1):15

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

Ruby Silver mine, near Armidale, New South Wales 4(2):113

Vinoren, Kongsberg, Norway 3(2):130W

“Silver chloro-antimoniate”

Consols Lode, Broken Hill, New South Wales 5(2):64f, 65,66a

Silver iodide

Lake Boga, Victoria 2(2):48,49f

Silvialite

McBride Province, Queensland 6(2):124

Simpsonite

Tabba Tabba, Western Australia 6(2):124; 20(2):37-40; 39f,

Sincosite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Sieleckiite

Mount Oxide, Queensland 18(2):56W

Šlikite

Plavno mine, Czech Republic 20(1):60f

Smithsonite

Block 14 opencut, Broken Hill, New South Wales 3(1):39, 40f, 41

Broken Hill, New South Wales 3(1):13-15f; 11(1):23f; 17(2); 78f

Day Dream mine, Silverton, New South Wales 3(2):108

Devons Cut, Braeside lead field, Pilbara, Western Australia 13(2):61

E26 orebody, Northparkes, New South Wales 10(2):56

Iron Monarch, South Australia 6(1):19

Kintore opencut, Broken Hill, New South Wales 3(1):39,41f

Laurium district, Attiki Prefecture, Greece 17(2):81f

Magnet mine, Tasmania 1(1):14

MMM Ltd mine, Broken Hill, New South Wales 3(1):19f

Mt Malvern mine near Clarendon, South Australia 5(1):15f

Mt Stewart mine, Leadville, New South Wales 5(1):38f

Northampton, Western Australia 18(1):45

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W

79 mine, Arizona, USA 1(2):30W

Ragged Hills, Braeside lead field, Pilbara, Western Australia 13(2):61

Shangri La mine, Kimberley, Western Australia 16(1):21f, 22, 23f

Whim Creek mine, Western Australia 4(1):23

Smithsonite, manganoan

Kintore opencut, Broken Hill, New South Wales 3(1):39, 40-41f

Smolianinovite

Mt Cobalt, Queensland 1(2):23

Soddyite

No.2 workings, Mt Painter, South Australia 9(1):25,26f

Sodian augite

The Anakies volcanoes, Victoria 21(1):28, 29, 34f, 35a

Sodium analogue of meurigite?

Rixon's sandstone quarry, Campbells Creek, Victoria 13(2):68-69f

Sodium pharmacosiderite

Marda, Kalgoorlie, Western Australia 6(2):124

Somersetite

Torr Works quarry, Somerset, UK 20(1):60f

Spangolite

Colebrook Hill, Tasmania 5(2):87W

Desolation prospect, Mount Isa Block, Queensland 17(2):86, 86f

Kintore opencut, Broken Hill, New South Wales 3(1):45

Mt Isa, Queensland 7(1):36W

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 4(1):40fW

Sperrylite

Little Darling Creek, Broken Hill district, New South Wales 4(1):37f, 38a

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):65

Mulga Springs, Broken Hill district, New South Wales 4(1):37,38a

Round Hill, Broken Hill district, New South Wales 4(1):37,38a

Spessartine

Black and White mine, Danglemah, New South Wales 4(2):106

Blackwood opencut, Broken Hill, New South Wales 3(1):18f

Broken Hill, New South Wales 21(1):63f
Fujian Province, China 11(1):38W
Gweebarrow, County Donegal, Ireland 11(1):17f
N.B.H.C. mine, Broken Hill, New South Wales 3(1):75f
North mine, Broken Hill, New South Wales 3(1):19f; 16(2):104f
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Rosebery mine, Tasmania 21(1):69W, 69f

Sphaerocobaltite

Mt Cobalt, Queensland 1(2):23

Sphalerite

Almanda mine, Cherry Gardens, South Australia 18(1):57, 58f
Barbara mine, Coolgardie, Western Australia 14(2):58SEM, 59
Cumberland, England 16(1):10f
Elandsrand gold mine, Witwatersrand, South Africa 4(1):42W
Goongewa mine, Fitzroy Crossing, Western Australia 2(2):76W; 4(1):41W
Lucknow, near Orange, New South Wales 6(1):28f, 30
Magnet mine, Tasmania 1(1):14
Mogul mine, Silvermines, County Tipperary, Ireland 11(1):20f
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 29
Mount Lyell mines, Tasmania 21(2):29, 30f
Mt Malvern mine near Clarendon, South Australia 5(1):15
Mt Stewart mine, Leadville, New South Wales 5(1):32-33f
North mine, Broken Hill, New South Wales 16(2):105f
Northampton, Western Australia 18(1):46
Penny West gold mine, Youanmi, Western Australia 18(1):27
Pering mine, Kuruman, South Africa 2(2):79W
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W
Serbia 7(1):21f
Sunny Corner, New South Wales 17(1):46, 47, 47f
The Vugh, Sand Queen mine, Comet Vale, Western Australia 12(1):21
Wallaroo mines, Kadina, South Australia 6(2):65f

Sphene, see Titanite

Spinel

Rollinsons quarry, near Malmsbury, Victoria 16(2):100

Spodumene

Barbara mine, Coolgardie, Western Australia 14(2):59

Mt. Marion, Western Australia 3(2):101

Spodumene variety kunzite

Urupuca, Minas Gerais, Brazil 6(2):56f

Spriggite

No.2 workings, Mt Painter, South Australia 9(1):26,27f; 13(1):50-51W; 21(2):57, 57f

Springcreekite

Spring Creek mine, Wilmington, South Australia 5(2):56-57f; 6(2):123f, 125; 8(2):82

Spurrite

Commercial quarry, Crestmore, Riverside County, California, USA 4(1):42W

Stannite

Conrad mines, Howell, New South Wales 4(2):73

Rockvale mines, near Armidale, New South Wales 4(2):75

Webbs silver mine, Emmaville, New South Wales 4(2):75

Stannoidite

Mount Lyell mines, Tasmania 21(2):30f

Royal George mine, Tingha, New South Wales 4(2):72f, 73

Staurolite

Elliotts Reward mine, Interview River, south of Temma, Tasmania 9(1):48W

Steinmetzite

Hagendorf Süd pegmatite, Bavaria 19(1):9. 10XRD, 11f

Stellerite

Allandale, Hunter Valley, New South Wales 18(2):35, 36f
Glendowda Station, Tambar Springs, New South Wales 2(1):2f; 6(2):53f
Hampshire mine, Tasmania 10(2):68
Kazakhstan 1(1):34W
Lake Cooper quarry, Corop, Victoria 11(1):31f
Tambar Springs, New South Wales 7(1):23f; 16(1):43f

Stibarsen

Lucknow, near Orange, New South Wales 6(1):29f, 30

Stibiconite

Taylor's Arm, New South Wales 4(2):92
Wild Cattle Creek mine, near Dorrigo, New South Wales 4(2):112

Stibiotantalite

Greenbushes, Western Australia 6(2):125

Stibnite

Eleanora Mine, Hillgrove, New South Wales 4(2):90-91f,92
Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):66f
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Hunan Province, China 9(1):48W
Loloma mine, Vatukoula, Viti Levu, 7(2):66
Lunatic Goldfield, Drake, New South Wales 6(1):42W
Lushi, Hunan Province, China 1(2):30W
Magnet mine, Tasmania 1(1):14
Red Dome Mine, Chillagoe, Queensland 6(1):41,42fW
Taylor's Arm, New South Wales 4(2):91f,92, 112
Wild Cattle Creek Mine, near Dorrigo, New South Wales 4(2):112
Wuling antimony mine, Jiangxi Province, China 9(1):4f
Xi Kuangshan Mine, Hunan, China 17(2):60f
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Stichtite

Birches Inlet, Tasmania 12(2):104
MKD5 nickel deposit, Mt Keith, Western Australia 9(2):67,68f
Nevada Creek, Dundas, Tasmania 12(2):104
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Stichtite Hill, Dundas, Tasmania 6(2):76f, 125, 126f; 12(2):103-104f, 105a
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Stichtite-woodallite series

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):66f, 67

Stilbite series

Awatere Valley, New Zealand 8(1):41W
Bell Mount, Middlesex, Tasmania 10(2):68
Bergen Hill, New Jersey, USA 16(1):12f
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Gladsome mine, Comet Vale, Western Australia 12(1):21
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Lune River, Tasmania 18(1):65W
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Sahyadri Mountains, Bombay, India 16(1):11f
Sand Prince mine, Comet Vale, Western Australia 12(1):21
Sgurr nam Boc, Isle of Skye, Scotland 1(1):31W; 3(2):130W
Walcha, New South Wales 4(2):130
Whitianga, Coromandel Peninsula, New Zealand 8(1):41W

Stillwellite-(Ce)

Mary Kathleen mine, Queensland 6(2):125

Stilpnomelane

Temma, Tasmania 18(2):54W

Stolzite

Broken Hill, New South Wales 3(1):1f, 13f; 14(2):61f; 17(2):78f,

Kara mine, Tasmania 4(1):40W; 13(1):50fW

Kintore opencut, Broken Hill, New South Wales 3(1):66

Pinnacles mine dumps, Broken Hill, New South Wales 4(1):40W

Torrington-Emmaville area, New South Wales 4(2):111

Stracherite

Hatrurium formation, Negav, Israel 20(1):60f

Strelkinitite

Faitview workings, Burra, South Australia 17(1):30

Strengite see also Variscite-strengite

Block 14 opencut, Broken Hill, New South Wales 3(1):51-52,56f

Kintore opencut, Broken Hill, New South Wales 3(1):51-52

Moculta quarry, South Australia 17(1):10f, 25, 25f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 31

Mt Bull, Olary Block, South Australia 3(2):115, 116f, 118a

Peak Hill gold mine, New South Wales 15:51

Peryhumuck mine, Olary Block, South Australia 3(2):115, 117f

Pinnacles mine dumps, Broken Hill, New South Wales 4(1):40W

Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

Stromeyerite

Mount Lyell mines, Tasmania 21(2):29, 30f

Strontianite

Oraparinna, Flinders Ranges, South Australia 4(1):40W, 41f

Strontian, Argyllshire, Scotland 16(1):11f

Strontioperloffite

Spring Creek Mine, Wilmington, South Australia 18(1):67W; 21(2):57, 57f

Stunzite

Hagendorf Süd pegmatite, Bavaria 19(1):12

Sturmanite

Kalahari manganese field, South Africa 5(2):91W

Suessite

North Haig Meteorite – Sleeper Camp, North Haig, Western Australia 6(2):128

Sugilite

Hoskins mine, Grenfell, New South Wales 4(2):106

Wood's mine, New South Wales 4(2):105f, 106

Sulphur

Blue Hill quarry, Oberon, New South Wales 10(2):50

Broken Hill, New South Wales 3(1):82

Inglewood, Victoria 17(2):89

Kintore opencut, Broken Hill, New South Wales 3(1):31

Mount Moliagul, Victoria 21(1):44

Mt Malvern mine near Clarendon, South Australia 5(1):15

Northampton, Western Australia 18(1):46, 48f

Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W; 5(1):46W

Sicily, Italy 6(2):72f

Spring Creek mine, Wilmington, South Australia 2(2):69

Tom's quarry, Kapunda, South Australia 17(1):30

Sulvanite

Edelweiss mine, near Burra, South Australia 6(2):125

Svanbergite

Champion mine, Inyo County, California 21(1):49f

Mount Lyell mines, Tasmania 21(2):29, 30f

Sylvanite

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):68f, 69a

Sylvite

Jenolan Caves, New South Wales 5(1):47W

Symplesite

Magnet mine, Tasmania 1(1):15

Szaibelyite

Sylvester mine, Zeehan, Tasmania 7(1):37W

Szymańskiite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):130W

Szmikite

Womobi mine, northern Victoria 17(1):35,35f

Ta-Bi oxide

Barbara mine, Coolgardie, Western Australia 14(2):59

Talc

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):65

Trimouns quarry, Luzenac, France 3(2):128fW

Tumut Serpentinite Province, New South Wales 7(1):6, 9

Tanteuxenite-(Y)

Cooglegong, Pilbara, Western Australia 6(2):125

Taranakite

Jenolan Caves, New South Wales 5(1):47W

Sugar Loaf Islands, off New Plymouth, Taranaki, New Zealand 19(2):27-28, 32

Tarbuttite, cuprian?

Block 14 opencut, Broken Hill, New South Wales 3(1):52-53

Kintore opencut, Broken Hill, New South Wales 3(1):52-53

Tellurantimony

The Golden Mile 18(1):14, 15f

Tellurobismuthite

Mount Lyell mines, Tasmania 21(2):30f

Tellurium

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):68f, 69

Tengerite-(Y)

Paratoo mine, South Australia 9(1):47W

Tennantite

Bali Lo prospect, Ashburton Downs, Western Australia 13(1):33f

Tennantite-(Zn)

Mount Lyell mines, Tasmania 21(2):29, 30f

Tenorite

Girilambone copper deposits, New South Wales 11(2):98

Mount Lyell mines, Tasmania 21(2):30f

Nifty copper mine, Western Australia 8(2):52

Northampton, Western Australia 18(1):46

Northparkes, New South Wales 4(1):7

Whim Creek mine, Western Australia 4(1):23

Tephroite

Black and White mine, Danglemah, New South Wales 4(2):105f, 106

Woods mine, New South Wales 15:14a, 15f

Terlinguaite

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):131W

Tetra-ferri-annite

Dales Gorge, Wittenoom, Western Australia 6(2):125

Tetrahedrite

Almanda mine, Cherry Gardens, South Australia 18(1):57, 57f, 58f

Emperor mine, Vatukoula, Viti Levu, Fiji 7(2):66f

Magnet mine, Tasmania 1(1):14

Pulganbar area, New South Wales 4(2):94f

Sunny Corner, New South Wales 17(1):46, 47, 47f

Thaumasite

Eddy Creek quarry, Weld River, Tasmania 18(1):65W

Commercial quarry, Crestmore, Riverside County, California, USA 4(1):42W

Thomsonite

Addisons Creek, near Gads Hill, Tasmania 10(2):68f

Aranga quarry, Hood Road, Aranga, New Zealand 3(2):127W

Ardglen, New South Wales 6(1):39

Awatere Valley, New Zealand 8(1):41

Borambil, New South Wales 2(1):16-18f, 20a; 7(2):57-58f, 59XRD

Gads Hill, Tasmania 10(2):68

Guildford, Tasmania 10(2):68

“Haystack”, Shannon Tier, north of Bothwell, Tasmania 7(1):37W

Krui Valley, Merriwa, New South Wales 8(2):62a, 67-69f

Middlesex Plains, Tasmania 10(2):67a, 68

Pheasant Creek road-cutting, Barrington Tops, New South Wales 8(1):5f, 6

Redpa, Tasmania 10(2):68

Sheffield, Tasmania 10(2):68

Table Cape, Tasmania 10(2):68

Waitakere Ranges, North Island, New Zealand 19(2):15

Willy Wally Gully near Merriwa, New South Wales 16(2):84, 85

Thomsonite-Ca

Abbotsford and Bundoora, Victoria 20(1):46, 49f, 50f

Aranga quarry, Northland, New Zealand 19(2):7-15, 9f, 10f, 11a, 12a

Bundoora, Victoria 21(1):55f

Thorasphite

Elsmore tin mine, Elsmore, New South Wales 20(1):65W; 21(2):58,58f

Threadgoldite

El Sherana uranium deposit, Northern Territory 11(1):7-11f

Kokobo pegmatite, Lusungu River district, Kivu Province, Congo 11(1):7,10a

Palette uranium deposit, Northern Territory 11(1):7-11f

Rockhole uranium deposit, Northern Territory 11(1):7, 8, 10

Saddle Ridge uranium deposit, Northern Territory 11(1):7-11af

Sleisbeck uranium deposit, Northern Territory 11(1):7-11af

Tin

Aberfoyle River, near Oban, New South Wales 4(2):73, 99

Vegetable Creek, Emmaville, New South Wales 4(2):73,74f

Tinnunculite

Khibiny Massif, Russia 20(1):60f

Tinsleyite

Tom’s quarry, Kapunda, South Australia 17(1):10f, 25,25f

Tinticite

Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W

Klemm’s and Tom’s quarries, South Australia 17(1):10f, 26

Tinzenite

N’Chwaning II mine, Kalahari manganese field, South Africa 7(1):41d

Titanite

Gamsberg, Namibia 5(2):91W

Iron Monarch, South Australia 6(1):19

Tivanite

Lake View mine, Kalgoorlie, Western Australia 6(2):125

Tlalcite

Blue Bell claims, San Bernardino County, California, USA 3(2):130W

Tobermorite

“Haystack”, Shannon Tier, north of Bothwell, Tasmania 7(1):37W

Tochilinite

Sylvester mine, Zeehan, Tasmania 7(1):36-37W

Tochilinite-valleriite series

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):65

Tocornalite

Kintore opencut, Broken Hill, New South Wales 3(1):35

Todorokite

Borambil, New South Wales 2(1):17f

Krui Valley, Merriwa, New South Wales 8(2):69,70f

Willy Wally Gully near Merriwa, New South Wales 16(2):85, 85f

Todorokite, nickeloan

Krui Valley, Merriwa, New South Wales 8(2):69,70af

Tomaitite, see Johntomaitite [Correction: 6(1):2]

Tomichite

Perseverance Mine, Kalgoorlie, Western Australia 6(2):125

Topaz

Anchor mine, Lottah, Tasmania 2(1):40W

Emerald mine, Emmaville, New South Wales 4(2):119

Erongo Mountain, Namibia 7(1):41W

Fielders Hill, Torrington, New South Wales 4(2):119

Londonderry, Western Australia 3(2):100f

Mimoso do Sul, Brazil 1(1):34W

Mitchell River, New South Wales 4(2):119

Mount Garnet area, Queensland 20(2):45

Mount Lyell mines, Tasmania 21(2):30f

North Queensland 20(1): 65W, 65f, 66f

Oban, New South Wales 4(2):119, 120f

St Ann's mine, Zimbabwe 11(1):39,40fW

Strathbogie Ranges, Victoria 1(2):1f

Xandra Mine, Virgem da Lapa, Minas Gerais, Brazil 6(2):89f

Zambia 11(1):39,40fW

Torbernite

Blackpool pit, St Austell, Cornwall, England 11(1):17f

Block 14 opencut, Broken Hill, New South Wales 3(1):53,56f

Desolation prospect, Mount Isa Block, Queensland 17(2):86

Gilgai, New South Wales 4(2):113f

Margabal, Aveyron, France 3(2):128-129fW

Monakoff mine, Cloncurry, Queensland 9(1):48fW

Mt Painter, South Australia 9(1):18f, 30-31f

Ranger No.3 deposit, Jabiru, Northern Territory 5(1):22,24f

Tourmaline

Barbara mine, Coolgardie, Western Australia 14(2):59

Cath-Ida mine, The Gulf, Emmaville, New South Wales 5(1):46W

Cruzeiro mine, Minas Gerais, Brazil 1(1):34W

Manuka Zn-Pb-Ag deposits, Cobar Basin, New South Wales 18(2):10, 20f

Tremolite

Kara mine, Tasmania 7(1):37W

Trevorite

Tumut Serpentinite Province, New South Wales 7(1):6, 8

Triazolite

Pabellón de Pica, Chanabaya, Chile 20(1):60f, 61f

Tridymite

Anakies volcanoes, Victoria 21(1):32, 36f

Mt Shadwell, Victoria 14(1):39f

Triplite, see also Zwieselite-triplite

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Unknown 1 and 2

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