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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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Grandview mine 14(2):51-54



Mammoth-St Anthony mine, Tiger 7(2):46  
Pusch Ridge, Santa Catalina Mountains 20(1):60f; 25(1):33  
Rowley mine 20(1):60f, 61f; 22(2):43, 43f

**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:**

Blue Lizard mine, Red Canyon, San Juan County 24(1):65  
Markey mine 20(1):60f, 61f  
Ophir Hill Consolidated mine, Ophir District, Toele County 22(2):41, 41f

**Vietnam:**

Khe Khi, An Phú village, Luc Yen 21(2):82f  
25(2):74

**Wales:**

Moelfre, Anglesey 22(1):7-14, 8-13f  
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  
Broken Hill, New South Wales 25(2):7, 7f  
Paddys River Valley, Australian Capital Territory 22(1):33, 34f  
**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

Paddys River Valley, Australian Capital Territory 22(1):38, 34f, 36f

**Airdite**

Spring Creek copper mine, Wilmington, South Australia 21(2):37, 37f; 25(2):23f

**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**

NBHC mines, Broken Hill, New South Wales 25(2):7, 7f

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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):17, 18f

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

Zomba, Malawi 2(1):32W

**Alcantarillaite**

Spain? 25(2):20f

**Aldermanite**

Moculta quarry and Penrice quarry, Angaston, South Australia 6(2):108f; 17(1):10f, 11, 11f; 23(1):5, 6, 8, 9a, 11, 19, 22, 24

**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**  
Donnybrook goldfield, Western Australia 24(1):30  
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

Kingsgate, New South Wales 25(2):46, 46f, 47f

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

Paddys River Valley, Australian Capital Territory 22(1):33, 33f, 34f

### **Angastonite**

Penrice quarry, Angaston, South Australia 14(2):62W; 17(1):10f, 12, 12f; 21(2):38,38f; 23(1):5, 6, 8f, 13, 14, 15f, 16, 22, 23f, 24f; 25(1):5, 6f, 7f, 7

### **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

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 34, 34f, 40f

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

### **Anilite**

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f

### **Ankerite**

Magnet mine, Tasmania 1(1):9

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

Paddys River Valley, Australian Capital Territory 22(1):42, 34f

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

### **Anthophyllite**

Paddys River Valley, Australian Capital Territory 22(1):33, 34f

### **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

Paddys River Valley, Australian Capital Territory 22(1):43, 34f

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  
DeGrussa mine, Western Australia 22(2):37f  
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  
Paddys River Valley, Australian Capital Territory 22(1):42, 34f, 42f  
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

#### **Armalcolite**

Argyle lamproite, Kimberley Region, Western Australia 24(2):10, 11, 23f;

#### **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  
**Arsensumebite**, *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  
Iron Monarch mine, South Australia 24(2):45f  
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  
Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 34,  
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; 24(1):24f,  
Burra Burra mine, South Australia 6(2):65f; 20(1):22f  
Cave Hill quarry, Lilydale, Victoria 13(2):77f  
Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 34,  
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  
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):22, 18f, 22f, 23f, 24f  
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  
Paddys River Valley, Australian Capital Territory 22(1):42, 34f, 42f  
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

**Babingtonite**  
Paddys River Valley, Australian Capital Territory 22(1):34, 34f

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

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

**Bannisterite**  
Zinc Corporation mine, Broken Hill. New South Wales 15:63f; 25(2):8, 8f

**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  
Iron Monarch mine, South Australia 24(2):46  
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  
Morocco 6(2):73f  
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  
Paddys River Valley, Australian Capital Territory 22(1):38, 34f,  
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  
Waiwera, Auckland region, New Zealand 25(1):15-19, 15f, 16f, 17f, 18f, 19f  
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  
Dilwyn Bay, western Victoria 8(1):35-38f

**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

**Bementite**  
Paddys River Valley, Australian Capital Territory 22(1):34, 34f

**'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

Poona 22(2):35f

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

Kingsgate, New South Wales 25(2):47, 47f

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/segnitite**

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**

Paddys River Valley, Australian Capital Territory 22(1):43, 34f

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; 25(2):23f

**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

Kingsgate, New South Wales 25(2):47, 47f

**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; 47, 48f; 25(2):57-59, 60f, 61f

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; 48, 48f  
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  
Kingsgate, New South Wales 25(2):49, 49f

#### **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

#### **Bojarite**

Pabellón de Pica, Iquique Province, Tarapacá Region 22(2):45, 45f

#### **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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f  
Mount Lyell mines, Tasmania 21(2):21, 30f  
Olympic Dam, South Australia 18(2):56W, 57, 57f  
Paddys River Valley, Australian Capital Territory 22(1):36, 34f, 36f, 37f,  
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  
Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):32f, 33f, 34, 34f-37f, 39f  
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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):24, 18f  
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  
Paddys River Valley, Australian Capital Territory 22(1):43, 34f  
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

**Brookite**

Kingsgate, New South Wales 25(2):46, 46f, 47f

**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; 25(2):8, 8f

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

Western Australia 24(1):5-11, 22, 23f, 24f,

**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; 25(2):8, 9f

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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):23, 18f, 24f  
 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  
 Paddys River Valley, Australian Capital Territory 22(1):38, 34f, 39f  
 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; 25(2):23f

**Carlsbergite**

Arizona, USA 1(2):31W

**Carmeltazite**

Mount Carmel, Haifa District, Israel 22(2):44, 44f

**Carminite**

Kingsgate, New South Wales 25(2):49, 49f

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

### **Celadonite**

Northeastern Cambodia 25(2):35, 40f, 41

### **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; 24(1):24f,

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

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):32f, 33f, 35, 35f, 40f

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

Paddys River Valley, Australian Capital Territory 22(1):43, 34f

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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f,

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

Paddys River Valley, Australian Capital Territory 22(1):36, 34f,

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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):20, 18f, 20f  
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  
Paddys River Valley, Australian Capital Territory 22(1):36, 34f, 36f, 37f, 38f  
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  
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):23, 18f  
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**  
Villegun, France 21(1):58f

**Chamosite**  
Mount Lyell mines, Tasmania 21(2):23, 30f  
Paddys River Valley, Australian Capital Territory 22(1):34, 34f  
Temma, Tasmania 18(2):54W

**Chanabayaite**  
Mount Pabellón de Pica, Iquique Province, Tarapacá Region, Chile 22(2):42, 42f

**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

**Chinnerite**  
Penrice marble quarry, South Australia 25(1):5-11, 6f, 7f, 8f, 8a, 9XRD, 11f; 25(2):23f

**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  
Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 35, 35f, 48f  
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  
Iron Monarch mine, South Australia 24(2):48f  
Kintore opencut, Broken Hill, New South Wales 3(1):34  
Magnet mine, Tasmania 1(1):12  
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):24, 18f  
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  
Paddys River Valley, Australian Capital Territory 22(1):34, 34f  
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  
Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 34f, 34, 35f, 39f  
Crusader mine, north-west Queensland 8(2):72  
Day Dream mine, Silverton, New South Wales 3(2):107  
DeGrussa mine, Western Australia 22(2):36f, 37f  
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  
Mount Glorious mine, Cloncurry, northwest Queensland 23(1):37  
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):21, 18f  
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  
Villicun, 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**  
Paddys River Valley, Australian Capital Territory 22(1):35, 34f  
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; 24(2):46f  
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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):17, 18f  
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

Paddys River Valley, Australian Capital Territory 22(1):35, 34f

**Cloncurryite**

Great Australia mine, Cloncurry, Queensland 13(1):1f, 5-13afXRD; 21(2):41; 25(2):19

**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

**Coesite**

Argyle and Ellendale lamproites, Kimberley Region, Western Australia 24(2):11, 11f, 23f;

**Colchesterite**

Kingsgate, New South Wales 25(2):49,

**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

Western Australia 24(1):22, 23f

**Colquiriite**

Colquirii Mine, Bolivia 1(2):4

**Columbite-tantalite group**

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

Spargoville, Western Australia 22(2):35f

**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; 25(2):19

**“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

Paddys River Valley, Australian Capital Territory 22(1):43, 34f

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; 25(2):10,10f

Bundoora, Victoria 20(1):42, 42f

Burra Burra mine, South Australia 21(1):23f

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

DeGrussa mine, Western Australia 22(2):36f

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; 25(2):10, 10f  
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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):20, 18f, 20f  
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  
Paddys River Valley, Australian Capital Territory 22(1):41, 34f,  
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; 23(1):6, 8, 11, 13, 14, 16, 17, 22  
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; 22(1):53f, 54f, 55f, 56f; 23(1):27-31  
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; 24(1):24f,  
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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):21, 18f, 21f, 22f  
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  
Paddys River Valley, Australian Capital Territory 22(1):41, 34f  
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  
Villegun, 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  
Iron Monarch mine, South Australia 24(2):47f  
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-(NH<sub>4</sub>)**

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

**Diaboléite**

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

**Diamond**

Argyle AK1 mine, Kimberley, Western Australia 14(2):49f; 18(2):23, 24f; 22(2):38f; 24(2):11, 11f, 12f, 13, 13f, 23f;

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

Ellendale, Kimberley Region, Western Australia 24(2):11, 13, 13f, 23f;

Ellendale 9, mine, Western Australia 22(2):38f

**Dickite**

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

**Digenite**

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

Northparkes, New South Wales 4(1):7

Paddys River Valley, Australian Capital Territory 22(1):41, 34f

**Diopside**

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

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

Paddys River Valley, Australian Capital Territory 22(1):35, 34f

Tumut Serpentinite 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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):17, 18f

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

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

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

Paddys River Valley, Australian Capital Territory 22(1):38, 34f

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

Wallaroo 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

**Doughtyite**

Paddys River Valley, Australian Capital Territory 22(1):43, 34f

**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; 22(2):36f; 24(2):68-70

***Ducktownite – a variety of chalcocite***

24(2):61-64

**Dufrénite**

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

**Duffite**

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 Mine, Dundas 22(1): 53, 53f, 54f,

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

Paddys River Valley, Australian Capital Territory 22(1):42, 34f, 43f

**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

**Edoylerite**

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 open-cut, Broken Hill, New South Wales 16(1):47W, 47SEM; 21(2): 42, 43f; 25(2):22f, 23f

**Eglestonite**

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

**Elbaiterubellite variety**

Anjanabonoina, Madagascar 11(1):5f

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

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

**Ellestadite group**

Paddys River Valley, Australian Capital Territory 22(1):43, 34f

**Elliottite**

Tom's phosphate quarry, Kapunda, South Australia 23(1):13-20

**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**

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

Zomba, Malawi 2(1):32W

Zomba Plateau, Malawi 4(1):42W

**Epidote**

25(1):22-23

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

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

Cerro San Cristobal, Cañete Province, Lima, Peru 25(1):25f

Green Monster Mountain, Prince of Wales Island, Alaska, USA 25(1):20-21, 20f, 21f, 29f

Haramosh Valley, Gilgit-Baltistan, Pakistan 25(1):27f

Harts Range, Northern Territory, Australia 25(1):28f

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

Kara Mine, Tasmania 7(1):37W

Kharan District, Balochistan Province, Pakistan 25(1):23f, 24f, 25f, 27f

Mitchell Plateau, Western Australia 2(1):40f, 41W; 24(2):57-60; 25(1):26f

Northeastern Cambodia 25(2):35, 37, 39f, 41

North Eastern Province, Kenya 25(1):29f

Paddys River Valley, Australian Capital Territory 22(1):35, 34f, 35f

Rosario Mabel claim, Pampa Bianca District, Hauncavelica, Peru 25(1):28f

**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, manganoan**  
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  
**Ferrihydrite**  
Paddys River Valley, Australian Capital Territory 22(1):41, 34f  
**Ferrimolybdate**  
Blue Hill quarry, Oberon, New South Wales 10(2):48f  
Kingsgate, New South Wales 4(2):112f; 25(2):50, 50f  
Mount Moliagul, Victoria 18(2):54W, 54f  
Paddys River Valley, Australian Capital Territory 22(1):41, 34f  
**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  
**Ferrociladonite**  
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  
Trutzhofmühle aplite, Hagedorf 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

Iron Monarch mine, South Australia 24(2):47f

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; 25(2):11f

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

Kingsgate, New South Wales 25(2):50, 50f

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

Rossignol 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; 24(2):48f

**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

**Françoisite-(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; 25(2):10, 11f  
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  
Paddys River Valley, Australian Capital Territory 22(1):37, 34f, 37f  
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  
Rossignol vein, Chaillac, France 3(2):129W  
Surprise mine, Northampton lead-copper field, Western Australia 24(1): 24(1):25f,  
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; 24(2):48f

**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 Serpentinite 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

**Gelosaite**  
Kingsgate, New South Wales 25(2):51, 51f

**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; 22(1):53, 53f, 54f, 55f  
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):17, 18f

**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

**Gittinsite**  
Mad Gap Yards, Kimberley Region, Western Australia 24(2):14, 14f, 23f;

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

**Glauconite**

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  
Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 56  
Dundas, Tasmania 12(2):81  
Gascoyne River, Western Australia 22(2):5-12, 7f, 8f, 9f, 10f, 10XRD, 11f  
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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):21, 18f, 22f  
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  
Paddys River Valley, Australian Capital Territory 22(1):42, 34f,  
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

23(2): 5-78

24(1):5-43, 57-63,

Aberfoyle River, New South Wales 4(2):99

Adelaide mine, Dundas, Tasmania 23(1):27-31

Amphitheatre mining centre, Avoca goldfield, Victoria 23(2):5-8, 6f, 7f, 8f,

Angepena gold field, Flinders Ranges, South Australia 15:44f

Aspasia mine, south of Mount Turner, Queensland 23(2):31f

Aurora Creek, Georgetown, Queensland 23(2):30f

Avoca, Victoria 23(2):5-15

Back Creek Goldfield, Tasmania 20(1):67W, 67f

Barbara mine, Coolgardie, Western Australia 14(2):58

Bathurst, New South Wales 23(2):69

Beaconsfield gold mine, Beaconsfield district, Tasmania 23(2):20, 21f

Bell Mountain goldfield, Moina/Cethana district, Tasmania 23(2):21, 21f

Beta Hunt mine, Kambalda, Western Australia 22(2):39-40, 39f, 40f; 23(2):78, 78f

Blythe Creek, near Beaconsfield, Tasmania 23(2):17

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

Busai gold mine, Woodlark Island 23(2):37-44

Byles gold mine, Mongolata gold field, Mt Lofty Ranges, South Australia 15:42-43f

Cobar Extended mine, south of Mount Turner, Queensland 23(2):32f

Coolgardie, Western Australia 5(2):87-88fW

Corkscrew Creek, Montacute, South Australia 15:39f

Corinna-Savage River-Heazlewood district, Tasmania 23(2):21, 22f

Creswick, Victoria 20(1):67W, 67f

Cumberland mine area, Queensland 23(2):30, 32-37

Cygnets gold mine, Tasmania 23(2):22

Disentis, Grisons, Switzerland 3(2):130W

Doctors Rocks, Tasmania 23(2):22

Dominion prospect, southern Cobar Basin, New South Wales 23(2):51-58

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

Etheridge goldfield, Queensland 23(2):27, 28f, 30

Federation deposit, New South Wales 23(2):51, 52f, 53, 54

Fimiston Open Pit, Kalgoorlie, Western Australia 24(1):5, 22, 22f

Georgetown Inlier, Queensland 23(2):27-36

Gladstone mine, Comet Vale, Western Australia 12(1):19

Goanna Patch alluvial mining area, Western Australia 15:53-60af

Golden Arrow mine, Broad Arrow, Western Australia 23(2):73f

Golden Mile, Kalgoorlie, Western Australia 24(1):6f, 27

Hannans gold mine, Kalgoorlie area, Western Australia 23(2):74f

Happy Jack mine, Comet Vale, Western Australia 12(1):16-17

Henty mine, Tasmania 23(2):22, 23f, 24f

Hera gold-zinc-lead-silver mine, New South Wales 23(2):51 52f, 53, 54, 55

Hercules mine, near Rosebery, Tasmania 23(2):23f, 24f  
Hopes Nose, Torquay, England 1(1):30f, W  
Inglewood, Victoria 1(2):29f, W  
Jane River district, Tasmania 23(2):22, 25  
Joe's Gully, Tooloom, New South Wales 4(2):93  
Jupiter Creek, Mylor, South Australia 17(2): 77f  
Kalgoorlie, Western Australia 23(2):77, 77f  
Kauri Chief gold mine, Woodlark Island 23(2):37, 45f, 47-48  
Kintore Shaft dumps, Broken Hill, New South Wales 7(1):36-37f  
Kulumandau gold mine, Woodlark Island 23(2):37-46, 47f  
Lake Yindergooda, near Bulong, Western Australia 22(2):38f  
Lefroy/Back Creek district, Tasmania 23(2):20, 20f  
Lisle district alluvial and eluvial gold deposits, Tasmania 23(2):20, 25  
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  
Maitland Bar near Hargraves, New South Wales 23(2):59-60  
Maldon, Victoria 15:32a, 33f  
Maletoyvayam ore field, Kamchataka, Russia 24(1):5, 6f  
Mangana-Mathinna-Waterhouse belt, Tasmania 23(2):20, 20f  
Matlock, Victoria 6(2):88f  
Mountain Hut alluvial deposit, Victoria 23(2):6, 6f, 7, 7f, 8f  
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; 23(2):22, 23f, 24, 24f,  
Mt Malcolm, Western Australia 6(2):96f  
Mt Shamrock mine, Queensland 6(2):85f  
Nanine gold mine, Murchison District, Western Australia 23(2):61,63f  
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  
Ophir, near Bathurst, New South Wales 23(2):69  
Ora Banda, Western Australia 24(1)6f,  
Orient mine, Lake Austin, Western Australia 23(2):61-67  
Paddys River Valley, Australian Capital Territory 22(1):39, 34f, 40f, 41f  
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  
Poseidon gold mine, Western Australia 23(2):72f  
Rosebery-Hercules-Mount Read district, Tasmania 23(2):22  
Sandaowanzi gold deposit, North East China 24(1):5,  
Sandstone, Western Australia 22(2):38f  
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  
The *Royal Charter*, Anglesey, Wales 22(1):5-14  
Ti Tree Creek, Queensland 23(2): 30f, 33-37  
Tumut Serpentinite Province, New South Wales 7(1):6, 8  
Victoria Gold mine, Montacute, South Australia 17(2):60f  
Wilbebest alluvial gold mine, Victoria 23(2):5,6f, 7, 7f, 8f  
Woodlands, Gascoyne region, Western Australia 14(1):27-36fSEM  
Woodlark Island, Papua New Guinea 23(2):37-49



Yalgoo, Murchison Goldfield, Western Australia 23(2):72f  
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  
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f  
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  
Paddys River Valley, Australian Capital Territory 22(1):35, 34f  
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

**Guitermanite**

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

Lake Yindarlgooda, near Bulong, Western Australia 24(1):58f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 26

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):24, 18f

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

Paddys River Valley, Australian Capital Territory 22(1):43, 34f

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

Walleroo 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

**Haggertyite**

Walgidee Hills, Kimberley Region, Western Australia 24(2):14, 14f, 23f;

**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

West Kimberley Province, Western Australia 24(2):14, 15, 23f;

**Hastingsite**

Paddys River Valley, Australian Capital Territory 22(1):35, 34f

**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

Paddys River Valley, Australian Capital Territory 22(1):41, 34f

**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**

Broken Hill 16(2):103f

North mine, Broken Hill, New South Wales 3(1):19f

Paddys River Valley, Australian Capital Territory 22(1):35, 34f

**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  
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):21, 18f  
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  
Paddys River Valley, Australian Capital Territory 22(1):38, 34f, 36f, 42  
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

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 36, 36f

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

Paddys River Valley, Australian Capital Territory 22(1):39, 34f,

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

Henty mine, Tasmania 23(2):24f

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

Vatukoula gold mines, Viti Levu, Fiji 7(2):69

Woodlark Island, Papua New Guinea 23(2):47-49

**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; 25(2):23f

**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

Paddys River Valley, Australian Capital Territory 22(1):35, 34f

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

Broken Hill, New South Wales 25(2):11, 11f

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

**Hydrogrossular**

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

**Hydrohonestite**

Otter Shoot Ni-mine, Kambalda, Western Australia 6(2):115f

**Hydrokenoelsmoreite**

Paddys River Valley, Australian Capital Territory 22(1):41, 34f

**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; 25(2):23f

### **Ichnusaite**

Kingsgate, New South Wales 25(2):52, 52f

### **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**

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 36, 36f

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

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f

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

Paddys River Valley, Australian Capital Territory 22(1):35, 34f

### **Imenite**

Bundoora, Victoria 20(1):46, 47f; 21(1):61f

Lake Taupo, New Zealand 19(2):36

Lethbridge quarry, Golden Plains Shire, Victoria 23(1):42f

Rollinsons quarry, near Malmsbury, Victoria 16(2):99, 100, 100f

### **Ilvaite**

Broken Hill, New South Wales 25(2):11, 11f

Mt Stewart mine, Leadville, New South Wales 5(1):30-31

Paddys River Valley, Australian Capital Territory 22(1):35, 34f

### **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; 25(2):11, 11f

### **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; 23(1):5,13

**Jahnsite-(NaMnMg)**  
White Rock No. 2 quarry, Bimbowrie Conservation Park, South Australia 20(1):65W; 21(2):46, 46f; 25(2):23f

**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**  
Almanda 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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):24, 18f, 25f  
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  
Paddys River Valley, Australian Capital Territory 22(1):43, 34f  
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

**'Jasper'**  
Northeastern Cambodia 25(2):25-44, 36f, 37f, 38f, 39f, 40f, 40XRD, 43f,

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

**Jeppelite**  
Walgidee Hills, Kimberley Region, Western Australia 6(2):115f; 24(2):15, 15f, 23f;  
Ellendale, Kimberley Region, Western Australia 24(2):15;

**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- $\alpha$  and  $\beta$** 

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

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f

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; 23(1):5, 13; 25(2):19

**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

**Kenngottite**

Czech Republic? 25(2):20f

**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; 25(2):23f, 52, 52f, 53f

**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; 24(2):49f

Kintore opencut, Broken Hill, New South Wales 3(1):47,49f

***Knebelite***, see ***Fayalite***, ***manganoan***

**Kobellite**

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

**Koehlinite**

Kingsgate, New South Wales 25(2):53, 53f

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, Western Australia 18(1)13, 13f

Western Australia 24(1):8,9

***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  
Paddys River Valley, Australian Capital Territory 22(1):43, 34f

**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  
Paddys River Valley, Australian Capital Territory 22(1):35, 34f  
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; 25(1):33, 33f

**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

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 36

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

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):23, 18f, 24f

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  
Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):32f, 33f, 36-38, 39a, 40f  
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

**Liversidgite**  
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  
NBHC mine, Broken Hill, New South Wales 25(2):13, 13f

**Loveringite**  
Jimberlana intrusion, Norseman, Western Australia 6(2):116  
Mad Gap Yards, Kimberley Region, Western Australia 24(2):16, 16f, 23f;

**Lucasite-(Ce)**  
Argyle AK1 diamond mine, Kimberley, Western Australia 6(2):117; 24(2):16, 16f, 23f;

**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

**Magnesio-arfvedsonite**  
Aries kimberlite and Bow Hill dykes, Kimberley Distric, Western Australia 24(2):16, 23f;

**Magnesiobermanite**

White Rock No. 2 quarry, Bimbowrie Conservation Park, South Australia 20(1):65W; 21(2):50, 50f; 25(2):23f

**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

Paddys River Valley, Australian Capital Territory 22(1):38, 34f, 38f, 39f

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; 24(1):24f,

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

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 39

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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):23, 18f, 24f  
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  
Paddys River Valley, Australian Capital Territory 22(1):42, 34f, 42f  
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

**Mambertiite**  
Kingsgate, New South Wales 25(2):51f, 53, 53f

**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

**Manganoan magnetite (jacobsite)**  
NBHC mine, Broken Hill, New South Wales 25(2):12, 12f,

**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**

Broken Hill, New South Wales 25(2):13, 13f

Gascoyne River, Western Australia 22(2):8-11, 11f

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

Goongewa mine, Fitzroy Crossing, Western Australia 2(2):76W; 4(1):41fW

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):20, 18f, 20f

Northampton, Western Australia 18(1):44

Paddys River Valley, Australian Capital Territory 22(1):41, 34f

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; 25(1):49-55, 55f

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**

Paddys River Valley, Australian Capital Territory 22(1):43, 34f

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; 25(2):23f

**Mercury**

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

Jamieson mercury deposit, Victoria 9(1):35f, 36

**Merelaniite**

Merelani, Manyara Region, Tanzania 22(2):42, 43f

**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

**Metahalloysite**

Paddys River Valley, Australian Capital Territory 22(1):39, 34f,

**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

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f

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; 25(2):23f

**Miersite**

Broken Hill, New South Wales 6(2):117, 118f; 11(1):15f; 25(2):14, 14f

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**

Iron Monarch mine, South Australia 24(2):56f

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

Kingsgate, New South Wales 25(2):53

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; 25(2):14, 14f

**Minyulite**

Minyulo Well, Dandaragan, Western Australia 6(2); 118f; 23(1):21-25

Penrice marble quarry, South Australia 25(1):5, 6

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

#### **Moissanite**

Argyle lamproite, Kimberley Region, Western Australia 24(2):16, 17, 23f;

#### **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

Deepwater, New South Wales 24(1):47

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; 25(2):57-59, 60f,

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**

Iron Monarch mine, South Australia 24(2):49f

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; 24(2):50f

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

**Mundrabiliaite**

Petrogale Cave, near Madura, Eucla, Western Australia 6(2):119

**Muonionalustaite**

Cranbourne meteorites, Victoria 25(2):29-34, 30f, 31f, 32f, 33f,

**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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f

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

**Namibite**

Iron Monarch mine, South Australia 24(2):46f, 50f, 51f

**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; 25(2):23f

**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

**Niobaeschynite-(Ce)**

Aries kimberlite, Kimberley Region, Western Australia 24(2):17, 17f, 23f;

**Nissonite**

Iron Monarch, South Australia 6(1):17f; 24(2):51f

**Niter**

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

**Noélbensonite**

Wood's mine, near Bendemeer, New South Wales 4(2):104; 6(2):120

**Noonkanbahite**

Walgidee Hills, Kimberley Region, Western Australia 24(2):17, 23f;

**Nontronite**

Iron Monarch, South Australia 6(1):17

Northparkes, New South Wales 4(1):7

Paddys River Valley, Australian Capital Territory 22(1):39, 34f

**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; 25(2):19

**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  
Colac quarry, Colac Otway Shire, Victoria 23(1):41f,  
Day Dream mine, Silverton, New South Wales 3(2):107, 108f  
Kintore opencut, Broken Hill, New South Wales 3(1):31  
Miners Rest quarry, Ballarat, Victoria 23(1):41f, 42f  
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

### **Ophirite**

Ophir Hill Consolidated mine, Ophir District, Tooele County, Utah 22(2):41, 41f

### **Orthochrysotile**

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

**Owyhecite**

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

**Oxyplumboroméite**

Adelaide Mine, Dundas 22(1):53, 55f

**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 Serpentinite 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 Serpentinite Belt, New South Wales 7(1):8f

Tumut Serpentinite 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

**Paulingite**

Hukatere Peninsular, east of Kaipara Harbour 24(2):42, 42f, 43f

**Paulscherrerite**

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; 23(1):5, 13

**Pekoite**

Juno, Tennant Creek, Northern Territory 6(2):121

**Pennantite (?)**

Iron Monarch, South Australia 6(1):18

**Penriceite**

Penrice marble quarry, South Australia 23(1):5-11, 13, 14, 15f, 16, 17a, 18f, 19, 24; 25(1):5, 10; 25(2):23f

**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

Kimberley Region, Western Australia 24(2):17, 18f, 23f;

**Perroudite**

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

Western Australia 24(1):8, 9f, 22

**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 open-cut, 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**

Adelaide Mine, Dundas 22(1):53, 55f  
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  
Waiwera, Auckland region, New Zealand 25(1): 15, 16, 16f, 17f, 18f, 19f

#### **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; 25(2):23f

#### **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

#### **Potassic-richterite**

Kimberley Region, Western Australia 24(2):18, 19f, 20, 23f;

#### **Potassic-fluoro-richterite**

Kimberley Region, Western Australia 24(2):18, 19f, 20, 23f;

#### **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; 24(2):20, 20f, 21f;

Walgidee Hills, Kimberley, Western Australia 6(2):121

#### **Proudite**

Juno mine, Tennant Creek, Northern Territory 6(2):121

#### **Proustite**

#### **Pseudobolite**

Mammoth-St Anthony mine, Tiger, Arizona, USA 7(2):46f

Magnet mine, Tasmania 1(1):14

#### **Pseudobrookite**

Anakies volcanoes, Victoria 21(1):27-38, 29a, 29f, 30f, 31f, 32f, 33f; 23(1):42f

**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  
Iron Monarch mine, South Australia 24(2):52f  
Kintore opencut, Broken Hill, New South Wales 3(1):50  
Mount Glorious mine, Cloncurry, northwest Queensland 23(1):37  
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; 25(2):23f

**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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):20, 18f  
 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  
 Paddys River Valley, Australian Capital Territory 22(1):37, 34f, 36f,  
 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  
 Paddys River Valley, Australian Capital Territory 22(1):42, 34f  
 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; 25(2):15, 15f  
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  
Ptscheljad 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

Paddys River Valley, Australian Capital Territory 22(1):37, 36f  
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  
Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 39  
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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f  
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  
 Paddys River Valley, Australian Capital Territory 22(1):35, 34f  
 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  
 Porretta Terme and Val Nervia, northern Italy 22(2):13-29, 18-29f  
 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  
 Zinc Corporation mine, Broken Hill, New South Wales 25(2):15, 15f  
 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  
Wyloo Station, Pilbara, Western Australia 23(1):33-35

**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

**Ranciéite**  
Paddys River Valley, Australian Capital Territory 22(1):42, 34f, 42f

**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

**Reichenbachite**  
Mount Glorious mine, Cloncurry, northwest Queensland 23(1):37

**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

**Rhodochrosite-smithsonite series (*otavite*)**  
Kintore open cut mine, Broken Hill, New South Wales 25(2):14-15, 14f

**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

**Richterite**  
Bow Hill dykes, Kimberley Region, Western Australia 24(2):21, 23f;

**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  
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):22, 18f  
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

#### **Rowleyite**

Rowley mine, Painted Rock District, Maricopa County 22(2):43, 43f

#### **Roxbyite**

Olympic Dam mine, Roxby Downs, South Australia 6(2):122f

#### **Roymlillerite**

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; 25(2):19

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  
Paddys River Valley, Australian Capital Territory 22(1):38, 34f, 39f  
Sichuan Province, China 11(1):38W  
**Schertelite**  
Skipton Caves, Victoria 6(2):123  
**Schmidtit**  
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  
**Schuilingite-(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; 25(2):53, 53f  
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

**Seborgite**  
Blue Lizard mine, San Juan County, Utah, USA 24(1):65, 65f

**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**  
Kingsgate, New South Wales 25(2):49, 49f  
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**  
Iron Monarch mine, South Australia 24(2):53f  
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  
Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):23, 18f  
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  
Browne's shaft, Junction mine, Broken Hill, New South Wales 25(2):16, 16f  
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; 22(2):39-40, 39f, 40f  
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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):21, 18f, 21f  
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; 25(2):18, 18f

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):33f, 39, 39f

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

Broken Hill, New South Wales 25(2):10

Cliff workings, Red Rock field, Drake Goldfield, NSW 24(2):31, 33, 33f

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 Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):20, 18f

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

Paddys River Valley, Australian Capital Territory 22(1):37, 34f

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

**Srilankite**

Aries kimberlite, Kimberley Region, Western Australia 24(2):21, 21f, 23f;

**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  
Freehold Mine, Hillgrove, New South Wales 4(2):90f,92  
Getchell mine, Humboldt County, Nevada, USA 2(2):78W  
Hillgrove, New South Wales 4(2):89-92  
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  
Yao Gan Xian, China 11(1):38W

#### **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  
Red Lead mine, Dundas, Tasmania 12(2):104  
Stichtite Hill, Dundas, Tasmania 6(2):76f, 125, 126f; 12(2):103-104f, 105a  
Tunnel Hill, Dundas, Tasmania 12(2):104

#### **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  
Deccan Traps, India 16(1):42f  
Gladsome mine, Comet Vale, Western Australia 12(1):21  
King Island scheelite mine, Tasmania 10(2):68  
Lune River, Tasmania 18(1):65W  
Pashan Maharashtra, India 17(2): 58f  
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

#### **Stilbite-Na**

Lake Johnston greenstone belt, Norseman 22(1):47-50,48f, 48EDF, 49f, 50f

#### **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

### **Strelkinit**

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

Iron Monarch mine, South Australia 24(2):53f

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; 25(2):23f

### **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

Kingsgate, New South Wales 25(2):54, 54f

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

Paddys River Valley, Australian Capital Territory 22(1):39, 34f

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

Western Australia 24(1):5, 8, 9f, 22, 24f

**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

Paddys River Valley, Australian Capital Territory 22(1):36, 34f

Trimouns quarry, Luzenac, France 3(2):128fW

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

**Tancaite-(Ce)**

Kingsgate, New South Wales 25(2):54, 54f

**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

Paddys River Valley, Australian Capital Territory 22(1):36, 34f

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

**Tetraferriphogopite**

Kimberley Region, Western Australia 24(2):22, 22f, 23f;

**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

**Tewite**

Huaping County, southwestern China 22(2):44, 44f

**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; 25(2)23f

**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

Panasqueira, Portugal 25(1):45

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

**Tomaité, see Johntomaite [Correction: 6(1):2]**

**Tomichite**

Perseverance Mine, Kalgoorlie, Western Australia 6(2):125

**Tooeleite**

Kingsgate, New South Wales 25(2):54, 54f

**Topaz**

25(1):44

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

Mount Kelly (Mount Clark) copper deposit, Gunpowder District, Queensland 22(1):19, 18f

**Tremolite**

Kara mine, Tasmania 7(1):37W

Paddys River Valley, Australian Capital Territory 22(1):36, 34f

**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**

**Triploidite**

Iron Monarch mine, South Australia 24(2):54f

**Tschernichite**

Neer Road pit, Goble, Oregon, USA 11(1):13f

Waitakere Ranges, North Island, New Zealand 19(2):15-19, 17f, 18a,LRS

**Tsumcorite**

Kintore opencut, Broken Hill, New South Wales 3(1):62, 64f

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

**Tsumebite**

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

**Tsumebite-arsentsumebite**

Block 14 opencut, Broken Hill, New South Wales 3(1):53, 54f, 56f

**Tucekite**

Kanowna, Coolgardie, Western Australia 6(2):126

**Tuhualite**

Opo Bay, Mayor (Tuhua) Island, New Zealand 8(1):41W; 19(2):32, 33f

**Tungsten (VI) oxide hemihydrate**

Elsmore, New South Wales 8(2):58XRD

**Tungstenite**

Bismuth, near Torrington, New South Wales 4(2):78

Walleroo mine, Torrington, New South Wales 4(2):78

**Tungstite**

Fielders Hill, near Torrington, New South Wales 4(2):111

Kingsgate, New South Wales 4(2):111

Nambucca River, New South Wales 4(2):111

**Turquoise see also Chalcosiderite**

Ammaroo, Northern Territory 7(1):22f

Back Creek, Tasmania 7(1):37W

Den Ranges, Tasmania 18(2):55W

Girilambone copper deposits, New South Wales 11(2):98

Iron Monarch, South Australia 2(1):22f; 24(2):54f

Kintore opencut, Broken Hill, New South Wales 3(1):53-54,56f

Mt Oxide, Queensland 2(1):7f, 9, 10a

Moculta quarry, South Australia 17(1):10f, 26, 26f

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 31, 31f, 34f, 35

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

Woodlands, Gascoyne region, Western Australia 14(1):29-31fSEM

**Ulrichite**

Lake Boga, Victoria 6(2):49f, 126f; 21(2):80, 81f

**Ungarettiite**

Hoskins Mine, Grenfell, New South Wales 1(2):36; 6(2):126f

**Unidentified Hg-Ag halides**

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

**Unidentified Fe-Pb arsenate**

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

**UK01**  
Iron Monarch, South Australia 6(1):20

**UK02**  
Iron Monarch, South Australia 6(1):20

**UK03**  
Iron Monarch, South Australia 6(1):20

**UK04**  
Iron Monarch, South Australia 6(1):20

**UK05**  
Iron Monarch, South Australia 6(1):21

**UK1: Iron-zinc phosphates**  
Broken Hill, New South Wales 3(1):66

**UK2: Fe-analogue of plumbogummite-philipsbornite series**  
Broken Hill, New South Wales 3(1):66

**UK3: Tsumcorite-like minerals**  
Broken Hill, New South Wales 3(1):66

**UK4: Cu-Zn sulphate**  
Broken Hill, New South Wales 3(1):66

**UK5:**  
Broken Hill, New South Wales 3(1):66

**UK6: Cu-Pb arsenate**  
Broken Hill, New South Wales 3(1):67

**UK7: Cu-Pb sulphate**  
Broken Hill, New South Wales 3(1):67

**UK8: Cu-Zn silicate**  
Broken Hill, New South Wales 3(1):67

**UK9: Cu phosphate**  
Broken Hill, New South Wales 3(1):67

**UK10: Brushite-like material**  
Broken Hill, New South Wales 3(1):67

**UK11: Ce-Pb phosphate**  
Broken Hill, New South Wales 3(1):67

**UK12: Pb-REE phosphate**  
Broken Hill, New South Wales 3(1):67f

**Unknown**  
Day Dream mine, Silverton, New South Wales 3(2):108  
Womobi mine, northern Victoria 17(1):36

**Unknown #1**  
Borambil, New South Wales 2(1):16-18f,20a

**Unknown No.1**  
Spring Creek mine, Wilmington, South Australia 2(2):69

**Unknown No.2**  
Spring Creek mine, Wilmington, South Australia 2(2):69

**Unknown 1 and 2**  
Nifty copper mine, Western Australia 8(2):52

**Unknown Ca-Fe-phosphate**  
No.2 workings, Mt Painter, South Australia 9(1):24

**Unknown - Cu Bi Ca phosphate**  
Lake Boga, Victoria 2(2):48-49f

**Unknown Mn-Cr-Pb-Oxide**  
Red Lead mine, Dundas, Tasmania 12(2):86a

**Unknown lead iron silicate**  
Broken Hill, New South Wales 3(1):82

**Unknown primary U-Pb-Mn mineral**  
No.2 workings, Mt Painter, South Australia 9(1):26-27f

**Unknown mineral**  
Kingsgate, New South Wales 25(2):55f, 56f

Spring Creek mine, Wilmington, South Australia 5(2):60-61  
**Unknown zinc iron silicates**  
Broken Hill, New South Wales 3(1):82  
**Unnamed**  
Whim Creek mine, Western Australia 4(1):26  
**Unnamed Bi<sub>3</sub>(Te,S)<sub>2</sub>**  
Maldon, Victoria 15:34af  
**Uraninite**  
East Painter prospect, Mt Painter, South Australia 9(1):29  
Mount Lyell mines, Tasmania 21(2):30f  
Torrington, New South Wales 9(1):32f  
**Uranophane-β**  
No.2 workings, Mt Painter, South Australia 9(1):1f, 27, 28f  
*Uranosphaerite*  
Mt Painter, South Australia 9(1):29d  
**Urea**  
Lake Rason Cave, Toppin Hill, Western Australia 6(2):126  
**Uricite**  
Dingo Donga Cave, Madura, Eucla, Western Australia 6(2):127  
**Uroxite**  
Markey mine, Utah, USA 20(1):60f, 61f  
**Ushkovite**  
Monmouth County, New Jersey, USA 16(2):74f  
Tom's quarry, Kapunda, South Australia 17(1):10f, 26, 26f  
**Uvarovite**  
Fontenoy Mine, Wambidgee Serpentinite Belt, New South Wales 7(1):11f, 12a  
Lucknow, near Orange, New South Wales 6(1):29f, 30  
Tumut Serpentinite Province, New South Wales 7(1):6, 9, 10  
**Valleriite**, see also **Tochilinite-valleriite series**  
**Vanadinite**  
Braeside lead field, Pilbara, Western Australia 13(2):61-62SEM  
Elizabeth Hills Mine, Dampier, Western Australia 6(1):42fW  
Iron Monarch, South Australia 6(1):20  
Magnet mine, Tasmania 1(1):15  
Mibladen, Morocco 1(2):30W; 7(1):22f; 9(1):6f  
Shangri La mine, Kimberley, Western Australia 16(1):22,23f  
**Vanderheydenite**  
Broken Hill, New South Wales 18(1):66W; 21(2):58, 58f  
**Variscite**  
Den Ranges, Tasmania 18(2):55W, 56f  
Great Australia mine, Cloncurry, Queensland 7(1):36W  
Iron Monarch, South Australia 1(2):29fW; 2(1):23f; 24(2):55f  
Kintore opencut, Broken Hill, New South Wales 3(1):54  
Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):17-36, 34a  
Mt Oxide, Queensland 2(1):7-8f, 9,10a  
Nifty copper mine, Western Australia 8(2):52  
Silver Coin mine, Humboldt County, Nevada USA 2(2):78W  
Tom's quarry, Kapunda, South Australia 17(1): 10f, 26, 27f  
Woodlands, Gascoyne region, Western Australia 14(1):27-36f  
**Variscite-strengite**  
Pinnacles mine dumps, Broken Hill, New South Wales 3(2):126W  
**Vauquelinite see also Fornacite-vauquelinite**  
Iron Monarch, South Australia 6(1):20  
**Vésigniéite**  
Gold Quarry mine, Eureka County, Nevada, USA 2(2):78W  
Spring Creek mine, Wilmington, South Australia 2(2):69; 5(2):58f,60f



**Vesuvianite**

Jeffrey mine, Asbestos, Quebec, Canada 11(1):38W  
Tumut Serpentinite Province, New South Wales 7(1):6, 10  
Wessels mine, Kalahari manganese field, South Africa 7(1):41W  
Wood's Reef, Barraba, New South Wales 4(2):99

**Veszelyite**

Staitstep vein, Leadhills-Wanlockhead area, Scotland 1(1):31W

**Violarite**

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):61a, 66  
Mt Keith, Western Australia 11(1):6f

**Vittinkiite**

Rosebery mine, Tasmania 21(1):69W, 69f

**Vivianite**

Colac quarry, Colac Otway Shire, Victoria 23(1):42f  
Fairview deposit, South Australia 17(1):10f, 27, 27f  
Kanunnah Bridge, Arthur River district, Tasmania 18(2):54W; 23(1):40W, 40f  
Monmouth County, New Jersey, USA 16(2):71f  
Spring Creek mine, Wilmington, South Australia 2(2):69  
Wannon Falls, near Hamilton, Victoria 6(2):88f

**Volborthite**

Spring Creek mine, Wilmington, South Australia 5(2):58

**Vonbezingite**

Kalahari manganese field, South Africa 5(2):91W

**Wadeite**

Walgidee Hills, Kimberley, Western Australia 6(2):127; 24(2):22, 22f, 23f;

**Waipouaite**

Aranga quarry, Waipoua district, Auckland, New Zealand 21(2):78, 78f

**Wairakite**

Wairakei Geothermal Field, Taupo, New Zealand 19(2):33,33f

**Wairauite**

Red Hills, Wairau Valley, Marlborough, New Zealand 19(2):33

**Walentaite**

Griffins find gold deposit, Western Australia 20(1):13, 15f

**Wardite**

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 33,  
Tom's quarry, Kapunda, South Australia 17(1):10f, 27, 27f  
Woodlands, Gascoyne region, Western Australia 14(1):27-36fSEM

**Warkite**

Murchison meteorite, Murchison, Victoria 21(2):59

**Waterhouseite**

Iron Monarch mine, Iron Knob, South Australia 13(1):51W, 21(2):59, 59f; 24(2):56f

**Wattersite**

Clear Creek claim, New Idria, San Benito County, California, USA 3(2):130W

**Wattevilleite**

13(1):41-45

**Wampenite**

Wampen, Thiersheim, Germany 20(1):60f

**Wardite**

Iron Monarch mine, South Australia 24(2):55f

**Wavellite**

Back Creek, Tasmania 7(1):37W  
Den Ranges, Tasmania 18(2):55W, 56f  
Iron Monarch, South Australia 2(1):23f  
Moculta, Tom's and St John's quarry, South Australia 17(1):10f, 27, 27f, 28f  
Mt Oxide, Queensland 2(1):8f, 9  
Pwll Du beach, near Swansea, Wales 11(1):22f  
Silver Coin mine, Humboldt County, Nevada, USA 2(2):78W

**Waylandite**

Elsmore deposit, Elsmore, New South Wales 14(2):79-80fXRD

Moina, Tasmania 20(1):67W

**Weddellite**

25(2):63-64, 63f

**Weeksite**

No.2 workings, Mt Painter, South Australia 9(1):27, 28f, 30f

**“Weilerite”**

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

**Weissite**

The Golden Mile 18(1):14f

**Whewellite**

Baulkham Hills, New South Wales 8 (1):39

Cape Grim, Tasmania 9(1):48W

Colebrook Hill mine, Rosebery, Tasmania 9(1):48W

Hunter Valley, New South Wales 8(1):39

**Whiteite**

Hagendorf Süd pegmatite, Bavaria 19(1):10XRD, 16, 16f

**Whiteite-(MnMnMg)**

Iron Monarch quarry, Iron Knob, Middleback Range, South Australia 21(2):59

**Whiterockite**

White Rock Number 2 quarry, Olary, South Australia 2(2):69f; 21(2):59, 59f; 25(2):23f

**Whitmoreite, see Beraunite****Wickmanite**

Cleveland mine, Luina, Tasmania 7(1):37W

**Widgiemoolthalite**

132 North Mine, Widgiemooltha, Kambalda, Western Australia 6(2):126f, 127

**Wildenauerite**

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

**Wilhelmgümbelite**

Hagendorf Süd pegmatite, Bavaria 19(1):10XRD, 13-15, 14f

**Wilkinsonite**

Warrumbungle Volcano, New South Wales 6(2):127

**Willyamite**

Consols mine, Broken Hill, New South Wales 6(2):127f

Wittichenite, Mount Gunson, South Australia 16(2):63-68

**Wodginite**

Wodgina, Pilbara, Western Australia 6(2):127

**Wolframite (*Wolfram*)**

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

Carter’s Cut, Torrington area, New South Wales 4(2):77f

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

Panasqueira, Portugal 25(1):45

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

Torrington area, New South Wales 4(2):77f, 78

**Woodallite, see also Stichtite-woodallite series**

MKD5 nickel deposit, Mt Keith, Western Australia 9(2):67,68f; 21(2)60, 60f

Mt Keith mine, Western Australia 7(2):83fW

**Woodwardite**

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

**Woodhouseite**

Iron Monarch mine, South Australia 24(2):56f

Mount Lyell mines, Tasmania 21(2):29, 30f

**Wortupaite**

Worturpa mine, Gammon Ranges, South Australia 25(2):23f

**Wulfenite**

Bleiberg, Carinthia, Austria 16(1):7f

Crown Lands lease, south of Gladsome mine, Comet Vale, Western Australia 12(1):21  
Junction Mine, Broken Hill, New South Wales 3(1):18f  
Kingsgate, New South Wales 4(2):111; 25(2):55, 55f  
Kintore opencut, Broken Hill, New South Wales 3(1):64f, 66, 68-69f  
Penny West gold mine, Youanmi, Western Australia 18(1):29-32, 28f, 29f, 30f, 31f  
Tsumeb mine, Tsumeb, Namibia 21(1):56f  
San Francisco Mine, Sonora, Mexico 1(1):34W  
Sierra de los Lamentos, Chihuahua, Mexico 2(1):24f  
Whim Creek mine, Western Australia 4(1):1f, 23-25f, 28f; 21(1):57f; 22(2):36f

#### **Wupatkiite**

Lorena gold mine, Pumpkin Gully, Queensland 3(2):125W; 9(1):48fW

#### **Wurtzite**

Magnet mine, Tasmania 1(1):15

#### **Wycheproofite**

Wycheproof, Victoria 1(2):5f; 6(2):127f

#### **Xanthoxenite**

Tom's quarry, Kapunda, South Australia 17(1):10f, 27, 28f

#### **Xanthosiderite**

Magnet mine, Tasmania 1(1):15

#### **Xenotime**

Ibitiara City, Bahia State, Brazil 1(2):30W

#### **Xenotime-(Y)**

Mount Deverell variscite deposit, Milgun Station, Western Australia 20(2):19, 33

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

#### **Xonotlite**

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

#### **Yancowinnaite**

No. 3 lens, Kintore opencut, Broken Hill, New South Wales 16(1): 48W; 17(2):73-76, 73f, 74a, 76XRD;  
21(2):60, 61f

#### **Zavaritskite**

Fielders Hill, New South Wales 4(2):85

#### **Zdenekite**

Block 14 opencut, Broken Hill, New South Wales 5(1):47fW

#### **Zeolites**

Willy Wally Gully near Merriwa, New South Wales 16(2):79-86

#### **Zeunerite**

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

#### **Zinc**

Brunswick, Victoria 7(1):27-34

#### **Zincite**

Franklin, New Jersey, USA 2(1):28f; 16(2):61f

#### **Zinc-melanterite**

Teutonic Bore, Western Australia 2(1):26a

#### **Zincoberaunite**

Hagendorf Süd pegmatite, Bavaria 19(1):10XRD, 12, 12f

#### **Zincocopiapite**

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

#### **Zincolibethenite**

Block 14 opencut, Broken Hill, New South Wales 12(1):3-7f

#### **Zincostrunzite**

Hagendorf Süd pegmatite, Bavaria 19(1):10XRD, 12, 13f

#### **Zincrosasite, see also Rosasite**

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#### **Zinkenite**

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Annear, Robyn. Nothing but gold; the diggers of 1852. 5(2):93-94

Anthony, J.W., Bideaux, R.A., Bladh, K.W., and Nichols, M.C. Handbook of mineralogy. Volume II, silica, silicates. 2(1):29

Anthony, John, Bideaux, Richard, Bladh, Kenneth, and Nichols, Monte. Handbook of mineralogy, volume III, halides, hydroxides, oxides. 5(1):50

Bathey, M.H., and Pring, A. Mineralogy for students. 4(1):47

Bevans, Richard E. A mineralogy of Wales. 1(1):33

Birch, Bill, editor. Minerals of Broken Hill. 6(1):46-47

Birch, William D., and Henry, Dermot A. Gem minerals of Victoria. 4(1):46

Bottrill, R. S. and Baker, W. E. A catalogue of the minerals of Tasmania. 14(2):72

Cairncross, Bruce. The Desmond Sacco collection: focus on southern Africa. 7(2):73

Cairncross, Bruce. Field guide to rocks and minerals of southern Africa. 10(2):82

Cairncross, Bruce, and Dixon, Roger. Minerals of South Africa. 2(1):30

Cairncross, Bruce. Minerals & Gemstones of East Africa. 22(2):47, 48

Cairncross, Bruce, Beukes, Nicolas J. and Gutzmer, Jens. The manganese adventure. The South African manganese fields. 4(1):43

Cairncross, Bruce, Beukes, Nicolas J. The Kalahari manganese field; the adventure continues. 17(1):52

Carmen, Hugh. Collecting meteorites. Starting in your own back yard. 1(2):35

Chukanov, Nikita V. Mineralogical almanac, volume 8, 2005. Minerals of the Kerch iron-ore basin in Eastern Crimea. 11(1):42-43

Falster, Alexander et al., editors. Extra Lapis English language edition, publication no.7: Beryl and its color varieties. 11(1):42

Fetherston, J., Michael, Stocklmayer, Susan M. and Stocklmayer, Vernon C. Gemstones of Western Australia second edition. 18(2):82-83

Forsyth Tony. A practical guide to collecting minerals and crystals. 25(2):65-66

The F. John Barlow Mineral Collection. 3(2):131

Francis, Glyn L. Minerals of Iron Monarch. 16(1):51

Gaines, R.V., Skinner, H.C.W., Foord, E.E., Mason, B. and Rosenzweig, A. Dana's new mineralogy. 4(1):45

Gebhard, Georg. Tsumeb. 5(1):49

Giancarlo, Emiliani. De septaria. Guida alle septarie e al loro minerali e macrofossili. 2(1):29

Grguric, Ben. Minerals of the Burra Mine, South Australia. 1(2):35

Hansen Robin. Gemstones – a concise Reference Guide. 23(1):38

Hooper, Colin. Angor to Zillmanton - stories of North Queensland's deserted towns. 2(1):31

Horváth, László. Mineral species discovered in Canada, and species named after Canadians. 9(1):50

Jacobson, M. I., Calderwood, M.A. and Grguric, B. A. Guidebook to the pegmatites of Western Australia. 13(2):91

Kells, Stuart. ARGYLE – The impossible story of Australian Diamonds. 22(1):59-62

Klopogge JT and Lavinsky R. Photo Atlas of Mineral Pseudomorphism. 20(2):41

Lauf, Robert, J. Mineralogy of uranium and thorium. 20(1):64

Mineral. Computerised mineral database. 1(2):32

Minerals of the world. CD-ROM. 1(2):33

[Moroshkin, Vadim V. and Frishman, Nikolay] Mineralogical Almanac, volume 4. Dalnegorsk. 8(2):87

Murphy, Patrick C., and Murphy, James N. Fossicking for minerals in the Arkaroola Bore area, South Australia. 5(2):93

Nomenclature of minerals: a compilation of IMA reports. 5(2):94

Pekov, Igor V. Minerals first discovered in the territory of the former Soviet Union. 4(1):46-47

Pezzatto, F. Madagascar. Special issue No. 17 of Lapis. 6(1):45

The photo-atlas of minerals. CD-ROM 5(1):49-50

The photo atlas of minerals. DVD-ROM, version 2.0. 13(1):40

Plimer, Ian. A journey through stone: the Chillagoe story. 3(2):131

Pogson Ross and Australian Museum Staff. Mineral Icons of the Australian Museum. 24(1):64

[Popova, Valentina I., Popov, Vladimir A. and Kanonerov, Alexander A.] Mineralogical Almanac, volume 5. Murzinka: Alabashka pegmatite field. 8(2):87

Robinson, George W. Minerals. 1(2):32

Schmetzer, Karl. Russian alexandrites. 16(1):50

Szakáll, Sándor, editor. Minerals of the Carpathians. 9(2):103

Thomas, Ross. The classic Robert Logan Jack map collection. 5(2):94

Tindle, A. G. Minerals of Britain and Ireland. 14(1):26

Webb, Gayle and Sutherland, Lin. Gemstones of New England, New South Wales. 8(2):87

Woolrych, Thomas RH. Rocks, Fossils and Formations-Discoveries through time. 25(1):31-32

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Zeehan Gem and Mineral Fair, 5-7 November 2004. 10(2):79-80

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The 2024 Joint Mineralogical Societies of Australasia Seminar Report, *Speakers Choice*, with abstracts and speaker biographies. 25(2):71-79

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