MACDONALDITE

United States

California

Fresno County 9:(113)

Rush Creek, Fresno 9:(114)

MACEDONIA

Formerly Yugoslavia

Allchar, near Majdan 1:136s, 8:390s, 9:113s, 24:236s, 24:437-449h,g,m,p

MACFALLITE

United States

Michigan

Copper Harbor (near), Keweenaw County 8:(517)

Manganese Lake (near), Keweenaw County (announced; fibrous to 1 cm) 11:111h,q

Manganese mine, Keweenaw County (radial sprays) 23:M63p, 23:M66

White Pine mine, Ontonagon County (traces) 23:M66

MACHATSCHKIITE

Germany

Baden-Württemberg

Anton mine, Schwarzwald (announced; crusts) 9:115

MACKAYITE

Mexico

Sonora

San Miguel prospect mine (1 mm drusy) 1:41

United States

Nevada

Goldfield, Esmeralda County (2 localities) 16:48h

MACKINAWITE

Australia

Queensland

Mt. Isa mine 19:481

Finland

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MACQUARTITE

United States

Mammoth mine, Pinal County (micro prismatic) 11:169

MADAGASCAR

Malagasy Republic

Ambatofinandrahana 25:60s

Ambatofotsikely 5:4s

Androy 24:50s, 24:230s

Anjanabonoina 15:118s, 17:145s, 19:116s, 20:191-200p,m,h,g, **24:**50s

Antsakoa I pegmatite, near Berere 10:52s

Antsirabe 9:115s

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Ibity Mountain (Mt. Bity?), Antsirabe 19:337s

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Tambobolehibé 22:390s

Tranomaro 19:337s

MADOCITE

Canada

Ontario

Madoc (near) 13:94, 13:95p,q Taylor farm, near Madoc 13:(80)

MAGADIITE

Canada

Ouébec

Mt. St-Hilaire: 18:364n; powdery 21:321

MAGHAGENDORFITE

United States

South Dakota

Dyke lode, Pennington County 17:298

MAGHEMITE

Italy

Tuscany

Upper Valdarno (massive) 25:298n

Namibia

Tsumeb 13:142c

MAGNESIO-ARFVEDSONITE

Canada

Ouébec

Mt. St-Hilaire (prismatic to 9 cm) 21:321

South Africa

Cape Province

Wessels mine (in thin sections) 22:288, 22:296a

United States

Colorado, Wyoming, Utah

Green River formation 8:368-371

MAGNESIO-AXINITE

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Axinite group nomenclature 11:13–15

Australia

New South Wales

London Bridge, near Queanbean 11:(13)

United States

Nevada

Luning, Mineral County (crystals to 1 cm) 11:13-14q

MAGNESIOCHROMITE

United States

Maryland

Etchison mine (Mg-rich, Cr-poor) 12:153n Pennsylvania/Maryland

Line pit, State Line district (massive; micro crystals) 12:153

MAGNESIOFERRITE

Germany

Baden-Württemberg

Kaiserstuhl 17:(136)

MAGNESIOHORNBLENDE

See also Hornblende

Canada

Ouébec

Mt. St-Hilaire (1 cm phenocrysts) 24:388n

United States

New Mexico

San Marcial quarry, Socorro County 20:61

MAGNESITE

Australia

Queensland

Mt. Isa mine (massive) 19:482

Western Australia

132 North deposit, Widgiemooltha district (massive; some nickeloan) 25:290

Austria

Oberdorf an der Laming mine, Styria 17:110n Brazil

Bahia

Brumado: 23:276n; complex fluid inclusions in 10:55p; crystals to 3 cm 25:212p, **25:**215; crystals to 30 cm **9:**200p, **9:**201–

Pomba pit, Brumado 20:(394)

Canada

Québec

Mt. St-Hilaire: 18:364n; rhombs to 2 mm 21:321

Chile

Chuquicamata 9:(324)

Czech Republic (formerly Czechoslovakia)

Podrečany 20:299

France

Mine de la Mur, Isére (ferroan, "mesitite"; 2.5 cm discoidal) 8:404

Italy

Dosso dei Cristalli, Val Malenco (brown prismatic to 1 cm) 3:123

Spain

Eugui quarries, Navarra (lenticular to 5 cm) **22:**141p

United States

Arizona

Sacramento stock (near), Bisbee district 12:307

California

Jensen quarry, Riverside County (chalky masses) 15:280

Connecticut

Becker quarry, Tolland County (1 cm rhombs) 25:377n

Pennsylvania/Maryland

Line pit, State Line district (some crystals) 12:154

MAGNESIUM-CHLOROPHOENICITE

United States

New Jersey

Franklin **19:**(274)

MAGNETIC MINERALS

Microminerals column feature 17:135-140

MAGNETITE

Bacteria containing magnetite "compasses" 11:54

Cubic (3 localities) 4:236, 10:43

Flattened twin 14:365d

Toxicity 11:9

Argentina Volcán Payun Matru, Mendoza province (hematite after large skeletal octahedra) 22:387n

Queensland

Mt. Isa mine 19:48

South Australia

Moonta mines **19:**(412) Wallaroo mines 19:(413)

Austria Totenkopf, Salzburg 17:(107)

El Dragón mine, Potosí (grains) 21:139n

Brazil

Bahia

Boquira mine, near Oliveira do Brejinho (micro octahedra) 6:285

Pedra do Ferro prospect, Brumado district (crystals to 3 cm) 9:201

Minas Gerais

Fazenda Guariba 17:192n

Itabira 17:339n

Jaguaraçu pegmatite (crystals to 10 cm; intergrown with hematite, rutile, euxenite) 25:169

Ouro Preto region 20:228p

Paraíba

Alto Benedito pegmatite (rounded, to 1 cm) 22:185n

São Paulo

Jacupiranga mine (crystals to 5 cm; some polysynthetic twins) 15:265p, 15:269

Canada

British Columbia

Ice River complex (2 mm octahedral) **12:**224 Mt. Washington mine, Vancouver Island **15:**(90)

Northwest Territories

Port Radium 20:(207)

Nova Scotia

Digby Neck (hematite after, "martite") 1:(84) Ontario

Craigmont corundum mine, Renfrew County 13:(202)

Davis Hill (grains) 21:244

Faraday (Madawaska) mines, near Bancroft (euhedral to 10 cm) **13:**76–77p

Princess sodalite mine, near Bancroft **13:**76–77, **13:**(227), **21:**244

Québec

Marbridge #1 mine, Malartic district (after chrysotile) 7:178p

Orford mine (micro crystals) **25:**340 Shawville (near) **17:**136p

Sherbrooke **20:**219

Chile

Chuquicamata (after hematite) 9:324

England

Cornwall

Botallack district 24:281n

France

Les Farges mine, Corréze **13:**(267)

Germany

Rheinland-Pfalz

Laacher See area, Eifel district 8:317d, 10:91p

Greenland

Frederiskshåb (Paamiut) (near) (euhedral to 3 mm) **24:**G15

Gardiner complex: modified octahedral to 20 cm **24**:G54–56p,d,c; odd morphology **16**:488–489c,p,d

Narssârssuk (dodecahedral to 2 cm) **5:**122 Sarfartôq complex (massive; euhedral to 3 cm) **24:**G49

Italy

Lombardy

Baveno area (massive) **14:**164 Corna Rossa, Val Malenco **10:**87

Sicily

Lachea, Cyclopean Islands 17:205n

Tuscany

Boccheggiano and Niccioleta mines (massive, granular) 10:286

Buca della Vena mine 17:265, 17:266p

Kazakhstan (formerly USSR)

Rudni, Kusteni Oblast (1 cm octahedral) **25:**61 **Madagascar**

Anjanabonoina 20:197d

Namibia

Tsumeb (some "martite," hematite after) **8:**T26n, **8:**T27n

Norway

Kongsberg **17:**(35)

Russia (formerly USSR)

Kashkanar, Chelyabinsk Oblast (2.5 cm octahedral) 24:389n

South Africa

Cape Province

Kalahari manganese field (grains) 9:151

Transvaal

Messina district 22:197n

Palabora Open Pit 19:203p

Spain

Cala mine, Huelva 20:145

Switzerland

Lercheltini 19:(16p)

United States

Arizona

Campbell shaft, Bisbee district (massive)
12:307

Iron Cap mine, Graham County 19:(87)

Magma mine, Pinal County 14:(82)

New Cornelia mine, Pima County (massive; micro crystals) **14:**296

Tucson Mountains, Pima County (dodecahedral) 11:265n

California

Benitoite Gem mine area, San Benito County 8:432n

Christie mine, Fresno County **20**:387 Jensen quarry, Riverside County **15**:288n Colorado

Italian Mountain area, Gunnison County 15:86n

Silverton district, San Juan County **10:**359n Connecticut

Gillette quarry, Middlesex County (octahedral to 15 mm; flat in muscovite) 23:25

Georgia
Graves Mountain (micro grains) **16:**451

Idaho Sawtooth batholith (crystals to 7 mm) **24:**194 Massachusetts

Chester emery mines 9:239

Michigan

Marquette County 17:121n

Montana

Snowbird mine (above), Mineral County (5 mm crystals) **8:**85

Nevada

Majuba Hill mine (minute crystals) **24:**175 New Mexico

Harding mine (grains to 5 mm) 8:124 Iron Mountain, Sierra County 20:60n Magdalena district, Socorro County 20:21

New York Sterling mine, Jefferson County (after hematite) **15**:204–205, **15**:206–207p, **17**:136n

ZCA #4 mine, St. Lawrence County (cubic to 2 cm) **23:**425c, **23:**426p, **24:**222, **25:**214

Walt Cheek property, Alleghany County **2:**43 Pennsylvania

French Creek mine (octahedral to 2 cm; dodecahedral; after micaceous hematite)

Grace mine, Berks County (dodecahedral to 2.5 cm) **12:**183n

Pennsylvania/Maryland

Line pit, State Line chromite district (grains)
12:155

Texas

Clear Creek pegmatite, Burnet County (massive) 8:89

MAGNETOPLUMBITE

North Carolina

Sweden

Långban (doubly terminated crystals) 10:215

MAGNUSSONITE

United States

New Jersey

Sterling Hill mine 13:(37), 19:274n

MAINE

A. C. Perham quarry, West Paris, Oxford County 16:384s

Amethyst localities 21:209

BB #7 quarry, Norway, Oxford County **16:**375h, **16:**378p

Bell Pit, Hall's Ridge, Newry, Oxford County 1:91s, 1:114s, 6:189–204m,p,h,g, 22:382s Bemis Stream prospect, D Township 22:382

Bennett quarry, near Buckfield, Oxford County **18:**360h, **22:**382s,h, **24:**382s, **25:**175–184h,m,p,g, **25:**377s, **25:**380s

Berry (Berry-Havey) quarry, Poland (see Havey quarry)

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Black Hawk mine, near Blue Hill, Hancock County 22:382s

Black Mountain, near Rumford, Oxford County 14:367s, 16:366m, 16:378, 16:384, 18:360h,s, 22:382s

Bowdoinham, Sagadahoc County 19:151s

Bowker prospect, Mt. Mica, Oxford County 16:385s

Buckfield, Oxford County 4:126s

Bumpus quarry, Albany 16:384s

Consolidated #2 quarry, near Topsham, Sagadahoc County 24:383s

Drew Hill sulfide veins, Linneus, Aroostook County 22:382s

Dundee Falls, Windham 19:151s

Dunton mine, Hall's Ridge, Newry, Oxford County 6:14–25h,p,g, 6:189–204m,p,h,g, 6:223h, 7:91–93g, 7:103h, 9:99–100s, 16:379–382h, 16:385s, 18:360h, 20:390s, 22:382s

Eagle Point, Patch Mountain, Greenwood, Oxford County **16:**383–384s

Early Maine micromounters **6:**37

Emmons quarry, Uncle Tom Mountain, near Greenwood **19:**325–326s, **22:**382s, **23:**424s, **24:**382s, **25:**377–379s

Fisher quarry (Fisher's Lodge), Topsham, Sagadahoc County 1:139h,s, 14:49s, 16:378h

Goodall quarry (Goodall farm mine) (see Sanford) Hall's Ridge, Newry, Oxford County **6:**189–194h,p,g

Harvard quarry, near Greenwood, Oxford County 22:382s

Hatch farm, Mt. Apatite, Auburn, Androscoggin County **16:**374h

Havey quarry (Berry quarry, Berry-Havey quarry), Poland, Androscoggin County **4:**114s, **16:**366m, **16:**375h

Havey quarry, west of Garland quarry, Schoolhouse Road, near Topsham, Sagadahoc County 24:383s

Jim Pond Township 22:382s

Keith quarry (Moulton mine), Mt. Apatite, Auburn, Androscoggin County 16:374–375h

Little Deer Hill, near Stow, Oxford County

14:176s,h Lovell, Oxford County **19:**332s

Martin prospect, Newry, Oxford County 24:382s

Melrose prospect, Stoneham **16:**384s Mills feldspar quarry, Hebron, Oxford County

4:124s, **16:**374h Moulton mine (see Keith quarry)

Mt. Apatite, Auburn, Androscoggin County **16:**366m, **16:**374–375h,g

Mt. Marie, on Little Singlepole Mountain, Paris,

Oxford County **16**:366m, **16**:374h Mt. Mica mine, near South Paris, Oxford County **7**:102h, **16**:365–373h,m,p,g, **18**:360h, **22**:382s,h, **23**:424h

Mt. Rubellite pegmatite, near Hebron, Oxford County **16:**366m, **16:**373–374h, **17:**342s, **21:**483s h **25:**380s

Municipal quarry, Portland, Cumberland County

16:383s Nevel quarry, Hall's Ridge, Newry, Oxford County **4:**54–55h, **4:**124s, **6:**189–204m,p,h,g

New Brunswick, near Houlton, Aroostook County 4:290s

Newry area, Oxford County: **4:**126s, **5:**240s, **6:**189–204m,h,p,g, **16:**379–382h; numerous localities and alternate names **6:**190–191

Newry Hill, Newry, Oxford County: 6:191; see Maine—Hall's Ridge

Norway, Oxford County 16:375h

Noyes Mountain, near Greenwood, Oxford County 21:483s

Owl's Head, Buckfield, Oxford County 16:383s Oxford County: 19:339b; amethyst localities 21:209s

Plumbago Mountain, Newry, Oxford County 1:91, 6:189-194h,p,g

Poland, Androscoggin County 4:126s

Porcupine Hill quarry, Topsham, Sagadahoc County 16:378h

Pulsifer quarry, Mt. Apatite, Auburn, Androscoggin County 8:72–77h,g,m,p, 8:330h, 16:374–375h Quarries being worked commercially in 1992

Ridge #1 prospect, Red Hill group, near Rumford, Oxford County 24:383s

Rose quartz crystal area, Plumbago Mountain, Newry, Oxford County 6:189-204m,p,h,g

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Saltman amethyst prospect, Sweden, Oxford County 21:205h

Sanford vesuvianite deposit (Goodall quarry, Goodall farm mine, Webster quarry), Sanford, York County 14:48–49s, 24:359–364h,g,m,p

Scotty quarry, Plumbago Mountain, Newry, Oxford County **6:**189–204m,p,h,g

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Standish, north of Steep Falls, Cumberland County 16:378h

Standpipe Hill, Topsham 25:386h

Swamp #1 quarry, (Trebilcock locality), north of Consolidated quarry complex, near Topsham, Sagadahoc County 24:383s, 25:386s,h

Sweden, Oxford County 20:390s

Tamminen mine, near Buckfield, Oxford County 18:360h, 23:424s, 24:382s

Tourmaline localities 16:365-388h,m,p,g

Trebilcock locality (see Swamp #1 quarry) Tryon Mountain quarries, Pownall, Cumberland

County 16:384s Upper Colton Hill pegmatite, near Stow, Oxford County **22:**383s

Wade quarry (west of), near Auburn 24:382s Webster quarry (see Sanford)

Whispering Pines quarry, near Paris, Oxford County **16:**383, **24:**382s

William Willes #1 quarry, near Topsham, Sagadahoc County 24:383s

MAKATITE

Canada

Québec

Mt. St-Hilaire (prismatic to 3 mm) 21:321 Poudrette quarry 21:(486)

MALACHITE

"Primary" malachite 6:62, 6:215

Symposium on azurite and other copper carbonates (abstracts) 22:65-69p,q,c,d

Toxicity 11:6,8

Argentina

Cerro Blanco, Córdoba (acicular, in muscovite) 25:143

Australia

New South Wales

Broken Hill: 19:424n; massive; some after azurite 7:30

Kintore opencut, Broken Hill 19:(428) West Bogan mine, near Tottenham (massive; id as pseudomalachite) 9:295p

Northern Territory

Brown's deposit, near Rum Jungle: 12:110n; botryoidal; still forming 11:288-289, 11:290p; velvety 9:37

Oueensland

Black Rock opencut 19:470p

Blockade mine (botryoidal) 19:(489)

Boomerang mine 19:487

Mt. Cobalt mine 19:(489)

Mt. Glorious mine (after azurite) 19:488

Mt. Is a mine (some after arborescent copper) **19:**482p

Mt. Oxide mine 19:486

South Australia

Burra Burra mine: 15:107; after azurite, cuprite 15:219-220p; after libethenite 15:108; after twinned azurite 15:111p; botryoidal; acicular to 1 cm; pseudo-cubic 25:128-129p; limonite after; primary, various habits 15:221c

Moonta mines 19:414

New Cornwall mine, Kadina 19:414

Sir Dominick mine, Arkaroola (malachite after euhedral azurite to 4.5 cm) 11:74-76p

Wallaroo mines 19:414

Western Australia

Ashburton Downs (massive; acicular) 24:213 Whim Creek (3 mm spheres) 14:(173p)

El Dragón mine, Potosí (1 mm acicular) 21:143n **Brazil**

Paraná

Bassetti prospect (micro crystals) 6:285 Panelas mine (crystals to 5 mm) 6:285

British Columbia

Betty group, Betty Glacier, north of Divide Lake 15:(91)

Mt. Washington mine, Vancouver Island 15:(90)

Rocher Déboulé mine, near Hazelton 15:(91) Northwest Territories

Port Radium 20:(207)

Diamond Willow mine, near Thunder Bay (sprays on amethyst) 13:107n

Québec

Mt. St-Hilaire (micro acicular) 2:142

Chañarcillo (coatings) 10:203

Chuquicamata (fibrous) 9:324

Flor de Bosque mine, near Chuquicamata 9:324

China

Guangdong province (velvet, stalactites) 18:331p Shilu copper mine, Guangdong province 20:(236)

Cornwall

Botallack district (botryoidal) 24:281

Derby

Derbyshire orefield 14:20n

Chessy les Mines, Lyons: 2:72; after azurite **15:**146; coating cuprite **11:**28

Germany

Rheinland-Pfalz

Friedrichssegen mine 15:342n

Rosenberg mine, Ems district 15:342n Siegerland

Friedrich mine, Wissen 19:(121), 19:122p

Kamaréza mine, Laurium (massive; after azurite crystal) 7:124

Italy

Tuscany

Boccheggiano mine (micro crystals) 10:284 Buca della Vena mine 17:266n

Calagio quarry (on altered tetrahedrite) 18:280p

Carrara region 18:285

Mexico

Chihuahua

Batopilas district 17:(79)

Morocco

Touissit, near Oujda: after azurite 11:59-61p; with rosasite on pink dolomite 17:341n

Namibia

Chouti mine (after azurite) 23:435n

Emke mine (coated cuprite to 4 cm) 21:174-

Onganja: on cuprite 18:159n; primary crystals 5:235n

Tsumeb: after tennantite 8:T33n, 8:T49, 8:T73p; azurite with 19:(337); in cerussite 8:T100p; dotting cuprite 9:44p, 9:45; primary acicular, also after azurite 8:T27-28n

New Zealand

Tui mine (massive; velvety) 6:30

Norway

Kongsberg 17:(35)

Russia (formerly USSR)

Gumeshevsk mines, Ural Mountains 19:39h Siberia (localities not specified) (slab 17" x 22") 15:146

Scotland

Strathclyde/Dumfries and Galloway Leadhills-Wanlockhead district 12:(250)

South Africa

Cape Province

N'Chwaning I mine 22:288n

Transvaal

Messina district (acicular to 2 cm; also after prehnite) 22:197

Spain

Eugui quarries, Navarra: after chalcopyrite 25:222n; crystals to 4 mm, also after chalcopyrite **22:**141p

Switzerland

Cavradi-Schlucht, Graubünden (after chalcocite or stromeyerite) 18:432n

Obersaxen, Grisons ("wires" with micro azurite crystals) 6:308p

United States

Arizona

Atlanta shaft, Bisbee district (fibrous) 12:307 Azurite and other copper carbonates in northern Arizona solution-collapse breccia pipes (detailed abstract) 22:67-68

Bisbee district: 12:307; in calcite 18:407p; morphology of rosettes 22:68; primary crystals to 1 cm; also after azurite, atacamite

Blue Ball mine, Gila County 20:447-450c,p Bluebird mine, Gila County (and chrysocolla after azurite) 19:117-120p

Campbell shaft, Bisbee district: after euhedral azurite to 18 cm 12:308, 12:313p; reniform, stalactitic, some zincian 12:307

Cole shaft, Bisbee district: after copper 12:308; fibrous, zincian, primary crystals 12:307, 12:312p

Copper Queen mine, Bisbee district: after sharp azurite to 5 cm 12:308; massive 12:308

Czar shaft, Bisbee district: after cuprite, azurite 12:308; botryoidal, stalactitic, velvety 12:308, 12:309p; sprays 12:312p

Fat Jack mine, Yavapai County (sprays) 22:26 Glove mine (sparse needles) 14:305

Grandview mine, Coconino County (crusts) 2:219, 2:221q

Holbrook shaft, Bisbee district (velvety; some zincian) 12:308

Junction shaft, Bisbee district (massive, radiating) 12:308

Lavender pit, Bisbee district (acicular) 12:312p

Lavender pit (Holbrook extension), Bisbee district (massive, boxwork) 12:308

Magma mine 14:(82)

Mammoth mine, Pinal County (fibrous; after azurite) 11:162p, 11:166p, 11:169

Mary shaft, Bisbee (velvety) 21:481n

Metcalf and Morenci mines, Greenlee County (some after azurite; some on cuprite) **22:**66–67

Morenci mine, Greenlee County: 24:219, 24:220p; azurite with 19:331n; some after azurite 24:45; spheres, with azurite rosettes 14:(327p)

New Cornelia mine, Pima County: after blocky azurite, acicular primary 14:290– 291p, 14:296; after euhedral azurite to 4 cm 7:131, 7:132–133p

Old Yuma mine, Pima County (traces) **14:**(107)

Ray mine (velvety; some after azurite) **14:**320 Sacramento shaft, Bisbee district (after azurite, some overgrown with fresh azurite) **12:**281p, **12:**308

79 mine (veinlets) 3:251

Shattuck shaft, Bisbee district: after euhedral brochantite to 7 cm 12:308; velvety cavities 12:308

Silver Bill mine, Cochise County (after azurite) **14:**128p

Silver Hill mine, Pima County 19:311–312n Southwest mine, Bisbee district: acicular to 1 cm: stalactitic 12:308: after calcite 12:308

Tonopah-Belmont mine, Maricopa County (some after azurite) 19:142–143

Uncle Sam shaft, Bisbee district (coarse crystalline) 12:308

Arkansas

Rush Creek district, Marion County (micro subhedral) **24:**298

California

Defiance mine, Inyo County **15:**(15) Hale Creek mine, Trinity County **18:**(347)

Jensen quarry, Riverside County 15:288n Kalkar quarry, Santa Cruz (on azurite) 17:322 Monitor-Mogul district, Alpine County (coatings) 22:37n

Zinc Hill mine, Inyo County: after azurite, micro acicular, velvety **6:**111; massive **15:**15n

Colorado

Italian Mountain area, Gunnison County 15:86n

Mineral Farm mine, Ouray County **19:**(99) National Belle mine, Ouray County **17:**235n Senorita mine, Ouray County **19:**96

Sherman tunnel, Leadville district (crystalline) **16:**(191)

Silverton district, San Juan County 10:359n Idaho

Caledonia mine, Shoshone County (fibrous) **12:**345

Sierra Nevada mine, Shoshone County (fibrous) 12:345

Massachusetts

Chester emery mines 9:240

Loudville mine, Hampshire County: **6:**297n; micro wedge crystal **13:**45p, **13:**46

Michigan

Boston Road prospect, Houghton County (chrysocolla after) 23:M58p

Centennial #1 & #2 mines, Houghton County (in prehnite) 23:M66

Clark mine, Keweenaw County (micro sprays) **14:**221–223p

Keweenaw Peninsula (numerous localities) (mostly post-mining) 23:M66

Mendota mine, Keweenaw County (crystals to 5 mm) 23:M63p, 23:M66

Osceola mine, Houghton County (micro) **14:**221–223p

Nevada

Killie mine, Elko County (coatings) **18:**418 Majuba Hill mine (stains) **16:**67

Northumberland mine, Nye County (fracture coating) **16:**40

New Jersey

Chimney Rock quarry, Somerset County (fibrous) **9:**30p

Route 80 roadcut, Passaic County 1:173n Sterling mine (globules, coatings) 25:100 New Mexico

Carnahan mine, Santa Fe County (after cuprite) **20:**63n

Graphic-Waldo mine, Socorro County (after cuprite) **20:**21

Hanover #2 mine, Grant County (bright rhombs to 2 cm) 22:69

Hansonburg district, Socorro County **20:**41

Harding mine (stains) **8:**124 Kelly mine, Socorro County **20:**21

Locality not specified **22:**68–69

Lordsburg district, Hidalgo County 20:(57)Magdalena district, Socorro County (after crinoid stems) 20:21

Rose mine, Grant County: copper, chalcocite after crystals to 4 cm 22:69; replacing copper pseudomorphs after azurite 25:201

San Pedro mine, Santa Fe County **20:**63n Sunshine #4 mine, Socorro County (after linarite) **20:**43p

Oklahoma

Paoli (southeast and east of), Garvin County (massive; sand-malachite "skull") 17:373

Pennsylvania

French Creek mine (coatings) **25:**115 Phoenixville **20:**382

Wheatley mine 20:380p

Utah

Apex mine, Washington County **18**:(361) Blue Jay mine, San Juan County **18**:(361) Gold Hill mine (fibrous) **24**:21

Washington

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Gabon

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