

GENERAL INDEX

BABINGTONITE

Vs. ilvaite **18**:436–437, **18**:438d

India

Bombay (euhedral to 5 mm) **7**:253

Italy

Baveno **18**:(159)

Lombardy

Baveno area (euhedral to 1.4 cm) **14**:161, **14**:162p,d

United States

Connecticut

Wallingford, New Haven County **12**:382p

Massachusetts

Blueberry Mountain, Middlesex County **12**:382–383p

Grove Street quarry, Suffolk County **17**:342n

Lane quarry, Hampden County: **19**:210n; large crystals **12**:382–383; wedge-shaped to 15 mm **23**:277

Routes 93 and 128, Reading, Middlesex County **4**:184–185n

Michigan

Cliff mine, Keweenaw County (tabular to 2 mm) **23**:M52p

New Jersey

Lincoln Park, Morris County (laths, poss. altering to acmite) **12**:382p

Paterson area, Passaic County (crystals to 12.5 mm) **9**:164–165p

Rikers Hill, Essex County (columnar) **12**:382n

Route 80 roadcut, Passaic County **1**:174

BADDELEYITE

Brazil

São Paulo

Jacupiranga mine (some with epitaxial pyrochlore) **15**:264

Italy

Lazio (Latium)

Sacrofano quarry (acicular to tabular) **23**:434n

Moon

Localities not specified (tabular grains) **1**:22

South Africa

Transvaal

Palabora Open Pit **19**:203p

United States

California

Perovskite Hill, San Benito County **19**:331n

BAHIANITE

Brazil

Bahia

Chapada Diamantina region **16**:111–115p,q,c

Morro do Chapeú prospect, Chapada Diamantina region (pebbles) **16**:111–113p

Serra do Porco Gordo prospect, Chapada Diamantina region (pebbles) **16**:113

BAKERITE

Mexico

San Luis Potosí

Charcas (coating danburite) **3**:125, **3**:132p

BAMBOLLAITE

Mexico

Sonora

Moctezuma mine **1**:41

BANDYLITE

Chile

Chuquimata, Antofagasto **8**:(517)

Quetena mine, west of Calama, Antofagasto: **9**:(325); “spangolite” id as **14**:358

BANNERMANITE

El Salvador

Izalco volcano **18**:(339)

BANNISTERITE

Australia

New South Wales

Broken Hill **19**:274n

United States

New Jersey

Franklin/Sterling Hill **19**:(274)

BARBOSALITE

In pegmatite environments **4**:113

Three world localities **4**:113

Brazil

Minas Gerais

Lavra da Criminoso, near São Jose da Safira (minute crystals) **10**:147–151p,q

Sapucaia area **2**:(12)

United States

Alabama

Williams pegmatites, Coosa County (massive) **6**:69–72

South Dakota

Tip Top mine **17**:239–240, **17**:251

BARIANDITE

Gabon

Mounana (fibers to 3 mm) **6**:239

BARICITE

Canada

Yukon

Rapid Creek area: **8**:(517); vs. vivianite **23**:Y18p,q

BARIO-ORTHOJOAQUINITE

United States

California

Mina Numero Uno, San Benito County **12**:184n

BARITE

Microminerals column feature **22**:61–64

Australia

New South Wales

Kintore opencut, Broken Hill **19**:428–429

Prospect quarry (tabular to 1 cm; rosettes) **25**:188

Queensland

Black Rock opencut, Mt. Isa mine (chalcopyrite, copper in) **19**:471p, **19**:478

South Australia

Beltana mine (massive; 2 mm white crystals) **22**:452

Burra Burra mine (euhedral bladed to 2 cm) **25**:126–127

Flinders Range (northern) (elongated) **12**:107, **12**:108p

Moralana, Flinders Range: colorless prismatic **15**:111p; micro prismatic **22**:61–62, **22**:63p

Tasmania

Rosebery mine **19**:384n

Victoria

Phillip Island **19**:456

Red Cliff Head, Phillip Island **19**:456p

Western Australia

Ashburton Downs **24**:207

Austria

Bleiberg district **17**:360

Bolivia

El Dragón mine, Potosí (white tabular) **21**:137n, **21**:140d

Brazil

Parafá

João Pessoa: platy rosettes **23**:276; rosettes to 8 cm **22**:387n

São Paulo

Jacupiranga mine: white tabular **15**:267; yellow prismatic **15**:264

Bulgaria

Madan orefield **22**:441

Canada

British Columbia

Rock Candy mine, near Grand Forks (golden tabular to 10 cm) **12**:99–101p

Northwest Territories

Nanisivik mine (white blocky) **21**:521d,c

Port Radium **20**:(207)

Ontario

Bailey mine, Madoc area (encrusting fluorite; some crystalline stalactitic) **13**:88, **13**:89p

Keene mine, Madoc area (3 cm crested sphere) **13**:88, **13**:89p

Madoc area (various habits) **13**:91c

Marmoraton mines (colorless) **13**:111n

Rogers mine, Madoc area (bladed, with fluorite) **13**:89, **13**:90p

Rosspport (near) (pink micro) **13**:107

Silver Islet mine **17**:60n

Québec

Mt. St-Hilaire: **10**:103; complex yellow **13**:244n; micro prismatic **21**:298

Niobec mine, Chicoutimi (tabular grey to 40 cm) **12**:355–357p

Yukon Territory

Gunn claim, near MacMillan Pass (blue) **17**:340n

Rapid Creek/Big Fish River area (colorless tabular) **23**:Y18

Rock River, Richardson Mountains (gray; turns blue in sunlight) **17**:339n

Chile

Chañarcillo **10**:203

Czech Republic (formerly Czechoslovakia)

Brezové Hory district, Příbram ore field (4 cm colorless tabular) **12**:163p

Janíkov, near Tepliče quarry (equant orange to 3 cm) **22**:47

Příbram **15**:144c

England

Cumbria

Bromley (Brownley) Hill, Nenthead (after alstonite) **24**:394n

Locality not specified **14**:374p

Derby

Alport, Ashley Hay (platy) **14**:23

Arbor Low, Middleton-by-Youlgreave (stalactitic, “oakstone”) **14**:19p, **14**:23

Brownedge, Winster (brown bladed, yellow fl.) **14**:23

Crich (intergrown pink with purple fluorite) **14**:23

France

Côte d’Abot, Olloix, Puy de Dôme (15 cm partly gemmy) **23**:434n

Font Sante mine, Var (bladed) **8**:309, **8**:311p

Four la Brouque, Puy de Dôme **19**:337n

Le Main mine, Autun (crystals to 10 cm) **9**:194

Les Farges mine, near Ussel, Corrèze **13**:(267)

Les Malines mine, Saint Laurent le Minier, Gard (white rosettes) **23**:434n

Ravin de Sans-Souci, Chantelguyon, Puy de Dôme (labular) **23**:434n

Saint Laurent le Minier, Gard (snow-white clusters) **21**:489n

Germany

Baden-Württemberg

Clara mine, near Oberwolfach (3 cm “chisel spar”) **8**:306p

Dreislar **20**:398

Obersachsen

Pöhla mine **18**:147, **18**:161–162n,p, **20**:(74), **20**:146

GENERAL INDEX

- Greece**
Laurium area **7:123**
Locality not specified (2 cm tabular, red hematite edges) **9:134n**
Seriphos, Kykladhes **22:304**
- Italy**
Lombardy
Baveno area (seam fillings) **14:161**
Sardinia
Barega mine **15:372n**
Locality not specified (bladed blue) **8:282n**
Santa Lucia fluorite mine (colorless tabular) **15:372n**
Silius (prismatic yellow to 8 cm) **9:192–193p**
Tuscany
Buca della Vena mine **17:264n**
Carrara region **18:286**
Castelnuovo and Allori mines, Upper Valdarno (micro crystals) **25:298**
Pereta mine **15:20n**
- Macedonia (formerly Yugoslavia)**
Allchar (clear platy) **24:440**
- Mexico**
Chihuahua
Naica (1 cm golden) **13:52**
Durango
Ojuela mine (thin tabular golden) **21:97s**
Guerrero
Taxco **17:(341), 18:155n**
Michoacan
Anganguo **17:(341)**
Zacatecas
Locality not specified (sharp, zoned black and white) **13:52**
- Morocco**
Fez region (colorless tabular) **21:490n**
M'hrit, Middle Atlas Mountains (tabular to 20 cm, some scepters) **23:435n**
Mibladen: **11:316; bladed 7:242, 7:245p**
- Namibia**
Brukros Mountains (pale yellow) **18:367n**
Keetmanshoop (opaque yellow to 10 cm) **21:490n**
Rosh Pina (Rosh Pinah) mine: **20:397; 20 cm cockscombs, yellow 22:391n**
Tsumeb (crystals to 5 cm) **8:T19, 8:T70p**
- New Zealand**
Tui mine (tabular rhombic to 3 cm) **6:27p**
- Norway**
Bamble, Telemark (yellow to 15 cm) **22:51p, 22:52n**
Kongsberg **17:(35)**
Styggedalsynken, Herre, Bamble, Telemark **20:397**
- Peru**
Herminea mine, Julcani district (25 cm blades) **5:219p**
- Poland**
Machow mine, Tarnobrzeg: **16:152p, 20:72n, 20:(398); golden prismatic 14:174p, 14:176n; golden prismatic, tabular, stalactitic 23:30p, 23:32**
Stanislawow **18:161n, 20:485p, 22:459n**
- Romania**
Baia Sprie area **19:(338)**
Cavnic (Kapnic): **20:72n; groups to 15 cm 22:217n; thin tabular 10:122**
- Scotland**
Dumfries and Galloway
New Glencrieff mine, Wanlockhead: white, yellow tips, platy **12:249p; witherite after 12:239n**
- South Africa**
Cape Province
Black Rock mine **9:150n**
Jan Coetzee mine (prismatic to 1 cm) **24:39–40p**
Kalahari manganese field **22:282**
N'Chwaning I & II mines: **23:(436); tabular to 10 cm 22:282p**
Wessels mine (prismatic to 16 cm) **22:282**
Transvaal
Messina district (1 cm tabular) **22:193, 22:196p**
- Spain**
Arlós-Villabona district, Asturias region (white, blue, yellow tabular) **23:73**
Caravia-Berbes district, Asturias region (white "books") **23:73, 23:74p**
El Sabinar, Portman, Murcia (bladed yellow to 5 cm) **25:222n**
Hiendelaencina district, Guadalajara (tabular colorless, yellow) **23:244c**
La Unión, Cartegena, Murcia: various habits **24:237n; white tabular 18:301n**
Moscona mine, Solís, Asturias region: **23:75p; crystals to 10 cm 24:234; white to blue tabular 18:301n**
Rio Tinto mine, Huelva (tabular micro) **22:63–64p**
Troya mine, Mutiloa, Guipuzcoa (colorless) **23:272**
Villabona mine, Solís, Asturias region (blue tabular) **23:436n**
- Switzerland**
Lengenbach quarry (micro) **8:280p**
- Thailand**
Phrae (near), Phrae province (on "turgite") **18:368n**
- United States**
Alabama
Erin, Clay County (micro crystals) **9:390**
Indian Mountain, Cherokee County **20:358**
Arizona
Blue Ball mine, Gila County **20:449**
Fat Jack mine, Yavapai County (5 mm blades) **22:25n**
Grandview mine, Coconino County (massive) **2:218**
Higgins mine, Bisbee district (bladed, to 10 cm) **12:294**
Lavender pit, Bisbee district (amber bladed) **12:294**
Magma mine, Pinal County: 33 mm golden brown crystal **14:(326p); yellow, black rhombic to 2 cm 14:73p, 14:81–82p**
Mammoth mine, Pinal County **11:159–160**
New Cornelia mine, Pima County (small prisms, plates) **14:294**
Ray mine, Pinal County (pink rosettes to 5 mm) **14:320**
Rowley mine, Maricopa County: **17:404n; white bladed to 2 cm 5:14, 5:19p**
Tonopah-Belmont mine, Maricopa County **19:142**
Weldon mine, Pima County (pink bladed bundles to 25 cm) **12:118p**
California
Cargo Muchaco Mountains, Imperial County (euhedral pink strontian) **2:225**
Champion mine, Mono County (micro) **18:137p**
Hale Creek mine, Trinity County (pale pink) **18:347**
Kalkar quarry, Santa Cruz County **17:322n**
Lead Mountain, San Bernardino County **8:(432)**
Monitor-Mogul district, Alpine County (3 localities) **22:36**
Silver Reid mine, Inyo County (massive) **15:13n**
Yellow Jacket mine, Stayton Mining district **20:432**
- Colorado
Alice Glory Hole, Clear Creek County **18:186**
Aztec mine, Rico district, Dolores County (white rosettes to 2.5 cm) **16:215**
Bandora mine, San Juan County **19:246**
Black and Blue prospect, Park County (smoky, to 20 cm; black hematite crystals in) **24:382n**
Black Cloud shaft, Lake County: **19:113n; golden, greenish over 3 cm 16:191n; orange 25:60n**
Blaine tunnel, Rico district, Dolores County (quartz casts after) **16:213n**
Book Cliffs, Mesa County (colorless crystals) **10:332**
Bulldog mine, Mineral County (tabular to 15 cm) **7:294p, 7:297**
Crystal Peak area, Park/Teller counties (white to gray blades) **16:227n**
Eagle mine, Gilman, Eagle County: golden **10:330; golden tabular to 5 cm 7:285–286p**
El Paso, Las Animas, and Otero counties **19:215n, 19:216p**
Enterprise mine, Rico district, Dolores County (quartz after) **16:215n**
Grand Junction area, Mesa County: clear prismatic **7:169p,c; glassy clear prismatic 5:77p, 5:78**
Hartsell, Park County: blue **10:332; blue tabular to 13 cm 11:23–25p,c,q**
Home Sweet Home mine (see Sweet Home mine)
Indiana and Topeka-Kentucky Giant veins, Ouray County (grey tabular) **25:373–374p**
Irene mine, Lake County **20:(388)**
Italian Mountain area, Gunnison County (tabular golden, white bladed) **15:81p**
Midnight mine, Pitkin County (white roses) **7:291n**
Mineral Farm mine, Ouray County **19:99p**
Muddy Creek, San Juan Mountains (colorless to grey, tabular to 5 cm) **12:79–80p,d,c**
National Belle mine, Ouray County: **19:99; white micro 17:233n, 17:234p**
O.S. prospect, Ouray County (quartz after) **24:382n**
Park County (locality not specified) (colorless; pegmatite occurrence) **3:180p**
Pikes Peak batholith (micro crystals; after 6 cm microcline) **10:376p**
Rico Argentine mine, Rico district, Dolores County (white to golden clusters) **16:216n**
San Juan Mountains **10:358n**
Senorita mine, Ouray County **19:96–98p**
Sherman Tunnel, Lake County: golden **16:191n; golden to 10 cm 10:330p**
Stoneham (near), Weld County: **21:97; blue tabular 17:255–258p,c,d**
Sweet Home mine, Park County (bladed) **10:334**
Wagon Wheel Gap mine, Mineral County (various habits to 4 cm) **24:25–26c,p**
White Raven mine, Boulder County (white tabular) **7:279**
- Georgia
Graves Mountain (colorless) **16:447**
Indian Mountain, Polk County **20:358**
Paga mine, Bartow County (sharp, clear, various habits, phantoms) **22:61–62p**
- Idaho
Borah Peak, Custer County (yellow tabular) **21:483n**
- Illinois
Annabel Lee mine, Hardin County **17:147**

GENERAL INDEX

- Denton mine, Hardin County (yellow, blue 5 cm rhombic) **14:55**
- Gaskin mine, Pope County (yellow tabular to 10 cm; some photosensitive) **6:235–236p**
- Indiana
- Bedford (near), Monroe County (bladed to 7 mm) **22:351c**
- Bethel Church fossil dig, Pike County (tiny micro crystals) **15:355p**
- Hoosier Stone and Concrete Corp. quarry, Washington County (3 mm white) **14:9**
- Iowa
- Linwood mine, Scott County (tabular, prismatic, plumose) **23:233c, 23:234p,d**
- Pint's quarry, Black Hawk County **20:474–475, 20:476p**
- Maryland
- Frostburg, Allegany County (complex micro) **22:61, 22:62p**
- Massachusetts
- Loudville mine, Hampshire County: **6:298n; blue-green, micro 13:45p, 13:46**
- Michigan
- Keweenaw Peninsula (numerous localities) (colorless to grey tabular) **23:M52–53**
- White Pine mine, Ontonagon County: **14:226; 6 cm grey square 23:M53p**
- Missouri
- Merrimack River (quartz after) **15:146c**
- Nevada
- Dean mine, Battle Mountain, Lander County **20:390**
- Northumberland mine, Nye County (golden prismatic to 12 cm) **16:39–40p**
- New Jersey
- Paterson area, Passaic County (crystals to 15 cm) **9:175**
- New Mexico
- Hansonburg district, Socorro County **20:35**
- Juanita mine, Socorro County **20:18**
- Kelly mine, Socorro County **20:18**
- Lordsburg district, Hidalgo County **20:(57)**
- Magdalena district, Socorro County **20:18**
- Point of Rocks quarry, Colfax County (tiny, impaled on acmite) **15:151**
- Poison Canyon, McKinley County **20:63n**
- Red Cloud mines, Lincoln County **11:69**
- New York
- Sterling mine, Jefferson County (unconfirmed) **15:203**
- Oklahoma
- Paoli (southeast of), Garvin County (crystal-line nodules, layers) **17:373**
- Pennsylvania
- Phoenixville, Chester County **20:378p**
- Wheatley mine, Chester County **20:378**
- South Dakota
- Elk Creek, Meade County: **18:161n, 22:61, 22:62p; tapered prismatic golden 18:125–130p,c,d,q**
- Hoover area, Butte County **18:127–129p,c,q**
- Meade County **19:(116)**
- Tennessee
- Elmwood mine, Smith County: **20:(391); spheres to 35 cm 9:215p**
- Texas
- Terlingua district, Brewster County (nodular) **21:227n**
- Utah
- Buckhorn Canyon, Tooele County (bladed white) **24:48**
- Gold Hill mine, Tooele County (massive; 2 mm crystals) **24:20**
- Washington
- Metaline Falls, Pend Oreille County (tabular micro, acicular pyrite in) **22:64p**
- Spruce claim, King County (white tabular) **21:485n**
- Spruce Peak deposit, King County (tabular rhombic) **9:357–358p**
- Wisconsin
- Montreal mine, Iron County (5 cm blue rhombic) **11:59n**
- Rib Mountain, Marathon County (anhedral; pegmatite occurrence) **12:97**
- Wyoming
- Shirley Basin, Carbon County (tabular blue) **21:485n**
- Zaire**
- Mashamba West mine: malachite after **24:394n; yellow prismatic, some malachite and chrysocolla after 22:16**
-
- BARIUM-PHARMACOSIDERITE**
- Australia**
- Victoria
- Robinson's Reef, Port Phillip **16:123q**
- England**
- Cornwall **16:123q**
- Germany**
- Baden-Württemberg
- Clara mine, Oberwolfach **16:(122)**
- Bavaria
- Aschaffenberg **16:123q**
- Obersachsen
- Liebenschlehen mine, Neustaedtel-Schneeberg **16:123q**
- Württemberg
- Schramberg **16:(122)**
- United States**
- New Jersey
- Sterling Hill **16:123q,p**
- Utah
- Tintic district, Juab County **16:123q, 16:124p**
-
- “**BARKEVIKITE**”
- See Ferrohornblende*
-
- BARRERITE**
- Norway**
- Tosenvegen, Vefsn, Nordland **24:393n**
-
- BARTELKEITE**
- Namibia**
- Tsumeb (euhedral micro) **13:139c, 13:140p**
-
- BARYLITE**
- Eight world localities **3:125n, 3:230n**
- Canada**
- Québec
- Mt. St-Hilaire (micro bladed) **21:298p,d**
- United States**
- Colorado
- Crystal Peak area, Park/Teller counties (2.5 cm crystal) **16:227**
- Park County (locality not specified): **3:180; 4.5 cm crystal 3:125p, 3:132p**
- Pikes Peak region (1 cm crystal) **7:59**
-
- BARYSILITE**
- United States**
- Nevada
- Belmont, Nye County (new species belmontite poss. id as) **16:44h**
- New Jersey
- Franklin mine (micron-size) **22:273–274c,p**
- Parker Shaft, Franklin **19:274n**
-
- “**BARYTOANGLESITE**”
- Mixture of anglesite, barite*
- Austria**
- Bleiberg district **17:360**
-
- BARYTOCALCITE**
- England**
- Cumbria
- Blagill mine, Alston **20:395**
- Lunehead mine, Lunedale **23:434n**
- Nentsberry Haggis mine, Nenthead **25:44n**
-
- BARYTOLAMPROPHYLLITE**
- Canada**
- Québec
- Mt. St-Hilaire: **19:364n; bladed, fibrous 21:316**
- Greenland**
- Gardiner complex: **16:492n; crystalline aggregates 24:G56n**
-
- BASALUMINITE**
- Bolivia**
- El Dragón mine, Potosí (micro crystals) **21:141**
- United States**
- Arizona
- Lavender pit, Bisbee district **12:294**
- Southwest mine, Bisbee district **12:294**
- Arkansas
- Rayburn barite mine, Hot Spring County **16:(151)**
- Maryland
- Fort Foote (near), Prince Georges County (masses) **1:127–128q**
-
- BASSETITE**
- Italy**
- Sardinia
- Arcu su Linnarbu, near Capoterra, Cagliari **18:181–183c,q,p**
-
- BASTNÄSITE-(Ce), -(La), -(Y)**
- Five Alpine localities **8:288, 8:289p**
- Canada**
- Québec
- Mt. St-Hilaire: **10:104; and ancylite after parasite 2:141; bastnäsite-(Ce), micro and pseudomorphs after unknown 21:298; micro 13:244n**
- France**
- Tremorius mine, Ariège: 15 mm prismatic **25:215n; 10 mm tabular 22:225**
- Trimouns quarry, Ariège: bastnäsite-(Ce), 1 cm crystals **23:84n; micro 25:209p; 2.5 cm tabular 21:489n**
- Italy**
- Lombardy
- Baveno area (uncertain id; “weibyite” probably is bastnäsite) **14:162**
- Malawi**
- Mt. Malosa region (bastnäsite-(Ce) to 1 cm) **25:31**
- Norway**
- Gjerdingen, Nordmarka region (after pyrochlore and zircon) **11:88p**
- United States**
- California
- Birthday Claim Mountain Pass, San Bernardino County **14:239, 14:240q**
- Colorado
- Pikes Peak batholith **10:377p**
- Saint Peter's Dome area, El Paso County (2.5 cm crystal) **16:227**
- Idaho
- Sawtooth batholith (micro crystals) **24:192**
- Michigan
- Nonesuch formation, Keweenaw Peninsula (traces) **23:M53n**
- New Hampshire
- Carroll County **20:391**
- New Mexico
- Red Cloud mines, Lincoln County: **20:61n; crystals to 1 cm 11:69, 11:71p**

GENERAL INDEX

New York
 Mineville, Essex County **14:239n**
 Trout Brook Valley, Essex/Warren counties
 (7 mm crystals) **14:239–240p,c,q**
 Texas
 Clear Creek pegmatite, Burnet County (coat-
 ings) **8:90**
 Washington
 Washington Pass (bastnäsite-(Y)) **23:428n**

BAUMHAUERITE

Canada

Ontario
 Madoc (near) (antimony-rich) **13:98–99q**
 Taylor farm, near Madoc **13:(80)**

Peru

La Libertad mine, Quiruvilca: **18:199–201p,q**;
 baumhauerite-like unknown **17:341n**; id as
 baumhauerite-2a **21:499**

Switzerland

Lengenbach quarry **8:279p**

BAVENITE

Locality not specified **1:71h**

Brazil

Minas Gerais
 Taveres quarry, near Linópolis (1 mm blades,
 id as bertrandite) **22:387n**

Canada

Québec
 Mt. St-Hilaire: **19:364n**; micro tabular book-
 like **21:298p**

Italy

Lombardy
 Baveno area (2 cm groups) **14:162p,d**

Norway

Tørdal, Telemark **23:436n**

United States

California
 Himalaya dike system, San Diego County
 (fibrous, earthy; after beryl) **8:472**
 Connecticut
 Hewitt quarry, Middlesex County (tabular to
 4 mm) **1:70–71d,c,q**
 New Hampshire
 Government pit, Carroll County (2 mm group)
14:48p
 North Carolina
 Foote mine **1:92n**
 Wisconsin
 Rib Mountain, Marathon County (acicular)
12:96

BAYLDONITE

Australia

New South Wales
 Kintore opencut, Broken Hill **19:428–429q**
 Western Australia
 Ashburton Downs (masses) **24:207**

England

Cornwall
 Penberthy Croft mine, St. Hilary: **25:(44)**; 1
 mm crystals **23:434n**

Namibia

Tsumeb (crystals to 1 cm; some after mimetite)
8:T19–20, 8:T49, 8:T78p

Norway

Tørdal, Telemark **23:436n**

United States

Nevada
 Killie mine, Elko County **18:416–417p,q**,
18:420
 Utah
 Gold Hill mine (minute crystals) **24:20**

BAYLEYITE

United States

Arizona
 Cole shaft, Bisbee district **12:294**

BAZZITE

Italy

Lombardy
 Baveno area (2 mm prisms) **14:162**

Kazakhstan (formerly USSR)

Kent (3 mm crystals) **21:492n**

Norway

Tørdal, Telemark (blue to 2 cm) **23:436n**

United States

Colorado
 Mt. Antero, Chaffee County (on bertrandite)
18:360n

BEAVERITE

Australia

Western Australia
 Ashburton Downs (minute crystals) **24:209**

Chile

Mina Herminia, Sierra Gorda (minute crystals
 intergrown with osarizawaite) **11:102–103p,c,q**

Namibia

Tsumeb (crusts) **8:T20n**

Spain

Sierra de Prades, Tarragona **25:(222)**

United States

Arizona
 Cochise County, Bisbee district (unconfirmed)
12:(315)
 Mammoth mine, Pinal County (powdery)
11:172
 New Mexico
 Hansonburg district, Socorro County (id as
 corkite) **20:40–41q**

BECQUERELITE

Canada

Northwest Territories
 Port Radium **20:(207)**

England

Cornwall
 Peeth lode, Geevor (efflorescences) **25:44n**

France

Rabéjac quarry, Lodéve, Hérault (minute crys-
 tals) **23:433n**

United States

Utah
 Happy Jack mine, White Canyon (crystals)
2:210n

Zaire

Kasolo **2:210–211p**
 Musonoi mine **9:33**
 Shinkolobwe mine **9:33, 20:277p,d** and cover
 photo

BEHOITE

Canada

Québec
 Mt. St-Hilaire **10:103, 19:325–326n,p**
 Poudrette quarry: 1 cm spheres **22:386n**;
 spheres, prismatic to 7 mm **21:299, 21:300p**

United States

Texas
 Clear Creek pegmatite, Burnet County (coat-
 ings) **8:90n**
 Rode Ranch pegmatite, Llano County (color-
 less octahedral to 1 mm) **1:30q,h**
 Utah
 Honeycomb Hill, Juab County **1:(30)**

BEIDELLITE

South Africa

Transvaal
 Messina district (unconfirmed) **22:197**

United States

Arizona
 New Cornelia mine, Pima County (replacing
 plagioclase) **14:294**
 Colorado
 Sneffels district, Ouray County **10:358n**

BELGIAN CONGO

See Zaire

BELGIUM

Rhisnes **20:299s**
 Sahn Chateau **11:29s**
 Salm **9:113s**

BELKOVITE

Russia (formerly USSR)
 Kola Peninsula **24:(389)**

BELLINGERITE

Chile

Chuquicamata **8:(517), 9:324–325h,d,c**

“BELMONTITE”

See also Barysilite

United States

Nevada
 Belmont, Nye County **16:44h**

BEMENTITE

South Africa

Cape Province
 Gloria mine (massive) **22:282**
 Wessels mine (massive) **22:282**

Sweden

Harstigen mine **22:(49)**

United States

California
 Hale Creek mine, Trinity County **18:346**

BENITOITE

United States

California
 Benitoite (Dallas) Gem mine, San Benito
 County: **20:235p, 20:236, 20:387, 25:211**;
 crystals to 5.4 cm **8:442–452h,p,d,c**;
 opaque to 7.5 cm **23:208**
 Mina Numero Uno, San Benito County (pink
 micro) **8:447**

BENJAMINITE

United States

Colorado
 Alice Glory Hole, Clear Creek County (tentative id) **18:(186)**
 Nevada
 Outlaw mine, Nye County: **16:44h**; other
 world localities mentioned **22:174–177h**,
22:177–178

BENSTONITE

United States

Arkansas
 Magnet Cove, Hot Spring County (masses;
 fl. red) **1:140h**
 Illinois
 Minerva mine, Hardin County (low rhombo-
 hedral; resembles calcite) **1:140–141p,q,h**

BERAUNITE

In pegmatite environments **4:114**
 Numerous world occurrences **4:118**

Brazil

Minas Gerais
 Conselheiro Pena (acicular; “cacoxenite” id
 as) **24:385n**
 Córrego Frio mine, near Linópolis **14:232**

England

Cornwall
 Gravel Hill quarry, Perranporth (“eleonorite”)
19:337n

- Spain**
Horcajo mines, Ciudad Real (radial) **25:22p, 25:25**
- Sweden**
Leveäniemi iron mine, Norrbotten **20:345p, 20:346**
- United States**
Alabama
Indian Mountain, Cherokee County: **20:358p**; massive; prismatic to 1 cm **5:243**
Jacksonville (near), Calhoun County **9:390**
Rock Run station, Cherokee County **9:388n**
Arkansas
Mena, Polk County **16:150**
Georgia
Indian Mountain, Polk County: **20:358p**; see also Beraunite—Alabama—Indian Mountain
Indiana
Bethel Church fossil dig, Pike County **15:353p**
New Jersey
Mullica Hill, Gloucester County (orange tufts) **11:309**
Pennsylvania
Bachman mine, Northumberland County **11:311p**
Moore's Hill, Cumberland County **11:311**
South Dakota
Tip Top mine, Custer County **17:240, 17:251**
- BERBORITE**
Norway
Oslofjord/Langesundsfjord region (to 1 cm) **22:52n**
- BERMANITE**
In pegmatite environments **4:116**
Numerous world occurrences **4:116, 4:119**
Australia
South Australia
McMahon pegmatite **12:107s**
- Brazil**
Minas Gerais
Conselheiro Pena (crystals to 1 mm) **24:385**
Linópolis **23:(432)**
- United States**
Alabama
Williams pegmatites, Coosa County (minute flakes) **6:71–72**
Arizona
7 U ranch, Yavapai County **15:305**
South Dakota
Tip Top mine **17:240q, 17:251**
- BERNARDITE**
Macedonia (formerly Yugoslavia)
Allchar (crystals to 4 mm) **24:440–441p,c**
- BERRYITE**
United States
Colorado
Mike mine, San Juan County **8:(517)**
Nevada
Outlaw mine, Nye County **22:178n**
- BERTHIERINE**
Canada
Québec
Mt. St-Hilaire (euhedral prismatic pseudo-morphs poss. after mica) **21:299, 21:300p**
- BERTHIERITE**
Czech Republic (formerly Czechoslovakia)
Bohutín district, Příbram ore field **12:162n**
- Italy**
Tuscany
Niccioleta mine **10:291n**
- Romania**
Cavnic (in white calcite) **23:436n**
Herja (formerly Kisbánya): **13:(374), 23:268n**; acicular to 15 cm **25:215**
- United States**
Colorado
Good Hope mine, Gunnison County (needles; id as oswyheelite) **14:246**
- BERTOSSAITE**
Rwanda
Buranga pegmatite (massive) **4:126**
- BERTRANDITE**
Australia
Queensland
Mica Creek area, Mt. Isa-Cloncurry district **19:(475)**
- Austria**
Kaiserer and Lohninger quarries, south of Rauris, Salzburg **13:(173)**
Schafkar, near Kolm Saigurn, Salzburg **13:(173)**
- Brazil**
Minas Gerais
Conselheiro Pena (tabular to 5 cm) **24:384n, 24:387p**
Golconda mine, near Governador Valadares: **18:(148)**; glassy tabular to 5 cm **24:222**
Taveres quarry, near Linópolis (“bavenite” id as) **22:387n**
- France**
Carrière Quilly, La Villeder, Morbihan (1 cm crystals) **23:434n**
- Kazakhstan (formerly USSR)**
Karschatau **25:47n**
Kara-Oba **23:433n**
Kounrad: after fluorite **25:139p, 25:140n**; white 2 cm fan **23:437**
- Norway**
Oslo region (V-twin) **3:9p**
- United States**
Colorado
Crystal Peak area, Park/Teller Counties (2.5 cm blocky crystal) **16:222p, 16:227**
Lake George, Pikes Peak batholith **10:377**
Mt. Antero, Chaffee County: **10:340–346p**; bazzite on **18:360n**
- Connecticut
Bierman quarry, Bethel, Fairfield County (twinned) **14:364–366p**
Eighteen localities (numerous habits, colors; twins, trillings) **6:114–123p,c,d**
Strickland quarry, Middlesex County: **17:269, 17:270p**; twinned **14:364**
- Idaho
Centerville (near), Boise County (crystals on unaltered beryl) **16:152p**
Sawtooth batholith: **17:(342)**; tabular to 3 mm **24:192p,c**
- Maine
Emmons quarry, Oxford County (micro) **25:377n**
Mt. Mica, Oxford County **16:372n**
- New Hampshire
Government pit, Carroll County (1 mm euhedral) **14:48p**
- New Mexico
Harding mine: **20:64n**; crusts **8:123**
- Utah
Spor Mountain, Thomas Range **10:269**
- Wisconsin
Rib Mountain, Marathon County (crystals to 8 mm) **12:96**
- BERYL**
Crystals shattering under hot display lights **10:33**
Emerald (6 world localities mentioned) **11:317n**
Fake matrix emerald specimens **18:252**
- In rhyolite (3 world localities) **10:269n**
Survey of characteristics and sources **7:211–223p,q,c**
Toxicity **11:9**
- Afghanistan**
Kunar (near), Kunar province (sharp, glassy aquamarine to 3.2 cm) **11:315p**
Laghman province: “morganite” with aquamarine cores, to 12 cm **22:386n**; 3 localities; mostly pink **9:307, 9:308p**
Locality not specified: “morganite” **20:397**; yellow **13:41n**
Pandjshir (emerald) **25:138p, 25:140**
- Australia**
Queensland
Mica Creek area **19:475**
Western Australia
Tabba Tabba (white tabular) **23:432n**
- Austria**
Felbertal mine, Salzburg (aquamarine) **17:106n**
Habachtal, Salzburg (emerald) **20:483**
Leckbachrinne, Habachtal, Salzburg (emerald) **17:105–106**
Smaragd; Grines Feuer unterm Eis **23:504b**
Untersulzbachtal, Salzburg (aquamarine) **17:106n**
- Brazil**
Bahia
Açude Socêgo, Anagé township (emerald) **8:384q**
Jaquetô (near), Medeiros Netos County: aquamarine **20:394**; aquamarine, etched **22:215p, 22:216, 22:387**
Pedra Preta mine (aquamarine) **7:129p**
Pirajá deposit, Brumado district (emerald to 12.3 cm) **9:198–199, 9:202p, 9:204**
Pombo farm, Anagé township (emerald) **8:384**
Socotó deposit (emerald) **16:108n**
- Espírito Santo
Mimoso do Sul: **23:432c**; aquamarine, odd tapered habit **23:276**
- Goiás
Santa Terra (emerald, 49.6 ct faceted) **18:433n**
- Minas Gerais
Boca Rica (aquamarine, odd fibrous termination) **23:496–497p**
Cajiu mine, Almenara area (aquamarine) **19:335n**
Coronel Murta (near) (bright orange) **17:406n**
Córrego do Urucum pegmatite: aquamarine, morganite **17:309–310p,c**; “morganite,” tabular to 20 cm **7:221**
Fernandes quarry, Mimoso do Sul (aquamarine, “glass cigars”) **22:387n**
Four localities **2:10n**
Galiléia (near) (opaque crystals to 1 m) **9:41**
Jove Lauriano mine, near Linópolis (“morganite”) **14:(235)**
Lavra da Invreja, Marambainha (aquamarine) **17:149p–150**
Linópolis area (aquamarine, steeply doubly terminated, gemmy) **10:179**
Locality not specified (7.5 cm etched crystal) **14:(371p)**
Marambaia mine (110 kg crystal, very gemmy aquamarine) **7:215–216**
Mina Chia, near Linópolis (etched fragments, pale green) **22:217**
Padre Piedaade (aquamarine, pointed terminations) **22:387n**
Pamaró mine, near Linópolis **14:(235)**
Pica Pau deposit (aquamarine) **16:109n**
Resplendor: **20:394**; colorless “goshenite,” thin tabular **24:395n**; tabular **20:69p**
Salinas (zoned pink and blue) **19:335n**
Serra do Urucum mine, Galiléia **2:10n**

- Telfrio mine, near Linópolis **14**:(234)
 Tres Barras (aquamarine, 1 m gemmy crystal) **7**:216p, **7**:220p
 Virgem da Lapa mine: **13**:27; aquamarine, tabular **18**:365n; "matrix specimens" created in Germany **14**:61
- Parafa**
 Alto Benedito pegmatite (large crude crystals) **22**:184n
- Canada**
- Manitoba**
 Bernic Lake mine (colorless to 15 cm) **7**:221–222q
- Ontario**
 Canadian Beryllium Mines and Alloys Ltd. properties, Renfrew County (crystals to 20 cm) **13**:84
 McCoy beryl mine, near Quadeville **10**:155
 Quadeville beryl-lyndochite quarry, Renfrew County (some aquamarine) **13**:200p
- Québec**
 Mt. St-Hilaire (yellow micro prismatic) **21**:299
- China**
 Altay region, Xinjiang autonomous region: aquamarine **18**:(326); 10 cm green **25**:46, **25**:48p
 Hunan province (locality not specified): aquamarine, pale to 4 cm **24**:224p, **24**:226; colorless tabular to 4 cm **25**:138p, **25**:140n; "morganite," 9 cm tabular **21**:489n
- Colombia**
 "Angel of the Andes" crystal, 10 cm **24**:49n
 Coscuez mine, Boyacá **24**:49n
Emerald Mining in Colombia: History and Geology **1**:142–149
 Muzo mine: emerald **20**:392p, **20**:394; emerald, 1.5 cm crystal **15**:145p, **15**:146m; emerald, with calcite crystals **18**:408n
- Czech Republic (formerly Czechoslovakia)**
 Maržikov **19**:10s
- Finland**
 Luumäki, Kymi (gemmy, over 2000 ct) **23**:433n
- Greenland**
 Ivisártoq peninsula, Godthåbsfjord area (15 cm greenish) **24**:14–15
- India**
 Hyderabad area, Andhra Pradesh (gemmy yellow-green and aquamarine) **21**:489n
- Italy**
- Lombardy**
 Baveno area (aquamarine) **14**:162
- Tuscany**
 Buca della Vena mine (aquamarine, emerald) **17**:264–265p
 San Piero in Campo area, Elba: aquamarine, "goshenite," "morganite" **16**:356–358p,d; lepidolite oriented on **16**:357n
- Madagascar**
 Anjanabonoina (Cs-bearing) **20**:195–196d
 Locality not specified (7.5 cm aquamarine) **11**:29
- Mexico**
 San Luis Potosí
 Locality not specified (red, to 20 mm) **7**:222
- Namibia**
 Erongo Mountains (tourmaline in aquamarine) **19**:337n
- Nepal**
 Hyakule pegmatite **16**:417n
- Nigeria**
 Bauchi (emerald, to 15 cm) **23**:435n
 Jos: aquamarine **19**:120n; emerald, to 15 cm **23**:84
 Sabon Wana, Nanarawa Eggon, Plateau state (aquamarine) **16**:306n
- Northern Ireland**
 County Down
 Slieve Donard quarry (aquamarine) **13**:(44)
- Norway**
 Drammen area, Buskerud (aquamarine) **22**:51n
- Pakistan**
 Dusso (Dassu) area, Gilgit division: 27 cm gemmy, aquamarine **22**:53, **22**:55p; vars. aquamarine, goshenite, "inky" blue **16**:400–403p,d
 Gilgit-Skardu area, Gilgit division (spray of aquamarine) **15**:45p
 Haramosh Mountains, Gilgit division ("goshenite") **16**:403p
 Haramosh valley, Asad Kashmir province (aquamarine to 8.5 cm) **11**:321–322
 Kashmir (see Gilgit)
 Locality not specified: aquamarine; 9 kg crystal **25**:219n; emerald **18**:368n
 Nagir, Hunza: **20**:397; aquamarine **20**:236
 Skardu (near), Gilgit division (yellow to 15 cm) **24**:219, **24**:220p
- Russia (formerly USSR)**
 Alabashka, Ural Mountains (24 cm doubly terminated aquamarine) **24**:389n
 Maleshevo, Ural Mountains: emerald to 10 cm **25**:47n; in schist matrix **24**:226n
 Miask (emerald, 9 cm doubly terminated) **9**:367n
 Tokoyawa, Ural Mountains (golden) **11**:317n
- South Africa**
 Transvaal
 Gravelotte (emerald) **18**:193n
- Spain**
 Franqueira, Pontevedra: **24**:236n; emerald **25**:222n; emerald, to 5 cm **23**:272
- Ukraine (formerly USSR)**
 Volyn (Wolodarsk-Wolynsky, etc.): **18**:243p, **18**:244, **19**:117–118n,p, **19**:211n, **20**:74n; "heliodor"; aquamarine, prob. heat- or rad-treated **24**:389n
- United States**
- Alabama**
 Williams pegmatites, Coosa County (crystals to 1.2 m) **6**:68
- California**
 Clark mine, San Diego County (aquamarine) **8**:514
 Elizabeth R mine, San Diego County ("morganite") **8**:513
 Emeraldite mine, San Diego County (aquamarine) **8**:508
 Himalaya dike system, San Diego County: bavenite after **8**:472; etched **8**:512p, **8**:514; "morganite," to 13 cm **8**:471, **8**:473p
 Jensen quarry, Riverside County (aquamarine) **15**:287n
 Little Three pegmatites, San Diego County **20**:117p, **20**:119q,c, **20**:122q
 Mack mine, San Diego County (aquamarine) **8**:513–514p
 Pala Chief mine, San Diego County (morganite, aquamarine) **8**:512
 San Jacinto Mountains, Riverside County **18**:(148)
 San Pedro mine, San Diego County (vars. morganite, aquamarine) **8**:512
 Stewart mine, San Diego County: "morganite" **8**:508; "morganite" to 10 cm **21**:481n
 Tourmaline King mine, San Diego County ("morganite") **8**:510
 Tourmaline Queen mine, San Diego County ("morganite") **8**:508
 Vandenberg mine, San Diego County ("morganite") **8**:513
 White Queen mine, San Diego County: **20**:399; "morganite" **8**:512, **19**:(211)
- Colorado**
 Mica Lode, Fremont County (blue-green to 2 m) **5**:188
- Connecticut**
 Case quarry, near Portland, Middlesex County **17**:342n
 Gillette quarry, Middlesex County (gemmy, various colors, some fl.) **23**:24d, **23**:26p
 Hewitt quarry, Middlesex County (altered to bavenite and bertrandite) **1**:71
- Georgia**
 Booger Bottom (near), Meriwether County (gemmy aquamarine to 5 cm) **22**:382n
- Idaho**
 Centerville (near), Boise County: aquamarine, gemmy to 8 cm **12**:181p, **12**:183; bertrandite crystals on **16**:152p
 Sawtooth batholith: **18**:147p; aquamarine **17**:342n; aquamarine, simple prismatic to 18 cm **24**:192–193p
- Maine**
 Bennett quarry, Oxford County: goshenite **22**:382; "morganite," to 30 cm **21**:483; "Rose of Maine," 33 cm orange crystal **25**:179, **25**:181p
 Bowdoinham, Sagadahoc County **19**:(151)
 Havey quarry, Androscoggin County **16**:(375)
 Mt. Mica, Oxford County: aquamarine with "morganite" core **16**:372; bizarre morphology **16**:369–370d
 Pulsifer quarry, Androscoggin County **16**:(375)
 William Willes #1 quarry, Sagadahoc County (green to 30 cm) **24**:383n
- New Hampshire**
 Bald Mountain Ridge, Carroll County (aquamarine, poss. partly replaced by albite) **23**:425
 Beryl Hill, Grafton County (5-ton crystal) **19**:369h
 Palermo mine (crystals to 2.5 m) **5**:275
- New Mexico**
 Harding mine: **20**:(64); anhedral to 1.5 m; various habits to 6 cm **8**:122q
 Irish Rose vein, Luna County **20**:(57)
 Iron Mountain, Sierra County **20**:60
 Paramount Canyon bixbyite locality, Sierra County **20**:60
- North Carolina**
 Adams property, Alexander County (emerald, to 12 cm) **2**:190
 Hiddenite, Alexander County (4.8 cm emerald) **25**:377n, **25**:378p
- Pennsylvania**
 Avondale, Delaware County (aquamarine to 6 cm) **1**:38n
- Utah**
 Holfert-Allred property, Juab County: **24**:47p, **24**:48n; red, tabular, to 9 mm **23**:428n
 Thomas Range (red) **10**:268p, **10**:269, **10**:272, **10**:275
 Topaz Mountain (red) **7**:222
 Violet Claims, Beaver County: red crystals to 2.5 cm **23**:438n; 2.1 cm doubly terminated gemmy red **25**:382p; 2.7 cm euhedral red **22**:53, **22**:54p
 Wah Wah Mountains: **10**:124, **10**:268p, **10**:269, **10**:275–276; red **18**:246n, **20**:391; red, to 4 cm **9**:36; red, to 30 mm **7**:219p, **7**:222
- Virginia**
 Herbb #2 mine, Powhatan County (5 ft. crystal) **14**:390n
- Wisconsin**
 Rib Mountain, Marathon County (to 1.2 cm; some hollow, some gemmy aquamarine) **12**:93p, **12**:96

GENERAL INDEX

- Zimbabwe**
St. Anne's mine (emerald) **19**:122n
- BERYLLONITE**
In pegmatite environments **4**:124
- Afghanistan**
Paroc (Paprock, Pavrok, Paprok), Kunar, Laghman province: **22**:386n; large crystals **25**:58n; milky cogwheel groups **23**:499n; 10 cm doubly terminated **23**:432; to 12 cm **25**:61n
- Brazil**
Minas Gerais
Almerindo mine, Linópolis (tabular to 3 cm) **24**:384–385
Énio pegmatite, near Galiléia (surrounding beryl crystals) **12**:70p
- Canada**
Québec
Mt. St-Hilaire (minute spheres) **21**:299
Poudrette quarry **20**:393
- Finland**
Viitaniemi, near Eräjärvi **4**:120
- Pakistan**
Locality not specified (equant crystals to 4 cm) **22**:216
- United States**
Maine
BB #7 quarry, Androscoggin County (botryoidal; poss. hydroxyl-herderite) **16**:(375)
Bell Pit, Oxford County (cogwheel crystal) **22**:382
Dunton mine (crystals) **16**:382
Harvard quarry, Oxford County (fibrous) **22**:382
McAllister farm **4**:120
Mills feldspar quarry, Oxford County **4**:124
Nevel mine, Oxford County **4**:124
Newry area (crystal masses to 8 cm) **6**:199
- BERZELIANITE**
Australia
Western Australia
Kalgoorlie **18**:(28)
- Bolivia**
El Dragón mine, Potosí (micro inclusions) **21**:137n
- Czech Republic (formerly Czechoslovakia)**
Bukov, near Tišnov **9**:(114)
- Sweden**
Långban district **8**:(517)
Skrikerum **19**:295
- BERZELIITE**
Sweden
Långban: **19**:295h,d; masses **10**:216–217
- BESSMERTNOVITE**
See Bezsmertnovite
- BETAFITE**
Brazil
Minas Gerais
Ferros **2**:12n
- Canada**
Ontario
Silver Crater mine (Basin property), near Bancroft, Hastings County: **10**:153–155p, **13**:73, **13**:76p; crystals to 10 cm **13**:201p
- Italy**
Lazio
Vetarella, Vico (non-metamict) **23**:434n
- Madagascar**
Betafo **10**:155
- BETEKHTINITE**
Kazakhstan (formerly USSR)
Dzeskazgan: **23**:279p, **23**:280n; 3 cm prismatic **21**:492n
- Namibia**
Tsumeb (needles) **8**:T20n
- BETPAKDALITE**
France
Celtic Age mine, Vaulry, Haute-Vienne (crystalline crusts) **23**:434n
- BEUDANTITE**
Australia
New South Wales
Kintore opencut, Broken Hill (corkite-beudantite) **19**:429q
Victoria
Clunes **18**:(29)
St. Arnaud **18**:(29)
Western Australia
Ashburton Downs (powder, minute crystals) **24**:209p,q
- Canada**
British Columbia
Highland Bell mine, Beaverdell **20**:(445)
Québec
Mt. St-Hilaire: **19**:364n; micro drusy **21**:299
- Greece**
Kamaréza mine, Laurium (minute rhombs) **7**:123
- Namibia**
Tsumeb: **8**:(390), **17**:341n; masses, crystals **8**:T20, **8**:T49, **8**:T80p
- Scotland**
Strathclyde/Dumfries and Galloway
Leadhills-Wanlockhead district **12**:(250)
- United States**
Arizona
Mammoth mine, Pinal County (id as creaseyite) **11**:176
Southwest mine, Bisbee district (micro crystals) **12**:294
Nevada
Killie mine, Elko County **18**:416
Utah
Gold Hill mine (micro pseudocubic) **24**:17
- Zambia**
Broken Hill mine (tentative id) **11**:347
- BEUSITE**
In pegmatite environments **4**:109–110
- Argentina**
Los Aleros pegmatite **4**:110
Three localities **4**:118
- BEYERITE**
Canada
Québec
Evans-Lou pegmatite (bismutite-beyerite mix) **3**:73q
- United States**
California
Himalaya dike system, San Diego County (powdery) **8**:471
Jensen quarry, Riverside County (coatings, micro druzes) **15**:281, **15**:287n
New Mexico
Harding mine: **20**:64n; minute plates **8**:124
- BEZSMERTNOVITE**
Localities not specified **13**:392q, **13**:393
USSR (former)
Two localities (grains) **13**:393n
- “**BIALITE**”
Discredited; id as wavellite **1**:30n
- BIANCHITE**
Austria
Bleiberg district **17**:360
- United States**
Arizona
Campbell shaft, Bisbee district (post-mining crusts) **12**:294
- Junction shaft, Bisbee district (post-mining stalactites) **12**:294
New Jersey
Sterling mine (efflorescences) **25**:97–98q,h
- BICCHULITE**
Japan
Bicchuco, Okayama **9**:(113)
Fuga, Okayama-ken **8**:(517)
- BIDEAUXITE**
United States
Arizona
Mammoth-St. Anthony mine, Pinal County: **11**:163p, **11**:172; newly described **2**:29h,c,q
- BIEBERITE**
United States
Arizona
New Cornelia mine, Pima County (pink efflorescent) **14**:294
- BIJVOETITE**
Zaire
Shaba **20**:277–278p, **20**:(398)
- BIKITAITE**
United States
North Carolina
Foote mine **1**:(92)
- BILIBINSKITE**
Localities not specified **13**:392q, **13**:393
USSR (former)
Two localities listed **13**:393n
- BILINITE**
United States
Arizona
Higgins mine, Bisbee **24**:428
- BILLIETITE**
Zaire
Musonoi mine **9**:33
Shinkolobwe mine: **9**:33, **20**:278p; crystals to 4 mm **8**:390
- BINDHEIMITE**
Australia
New South Wales
Broken Hill **7**:30n
Western Australia
Ashburton Downs (powder) **24**:209
- Brazil**
Minas Gerais
Morro do Bule prospect, near Capão da Lana (coatings) **6**:283
- Canada**
Ontario
Rogers mine, near Madoc **13**:(91)
- Namibia**
Tsumeb (bladed) **8**:T20n, **8**:T83p
- United States**
Arizona
Campbell shaft, Bisbee district **12**:294
California
Darwin district, Inyo County **15**:(13)
Kalkar quarry, Santa Cruz County (coatings) **17**:321
Idaho
Bunker Hill mine (earthy; confused with massicot) **12**:345–346
- BIOTITE**
Australia
South Australia
Wallaroo mines **19**:413
Yelta mine, Moonta district **19**:413

GENERAL INDEX

- Brazil**
 Minas Gerais
 Córrego do Urucum pegmatite **17:309n**
 Jaguarauçu mine (large blades with powdery hematite) **25:168**
- Canada**
 British Columbia
 Ice River complex (phlogopite-biotite) **12:224**
 Ontario
 Davis Hill: crystals to 67 cm long **21:242–243c,q,p**; huge crystals **13:77n**
 Kuehl Lake, Renfrew County **13:212–213q**
 Silver Crater mine, Bancroft area: huge crystals **13:77n**; plates over 1 m across **10:155n**
 Smart mine, Renfrew County (brownish) **13:212–213q**
 Smith-Lacey mine (huge crystals) **13:77n**
 Tory Hill (euhedral) **13:77p**
 Québec
 Bear Lake mine, Litchfield Township (ferrian, “lepidomelane”); prismatic crystals **9:94p**
 Mt. St-Hilaire: compact masses **13:242**; euhedral to several cm **21:299**
- Germany**
 Rheinland-Pfalz
 Laacher See area, Eifel district (free-standing micro crystals) **8:320–321d,c**, **10:92p**
- Greenland**
 Narssárssuk **5:120n**
- South Africa**
 Transvaal
 Messina district (some interstratified with vermiculite, “hydrobiotite”) **22:193**
 Palabora mine **22:257**
- United States**
 Arizona
 Bisbee district **12:294n**
 New Cornelia mine, Pima County **14:294**
 California
 Jensen quarry, Riverside County (strips) **15:282**, **15:287n**
 Kalkar quarry, Santa Cruz County **17:324n**
 Little Patsy quarry, Jefferson County (books to 60 cm) **21:429**
 Little Three pegmatites, San Diego County **20:110**
 Colorado
 Cameron Cone, El Paso County **16:224n**
 Italian Mountain area, Gunnison County (fine-grained) **15:86n**
 Pikes Peak batholith **10:377**
 Specimen Rock, El Paso County **16:224n**
 Van Buskirk mine, Fremont County (blades to 120 cm) **5:188**
 Wigwam Creek, El Paso County **16:224n**
 Connecticut
 Gillette quarry, Middlesex County **23:24n**
 Idaho
 Sawtooth batholith (pocket crystals) **24:192**
 Massachusetts
 Chester emery mines (massive) **9:240**
 Maine
 Bennett quarry (blades, books to 10 cm) **25:179**
 Mt. Mica **16:372n**
 New Hampshire
 Carroll County **20:391**
 Government pit, Carroll County **14:(47)**
 New Mexico
 Harding mine (euhedral) **8:123n**
 Oregon
 Obsidian Cliffs, Lane County (hematite after) **12:44**
 Wisconsin
 Rib Mountain, Marathon County (euhedral) **12:96**
- BIPHOSPHAMMITE**
Australia
 Western Australia
 Cocklebidy **9:(113)**
 Murra-el-Elevyn Cave, Cocklebidy **9:(113)**
- BIRNESSITE**
Canada
 Québec
 DeMix quarry (after serandite, 13 cm) **9:94p**
 Mt. St-Hilaire (replacing euhedral serandite to 20 cm, rhodochrosite) **21:299**, **21:300p**
- South Africa**
 Cape Province
 Kalahari manganese field (“manganous manganese” id as) **22:282**
- United States**
 Utah
 Tooele County (locality not specified) (on calcite stalactite) **22:384n**
- “BISBEEITE”
Poss. mixture of chrysocholla and plancheite
- United States**
 Arizona
 New Cornelia mine, Pima County (unverified occurrence) **14:294**
 Shattuck shaft, Bisbee district (after acicular shattuckite) **12:294**
 New Mexico
 Hansonburg district, Socorro County **20:(35)**
- BISCHOFITE**
 Toxicity **11:7**
- Canada**
 Saskatchewan
 PCS Rocanville mine, Rocanville (crystals to 10 cm) **24:385n**
- BISMITE**
Australia
 New South Wales
 Old 25 pipe, Kingsgate mines (fibrous yellow coatings) **16:285p**
- United States**
 Arizona
 Campbell shaft, Bisbee **24:428**
 California
 Little Three pegmatites, San Diego County **20:121**
 New Mexico
 Harding mine (earthy) **8:124**
- BISMOCLITE**
United States
 Nevada
 Outlaw mine, Nye County (bismoclite-daubreeite; tiny crystals) **22:178–179p**
- BISMUTH**
Australia
 New South Wales
 Forty pipe, Kingsgate mines (masses to 14 kg) **16:279**
 Kingsgate mines **16:279**
 Sachs’ pipe, Kingsgate mines (parallel wires in quartz) **16:279**
 Queensland
 Mt. Isa mine **19:478**
 Wolfram Camp **19:(335)**
 Victoria
 Nuggety Reef, Maldon goldfield **18:(28)**
- Brazil**
 Minas Gerais
 Córrego do Urucum pegmatite (particles in loellinginte) **17:309n**
 Énio pegmatite, near Galiléia (skeletal threads) **12:69**
- Canada**
 British Columbia
 Glacier Gulch South Side Group, near Smithers: **15:(90)**; coatings **2:204**
 Good Hope group, near Smithers (flakes) **2:207**
 Northwest Territories
 Eldorado mine, Port Radium **20:203**, **20:204p**
 Port Radium **20:203**
 Québec
 Evans-Lou pegmatite **3:73**
 Mt. St-Hilaire (minute blobs) **21:299**
- Czech Republic (formerly Czechoslovakia)**
 Jáchymov (St. Joachimsthal) **17:(15)**
- England**
 Cornwall
 Botallack district (massive; crude rhombs) **24:279**
- Germany**
 Halle
 Mansfeld Kupferschiefer **17:(10)**
 Mackenheim, Odenwald (dendritic) **8:305p**
 Obersachsen
 Erzgebirge (1 cm rhombohedra) **18:356n**
 Johanngeorgenstadt (in “silver agate” jasper nodules) **17:14**
 Oberschlema, Erzgebirge (1 cm crystals) **17:209n**
 Schneeberg: **17:(13)**; sharp crystals to 1.5 cm **21:173n**
- Madagascar**
 Anjanabonoina **20:196**
- United States**
 Arizona
 Campbell shaft, Bisbee **24:428**
 California
 Essex mine, Inyo County (tentative id) **15:13**
 Kalkar quarry, Santa Cruz County **17:320**
 Little Three pegmatites, San Diego County **20:121**
 Colorado
 Ophir district, San Miguel County **10:358n**
 Connecticut
 Booth’s mine, Fairfield County **2:(17)**
 Lane’s mine, Fairfield County **2:(17)**
 Nevada
 Majuba Hill mine (minute grains) **24:173–174**
 New Mexico
 Harding mine: **20:64n**; masses **8:124**
 South Dakota
 Tip Top mine **17:(239)**
- BISMUTHAURITE**
Incompletely described mineral
- United States**
 North Carolina
 Rutherford County (poss. maldonite) **13:397**
- BISMUTHINITE**
Australia
 New South Wales
 Kingsgate mines: **16:279–280p**; needles in quartz **16:285**
 Old 25 mine, Kingsgate mines: acicular **16:279**, **16:281p**; bismutite after **16:286p**
 One and Nine mine, Kingsgate mines (bladed mass) **16:280p**
 Wet shaft, Kingsgate mines (acicular) **16:281p**
 Northern Territory
 Tennant Creek **18:(28)**
 Victoria
 Nuggety Reef, Maldon goldfield **18:(28)**
- Canada**
 British Columbia
 Glacier Gulch South Side Group, near Smithers: massive **2:204**; some with gold **15:90**

GENERAL INDEX

- Québec
Evans-Lou pegmatite (rims around bismuth) **3:72, 3:73**
- Czech Republic (formerly Czechoslovakia)**
Jáchymov (St. Joachimsthal) **17:(15)**
- England**
Cornwall
Botallack district (laths, acicular) **24:279**
- Italy**
Boccheggiano mine, Tuscany **10:291n**
- Mexico**
Durango
El Sombrete (micro crystals) **9:37n**
- Peru**
Huancavelica (crystals to 7 mm) **9:36n**
Julcani district **5:217–218**
- United States**
Arizona
Campbell shaft, Bisbee **24:428n**
California
Durham mine, Inyo County **15:13n**
Colorado
Rico Argentine mine, Rico district (crystals on fluorite) **16:215n**
Silverton district, San Juan County **10:358n**
Connecticut
Case quarry, Middlesex County **19:332n**
Maine
Upper Colton Hill pegmatite, Oxford County **22:(383)**
Michigan
Ropes mine, Marquette County (unverified) **17:(120)**
Nevada
Majuba Hill mine (minute grains) **24:174**
Outlaw mine, Nye County **22:178n**
New Mexico
Harding mine (fibrous) **8:124**
-
- BISMUTITE**
- Australia**
New South Wales
Old 25 pipe, Kingsgate mines (primary crystals and after bismuthinite) **16:286–287p**
- Canada**
Québec
Evans-Lou pegmatite (bismutite-beyerite mix) **3:73q**
- Greece**
Kamaréza mine, Laurium (earthy) **7:124n**
- United States**
Arizona
Campbell shaft, Bisbee (after alkinite) **24:428n**
Comstock mine, Cochise County (crystals) **18:360n**
California
Durham mine, Inyo County **15:13n**
Little Three pegmatites, San Diego County **20:121**
Colorado
Lilian mine, Leadville district, Lake County **16:(197)**
Connecticut
Case quarry, Middlesex County **19:332n**
Nevada
Majuba Hill mine (minute grains) **24:174**
Outlaw mine, Nye County (crusts) **22:179**
New Mexico
Harding mine: **20:64n**; earthy, fibrous **8:124**
-
- BISMUTOCOLUMBITE**
- Russia (formerly USSR)**
Danburitovaya mine, Malchan Range, Central Transbaikalia (micro crystals) **23:433**
-
- BISMUTOMICROLITE**
- Russia (formerly USSR)**
Danburitovaya mine, Malchan Range, Central Transbaikalia (micro crystals) **23:433**
-
- BISMUTOTANTALITE**
- United States**
New Mexico
Harding mine (masses) **8:123**
-
- BIXBYITE**
- South Africa**
Cape Province
Kalahari manganese field: **9:151**; 0.5 mm cubes **22:282**
N'Chwaning mine (crystals to 5 mm) **9:151**
Postmasburg mine, Postmasburg (cubes to 2.5 cm) **22:282**
- United States**
Arizona
Ash Creek, Pinal County (epitaxial on spessartine) **23:488–491p**
Shattuck shaft, Bisbee district (massive) **12:294**
New Mexico
Paramount Canyon, Sierra County (locality not specified): **16:139, 16:143p, 20:60**; ilmenite on **20:54–55c,d,p**
Utah
Thomas Range: crystals to 12 mm **10:264h, 10:267p**; oriented on topaz **10:269**
Topaz Mountain, Juab County (“necklace” on topaz) **16:139, 16:142p**
Wah Wah Mountains **10:276–277**
-
- BJAREBYITE**
- United States**
New Hampshire
Palermo mine: **4:126–127, 4:232, 5:278n**; newly described, micro crystals **4:282–285h,c,d,q**
-
- “BLAKEITE”
- Mixture of goethite and tellurite*
- United States**
Nevada
Goldfield, Esmeralda County (2 localities) **16:44h**
-
- “BLANCHARDITE”
- See also Brochantite*
Species status: **3:130**; id as brochantite **3:229–230**
-
- BLIXITE**
- England**
Somerset
Merehead quarry, near Cranmore (blixite-like unknown) **8:301p**
- Sweden**
Långban **8:(517), 10:215, 10:216p**
-
- BLÖDITE**
- Chile**
Chuquicamata (fibrous) **9:325**
-
- BLOSSITE**
- El Salvador**
Izalco volcano **18:(339)**
-
- BOBIERRITE**
- Australia**
Western Australia
Wodgina, Pilbarra district (minute laths) **5:265q**
- Canada**
Yukon
Big Fish River area (minute crystals) **23:Y36q**
-
- BOGDANOVITE**
- Localities not specified **13:392q, 13:393**
- United States**
Arizona
Campbell shaft, Bisbee (grains) **24:428n**
- USSR (former)**
Two localities listed (grains) **13:393n**
-
- BOGGILDITE**
- Greenland**
Ivigut **4:126**
-
- BOGGSITE**
- United States**
Oregon
Goble (near), Columbia County (newly described) **22:57–58h,q,c**
-
- BØGVADITE**
- Greenland**
Ivigut (minute rectangular crystals) **24:G36c**
-
- BÖHMITE**
- Canada**
Ontario
Princess sodalite, near Bancroft mine (fluffy, flaky) **13:227**
- Norway**
Langesundfjord area, Oslo Region **12:227–230p,q,c,d**
- United States**
Arizona
Bisbee district **12:294**
-
- BOKITE**
- United States**
Arizona
Monument No. 2 mine, Apache County **22:(381), 24:(46)**
-
- BOLEITE**
- Mineralogy of the boleite group; numerous world localities **5:280–287h,p,q**
- Australia**
New South Wales
Kintore open-cut, Broken Hill **19:429, 19:430p**
- Chile**
Mina Herminia, Sierra Gorda (“percyllite” id as) **11:103n**
- Greece**
Laurium: micro, in slag **7:121**; minute crystals in slag **4:262–263**
- Mexico**
Baja California
Boléo **5:280h, 5:285q**
Santa Rosalia (cumengite on, 4 cm euhedral) **13:(32p)**
- United States**
Arizona
Mammoth mine, Pinal County **11:163p, 11:172**
Rowley mine, Maricopa County: **5:18**; micro **17:405n**
Montana
Philipsburg, Granite County (greenish blue cubes) **5:282**
-
- BOLIVIA**
- Animas vein, Chocaya district, Potosí **21:98s**
Antequera district, south of Oruro, Oruro Dept. **5:163–164h, 6:125–137**
Araca (see Viloca)
Avicaya mine, near Antequera, south of Oruro **5:163h**
Bolivia mine, Poopó district, Oruro Dept. **6:125–137**
Bronce vein, Oruro district, Oruro Dept. **6:125–137**
Calacalani district, Oruro Dept. **6:125–137, 12:85s**

GENERAL INDEX

- Candelaria mine, Poopó district, Oruro Dept. **6**:125–137
- Cassiterite deposits **8**:52–57
- Chambillaya tungsten mine, near Quime **10**:139s
- Colquiri mine, Inquisivi province, La Paz Dept. **6**:278–281g,h,p
- Coriviri mine, north of Poopó **6**:126s
- El Dragón mine, Potosí **21**:133–146h,m,g,p
- Gordon, Samuel G., expeditions: 1925 **5**:161–166; 1929 **5**:257–259
- Huanuni district, Oruro Dept. **6**:125–137, **18**:245s, **18**:365s, **20**:300s
- Ichucollo mine, Monserrat district, Oruro Dept. **6**:125–137
- Itos mine, Oruro district, Oruro Dept. **6**:125–137s
- La Bomba mine, Conde-Auque district, Oruro Dept. **6**:125–137
- La Colorada mine, Oruro district, Oruro Dept. **6**:125–137s
- La Salvadora mine, Oruro **14**:54s
- Lequepalca district, Oruro Dept. **6**:125–137
- Llallagua, Potosí **4**:27s, **4**:278–279, **5**:161–162g,h, **5**:257–258h, **7**:315b, **13**:235–238s
- María Teresa mine, Challapata district, Oruro Dept. **6**:125–137
- Mark Chance Bandy in **4**:278–279h
- Mineralogy of Llallagua, Bolivia* **7**:315b
- Miraflores mine, Huanuni **13**:41s
- Monserrat mines, near Antequera, south of Oruro, Oruro Dept **4**:278s, **5**:163–164h, **6**:125–137
- Morococala mine, Dalence province, near Oruro **15**:249–250, **23**:276s, **25**:382s
- Mosojilacta **4**:279s
- Orlandini tin mine, Ubina **4**:141s
- Oruro Dept.: **8**:390s, **8**:517s, **23**:84s; mineralogy of 37 mines in 20 districts **6**:125–137h,m,g,p
- Pacajake mine, near Hiaco, Colquechaca **10**:247s
- Poopó **8**:390s
- Porvenir mine, Caracollo district, Oruro Dept. **6**:125–137
- Quimsacoya mine, Huanuni district, Oruro Dept. **6**:125–137
- San Francisco mine, near Villa Tunari, Cochabamba **11**:111s
- San Francisco mine, Poopó district, Oruro Dept. **6**:125–137
- San José mine, Oruro district, Oruro Dept. **6**:125–137s, **14**:388–389s, **15**:46s
- San Miquel mine, Lequepalca district, Oruro Dept. **6**:125–137
- Santa Cruz mine, Poopó **1**:107s, **25**:140s
- Santa Fe mine (actually Morococala mine; see **15**:249), near Morococala, Dalence province **14**:388s, **15**:45s
- Santa Isabella mine, Conde-Auque district, Oruro Dept. **6**:125–137
- Siglo XX mine, Llallagua **13**:41s
- Socavon mine, Oruro district, Oruro Dept. **6**:125–137s
- Tarumita mine, Caracollo district, Oruro Dept. **6**:125–137
- Totoral mine, near Antequera, south of Oruro **5**:163h
- Transport of minerals without permit outlawed (1981) **12**:393
- Trinacria mine, Poopó district, Oruro Dept. **6**:125–137
- Unificada mine, Cerro de Potosí **10**:35s
- Viloca (Araca) mines, Pongo, north end of Quimsa Cruz range, southeast of La Paz **4**:278s, **5**:164, **11**:322s, **18**:365s, **20**:394s, **25**:60s
-
- BOLTWOODITE**
-
- Namibia**
- Arandis (acicular to 1 cm) **6**:250–251
-
- United States**
- California
- New Method mine, San Bernardino County (on purple fluorite) **16**:150, **16**:151p
- “BONAMITE”
-
- See *Smithsonite*
-
- BONATTITE**
-
- United States**
- Nevada
- Steamboat Springs, Washoe County (botryoidal crusts) **16**:31n
-
- BOOK REVIEWS**
-
- See also *Publications*
- Abbreviated Manual of Franklin Minerals*, An. Ervin F. Kushner. 1970 **2**:47
- Achate—Bilder im Stein*. Dr. Josef Arnoth. 1986 **20**:150–151
- Alpe Devero ed i Suoi Minerali*, L'. Claudio Albertini. 1991 **24**:399
- Alpinen Klufth Mineralien der österreichischen Ostalpen*, Die. Heinz Weninger. 1974 **8**:66
- American Geological Literature, 1669 to 1850*. Robert M. Hazen & Margaret H. Hazen. 1980 **15**:47
- Answers About Rocks and Minerals*. Frederick Smithline. 1971 **3**:40–41
- Antero Aquamarines*. Mark I. Jacobsen. 1993 **25**:147
- Atlante dei Minerali di Baveno*. Giuseppe Nova. 1987 **20**:490
- Atlas des Minéraux Metalliques*. P. Pico & Z. Johan. 1978 **9**:256
- Bergbaugeschichte, Geologie und Mineralien von Ehrenfriedersdorf/Sa, mit 30 Exkursionszielen*. S. Flach, F. Hofmann, B. Lahl, M. Mann, & G. Urban. 1991 **23**:413
- Bergkristall (ExtraLapis No. 3)*. Max Glas, ed. 1992 **25**:305
- Bergkristall; Stein der Weisen der Wissenschaft*. 1992 **24**:399
- Bergmanns Geleucht: Offenes Geleucht: Karbidlampen*, Des. Karsten Porezag. 1982 **14**:60
- Bibliography of American locality literature, by state **18**:211–227
- Bibliotheca De Re Metallica: the Herbert Clark Hoover Collection of Mining and Metallurgy*. David Kuhner (annotator), Tania Rizzo (cataloger), and Cyril Stanley Smith (introduction). 1980 **15**:311
- Birthday Book of Gems*. Harold & Erica Van Pelt, photographers. (no year) **18**:117
- Brazil: Paradise of Gemstones*. Jules R. Sauer. 1982 **15**:311
- Butte's Memory Book*. Don James. 1980 **15**:311
- Caleidescop Mineralogic*. Rodiscu Apostolescu. 1987 **19**:340
- Chemical Equilibria in the Earth*. Wallace S. Broecker & Virginia M. Oversby. 1971 **3**:124
- Cleaning and Preserving Minerals*. Richard M. Pearl. 1971 **3**:277
- Collector's Catalog, The*. Joseph W. Pfeifer. 1991 **23**:411
- Collector's Guide to Rocks and Minerals, The*. James R. Tindal & Roger Thornhill. 1975 **6**:313
- Collector's Guide to the Minerals, Rocks and Gemstones in Cornwall and Devon*, A. **1**:150
- Colorado Gold, from the Pike's Peak Rush to the Present*. Stephen M. Voynick. 1992 **23**:503
- Colorado pegmatites: abstracts, short papers, and field guides from the Colorado Pegmatite Symposium, May 30–June 2, 1986*. Peter J. Modreski, ed. 1986 **20**:402
- Color and Symmetry*. Arthur Loeb. 1971 **3**:133
- Colorful Mineral Identifier*. Anthony C. Tennissen; photographs by Werner Lieber. 1969 **4**:82
- Color Treasury of Crystals*. Carlo Bevilacqua & Vincenzo de Michele. 1972 **3**:276
- Color Underground*. John S. White; photographs by Lee Boltin. 1971 **4**:146–147
- Complete Book of Micromounting*. Quintin Wight. 1993 **24**:398–399
- Complete Guide to Rocks, Minerals, and Gems, The*. Hans Tanner, ed. 1970 **2**:228–229
- Connecticut Mines and Minerals*. John Hiller. 1971 **2**:139
- Contemporary Crystallography*. Martin J. Buerger. 1970 **3**:124
- Contributo alla Mineralogia del Vicentino*. M. Boscardin & S. Sovilla. (no year) **23**:413
- Cornwall's Old Mines*. H. V. Williams. (no year) **5**:94–95
- Crystal Chemistry and Refractivity*. Howard W. Jaffe. 1988 **20**:402
- Crystal Growth*. H. E. Buckley. (no year) **1**:130
- Crystal Growth in Gels*. Heinz K. Henisch. 1970 **2**:87
- Crystallography and Crystal Chemistry*. Donald F. Bloss. 1971 **2**:88, **2**:140
- Crystal Quest I*. Marcel Vanek. 1991 **22**:309
- Crystals and Crystal Growing*. Alan Holden & Phyllis Singer. 1960 **1**:81
- Crystals and Light*. Elizabeth Wood. 1964 **1**:82
- Crystals and Their Structures*. Arthur P. Cracknell. 1969 **2**:148
- Crystals and the Polarizing Microscope*. N. H. Harsthorne & A. Stuart. 1970 **2**:148
- Crystals and X-rays*. H. S. Lipson. 1970 **3**:133
- Curious World of Crystals, The*. Lenore Sander. 1964 **2**:87–88
- Dictionary of Rocks*. Richard S. Mitchell. 1985 **17**:143
- DIG IT! A Directory of Fee-Basis Rock Collecting Sites Open to Amateurs*. Carol E. Kindler. 1978 **9**:256
- Discovery of the Wingstars, The*. Russel T. Wing. 1970 **2**:35; rebuttal from author **2**:96
- Edelsteinkundliches Handbuch*. Karl F. Chdoba & E. J. Gübelin. 3rd ed. (no year) **7**:87
- Edlen Steine Sachsens, Die*. Werner Quellmalz. 1990 **23**:412
- Eifel Mineralen, Mineraux, Mineralien*. Eddy Van Der Meesche. (no year) **25**:306
- Emerald and Other Beryls*. John Sinkankas. 1981 **14**:59
- Encyclopedia of Minerals*. Willard L. Roberts, George R. Rapp, Jr., & J. Weber. 1974: **6**:41–43; letter **6**:212
- Encyclopedia of Minerals*. Willard L. Roberts, Thomas J. Campbell, & George R. Rapp, Jr. 2nd ed., 1990 **21**:496–497
- Encyclopedia of Rocks and Minerals*. Anonymous (Cracker Jack prize, prob. by Herbert S. Zim). (no year) **7**:318
- Entdeckung des Isomorphismus, Die*. Hans-Werner Schütt. 1984 **19**:125
- Epidotfundstelle Knappenwand*. Robert Seeman. 1987 **19**:340
- Erz- un Minerallagerstätten des Mittleren Schwarzwaldes*. M. Bliedtner & M. Martin. 1986 **19**:340
- Exploring Crystals*. James Berry. 1969 **3**:40
- Fabulous Keokuk Geodes, The* (vol. 1). Steven R. Sinotte. 1969 **2**:35–36
- Famous Mineral Localities of Canada*. Joel D. Grice. 1989 **21**:497–498
- Field Description of Sedimentary Rocks, The*. Maurice E. Tucker. 1982 **14**:60
- Field Guide to Rocks and Minerals*, A. Frederick H. Pough. 4th ed., 1976 **8**:416
- Field Ion Microscopy*. Erwin W. Müller & Tien Tzou Tsong. 1969 **3**:124
- Fluorit (ExtraLapis No. 4)*. Max Glas, ed. 1992 **25**:305

- Frog Lamps, A Survey of Examples from 1529 to 1979.* Wendell E. Wilson. 1981 **13**:176
- Gem and Crystal Treasures.* Peter Bancroft. 1984 **15**:373–374
- Gem Cutting, A Lapidary's Manual.* John Sinkankas. 3rd ed., 1984 **16**:160
- Gems, Granites, and Gravels; knowing and using rocks and minerals.* R. V. Dietrich & Brian Skinner. 1990 **22**:153
- Gems of the USSR.* J. P. Samsonov & A. P. Turingue. 1984 **19**:340
- Gemstone and Mineral Data Book.* John Sinkankas. 1972. **4**:82
- Geode Country.* Stephen R. Sinotte. 1972 **3**:277–278
- Geologic Reference Sources.* D. C. Ward & M. W. Wheeler. 1972 **5**:193–194
- Geologie der Eifel.* W. Meyer. 1986 **19**:126
- Geologischer Wanderführer: Eifel.* Wilhelm Meyer. 1983 **19**:126
- Geology of Ore Deposits, The.* John M. Guilbert & Charles F. Park, Jr. 1986 **20**:401–402
- Geology of World Gem Deposits.* S. L. van Landingham, ed. 1985 **17**:143
- Giacimenti Uraniferi Italiani e i Loro Minerali, I.* Danieli Ravagnani. 1974 **20**:490
- Giant Crystals, Precious Minerals.* Henri-Jean Schubnel. 1987 **20**:149–150
- Gill's Index to Journals, Articles and Books Relating to Gems and Jewelry.* Joseph O. Gill. 1978 **12**:120
- Glossary of Geology.* Margaret Gary, Robert McAfee, Jr., & Carol C. Wolf, eds. 3rd ed. (no year) **4**:81–82
- Glossary of Geology.* Robert L. Bates & Julia Jackson. 1987 **22**:2
- Glossary of the Minerals of the Lake District and Adjoining Areas.* B. Young. 1987 **19**:206
- Gold Fever.* Kenneth J. Kutz. 1987 **20**:489
- Gold: History and Genesis of Deposits.* Robert W. Boyle. 1987 **18**:4, **19**:75
- Gold: Mineral, Macht und Illusion: 500 Jahre Goldraush.* Maximilian Glas, ed. 1992 **23**:504
- Gold—Vorkommen und Gewinnung in Europa.* Dr. Wolfgang Homann. 1986 **18**:4
- Great Metal Mines of Wales, The.* (Number One) David E. Bick. 1975 **7**:317
- Grönland: Mineralien, Geologie, Geschichte.* Ole V. Petersen & Karsten Secher. 1985 **18**:357
- Grosse Lapis Mineralienverzeichnis, Der.* Stefan Weiss. 1990 **22**:309
- Growth of Single Crystals, The.* Robert A. Laudise. 1970 **2**:246ff
- Grundwissen in Mineralogie.* E. Nickel. 1973 **5**:94
- Guidelines for the Curation of Geological Materials.* Brunton, Besterman, & Cooper. 1985 (letter) **19**:341
- Guide to Mineral Collecting at Franklin and Sterling Hill, New Jersey.* A. Ervan F. Kushner. 1974 **6**:150–151
- Guide to Mineral Collecting at Ouray, Colorado.* A. Ervan F. Kushner. 1972 **5**:90–91
- Guide to the Minerals of Switzerland.* A. Max Weibel. 1966 **2**:139
- Handbook of Crystal and Mineral Collecting.* William B. Sanborn. 1966 **4**:44
- Handbook of Mineralogy.* John W. Anthony, Richard A. Bideaux, Kenneth W. Bladh, & Monte C. Nichols. 1990 **22**:59–60
- Harzer Bergbau und Minerale: St. Andreasberg.* Georg Gephard with Klaus Stedingk. 1988 **19**:205–206
- Henkel Glossary of Fluorescent Minerals.* Gerhard Henkel. 1989 **21**:497
- How to Invest in Gems: Everyone's Guide to Buying Rubies, Sapphires, Emeralds, and Diamonds.* Benjamin Zucker. 1976 **8**:66–67
- Hunsrück und Nahe.* Volker Kneidl. 1984 **19**:126
- Idaho Minerals.* Lanny R. Ream. 1989 **20**:489
- Index of Crystallographic Supplies.* Reuben Rudman. 3rd ed., 1972 **4**:44–45
- International Handbook, The.* Sande H. Zirlin. 1981 **13**:175
- Introduction to Crystal Chemistry, An.* R. C. Evans. 1966 **1**:81–82
- Introduction to Crystal Geometry.* Martin J. Buerger. 1971 **2**:246
- Introduction to Japanese Minerals.* M. Nambu, ed. cmte. chair. 1970 **4**:147
- Introduction to the Chemistry of Rocks and Minerals, An.* Max B. Perrin. 1975 **8**:67
- Introduction to the Methods of Optical Crystallography.* F. Donald Bloss. 1961 **1**:129–130
- Inventaire Minéralogique de la France: No. 3, 29-Finistère (1973); No. 4, 06-Alpes Maritimes (1974); No. 5, 22-Côtes du Nord (1975); No. 6, 81-Tarn (1976).* Bureau de Recherches Géologiques et Minières. **8**:67
- Inventaire Minéralogique de la France: No. 9, 56-Morbihan.* R. Pierrot, L. Chauris, C. LaForet, & F. Pillard. 1980? **12**:120
- Inventaire Minéralogique de la France: 15-Cantal.* R. Pierrot, P. Picot, & J. J. Périchaud. 1971 **6**:43–45
- Inventaire Minéralogique de la France: 05-Hautes Alpes.* R. Pierrot, P. Picot, & P. A. Poulain. 1972 **6**:43–45
- Irradiation Colors and Luminescence.* Karl Przibram. 1956 **2**:148ff
- Jade, Jewel des Himmels.* (exhibition catalog) 1992 **25**:306
- Klöß, ein Südossteirisches Basaltvorkommen und Seine Minerale.* J. Taucher, W. Postl, B. Moser, D. Jakely, & P. Golob. 1989 **21**:498
- Klüfte und Kristalle.* P. Amacher. 1986? **19**:126
- Kristall Alpin (ExtraLapis No. 5).* Max Glas, ed. 1992 **25**:305
- Kristalle unter der Lupe.* Werner Lieber. 1972 **4**:81
- Kristalle wie sie wirklich sind.* Werner Lieber. 1977 **9**:383
- Lapis Lazuli, Le.* Claire da Cunha. 1989 **22**:153
- Larousse de Pierres Precieuses: fines, ornamentales, organiques.* Pierre Bariand & Michel Duchamp. 1985 **19**:125
- Literature of Mineralogy, The.* Michael O'Donoghue. 1986 **19**:206
- Maine's Treasure Chest: Gems and Minerals of Oxford County.* Jane C. Perham. 1987 **19**:339
- Manual of Mineralogy.* Cornelius S. Hurlbut, Jr. & Cornelius Klein. 1977 **9**:123
- Manual of the Mineralogy of Great Britain and Ireland.* Robert P. Greg & William G. Lettsom. Facsimile of 1858 ed. with additions. 1977 **11**:49
- Mathematical Practitioners of Hanoverian England 1714–1840, The.* E. G. R. Taylor. 1989 **20**:489
- Menschen, Minen, und Mineralien.* Werner Lieber. 1979 **11**:50
- Metalliferous Mining Region of South-west England, The.* H. G. Dines. 1988 **20**:489–490
- Metallogeny and Global Tectonics.* Wilfred Walker, ed. 1976 **7**:317
- Metalogeneza Asociată Vulcanismului Neogen din Nord-Vestul Muntilor Oas.* Bucharest, 1986 **19**:340
- Micromounter, Der.* Alex Kipfer. 1972 **3**:276–277
- Mineral Collecting in Pennsylvania.* Davis M. Lapham & Alan R. Geyer. 1969 **2**:139
- Mineral Economics of Africa.* N. de Kun. 1987 **19**:206
- Minerale des Döhleener Beckens, Die.* Klaus Thalheim, Wolfgang Reichel, & Thomas Witzke. 1991 **24**:399
- Minerale Salzburgs, Die.* Albert Strasser. 1989 **21**:498
- Mineralfundorte in Europe.* G. Strübel & S. H. Zimmer. 1990 **23**:413
- Mineralfundstellen Atlas Deutschland West.* Stefan Weiss. 1990 **23**:413
- Mineral-Fundstellen: Baden-Württemberg.* M. Glas & H. Schmeltzer. (no year) **7**:315
- Mineralfundstellen im Land Salzburg.* Rupert Hochleitner. 1989 **21**:498
- Mineralfundstellen Ostharz und Lausiz.* H. Vollstädt, J. Siemroth, & S. Weiss. 1991 **23**:413
- Mineralfundstellen Sächsisches Erzgebirge.* H. Vollstädt & S. Weiss. 1990 **23**:413
- Mineral-Fundstellen: Skandinavien.* H. J. Wilke. (no year) **7**:315
- Mineralfundstellen Thüringen und Vogtland.* H. Vollstädt, R. Schmidt, & S. Weiss. 1991 **23**:413b
- Mineral-Fundstellen: Tirol, Salzburg, Südtirol.* L. Fruth. (no year) **7**:315
- Minerali Alpini e Prealpini.* C. M. Gramaccioli. 1975 **7**:315–317
- Minerali della Valle di Fassa Dove si Trovano e Come si Presentano, I* (Quaderno #3). Alessandro Braccio. 1968 **20**:490
- Mineralien der Eifelvulkane, Die.* G. Hentschel. 1983 **19**:126
- Mineralien der Schweiz, Die.* Max Weibel, Stefan Graeser, W. F. Oberholzer, & H.-A. Stalder. 1990 **22**:309
- Mineralien des Binntales, Die.* Stalder, P. Embrey, S. Graeser, & W. Novacki. 1978 **19**:126
- Μ δουλμην des Gotthardbahntunnels und des Gotthardstrassentunnels N2, Die.* H. A. Stalder, V. Sicher, & L. Lussmann. 1980 **19**:126
- Mineralien des Schwarzwaldes und ihre Fundstellen, Die.* Kurt Walenta. 1992 **24**:399
- Mineralienführer Harz, Der.* Frank Klose. 1985 **19**:126
- Mineralienführer Ostharz, Der.* Frank Klose. 1990 **22**:153
- Mineralienfundstellen im Raum Bad Lauterberg.* Heinrich Hotze. 1989 **22**:153
- Mineralienkunde.* Robert L. Parker. 5th ed. by H. U. Bambauer. 1975. **7**:87
- Mineralien Richtig Reinigen.* Ernst Sury. 1991 **25**:206
- Mineralien und Fundstellen, Bundesrepublik Deutschland.* R. Bode & A. Wittern. 1989 **21**:496
- Minerali Ossolani.* V. Mattioli. 1979 **19**:126
- Mineral Museums of Europe.* Ulrich Burchard & Rainer Bode. 1986 **18**:117
- Mineralogie der Grube Lengenbach, Binntal, Wallis.* B. Hofmann, S. Graeser, T. Imhof, V. Sicher, & H. A. Stalder. 1993 **25**:305–306
- Mineralogie.* Siegfried Matthes. 2nd ed., 1987 **19**:340
- Mineralogische Tabellen.* Hugo Strunz. 7th ed., 1978 **11**:50
- Mineralogy of Arizona.* John W. Anthony, Sidney A. Williams, & Richard A. Bideaux. 1977 **8**:415
- Mineralogy of Llalagua, Bolivia.* Mark Chance Bandy. 1944; reprint 1976 **7**:315
- Mineralogy of Michigan.* E. William Heinrich. 1976 **8**:415–416
- Mineralogy of Pennsylvania 1966–1975, The.* Robert C. Smith II. (no year) **11**:49

GENERAL INDEX

- Mineralogy of Precious Metal Deposits, a symposium on the mineralogy of gold and silver deposits in Colorado and other areas.* Peter J. Modreski, ed. 1988 **20**:402
- Mineralogy of the Diamond, The.* Yu. L. Orlov. 1977 **9**:383
- Minerals and Gemstones of Nebraska.* Roger K. Pabian. 1971 **3**:278
- Minerals in Industry.* W. R. Jones. 1963 **1**:81
- Minerals of Broken Hill.* H. K. Worner & R. W. Mitchell, eds. 1982 **14**:253
- Minerals of California.* H. Earl Pemberton. 1983 **15**:47–48
- Minerals of Cornwall and Devon.* Peter Embrey & Robert Symes. 1987 **19**:138, **19**:339–340
- Minerals of Franklin and Sterling Hill, The: A Check List.* Clifford Frondel. 1972 **4**:44
- Minerals of Georgia (Their Properties and Occurrences).* Robert B. Cook. 1978 **11**:49–50
- Minerals of the English Lake District: Caldbeck Fells.* M. P. Cooper & C. J. Stanley. 1990 **22**:153
- Minerals of the Maldon Goldfield.* J. C. Haupt. 1982 **15**:47
- Minerals of the St. Lawrence Valley.* George W. Robinson & Schuyler W. Alverson. 1974 **5**:90
- Minerals of the Washington, D.C. Area.* Lawrence R. Bernstein. 1980 **13**:175
- Minerals of Virginia.* R. V. Dietrich. 1970 **7**:315
- Minerals of Washington.* Bart Cannon. 1975 **8**:416
- Mineral Tables: Hand Specimen Properties of 1500 Minerals.* R. V. Dietrich. 1969 **1**:82
- Miners' Open-flame Lamps: Oil Lamps, Grease Lamps, and Candle Lamps.* Karsten Porezag. 1982 **13**:176
- Mines et Minéraux de Alpes Maritimes.* D. & G. Mari. 1982 **19**:126
- Mines et Minéraux de la Provence Crystalline.* D. & G. Mari. 1982 **19**:126
- Miniera di Traversella e i Suoi Minerali, La* (Quaderno #10). Roberto Torti. 1973 **20**:490
- Mining Lore.* Wolfgang Paul. 1970 (review and excerpts) **12**:113–115
- Molecular and Crystal Structure Models.* Anne Walton. 1978 **11**:50
- Monteregian Treasures.* J. A. Mandarino & V. Anderson. 1989 **20**:401
- Moon Rocks and Minerals.* Alfred A. Levinson & S. Ross Taylor. 1971 **3**:124
- Most-recommended mineral reference books (47 titles): **9**:6–13; letters **9**:270–271
- Murphy's Law and other Reasons Why Things Go Wrong!* Arthur Bloch. 1977 **9**:383–384
- Museos Españoles de Minerales.* E. L. Gomez, B. C. Perez, & A. H. Rodriguez. 1990 **23**:503
- Natural Zeolites.* Glauco Cottardi & Ermanno Galli. 1985 **17**:143
- Nature of Solids, The.* Alan Holden. 1965 **1**:129
- Nature of the Stratigraphic Record, The.* Derek V. Ager. 2nd ed., 1981 **13**:175
- Natürliche und Synthetische Rubine.* Karl Schmetzer. 198(?) **19**:125–126
- (Nearly) Complete Bottom-Guide for Carbide Cap Lamps, The. Wendell E. Wilson. 1981 **13**:176
- Neues Hobby, Ein: Kleinmineralien.* Alex Kipfer. (no year) **6**:151
- Nonparametric Geostatistics.* Stephen Henley. 1981 **13**:175
- Nostrì Minerali: geologia e mineralogia in Liguria.* I. M. Antonfili, E. Borgo, & A. Palenzona. 1983 **19**:126, **20**:490
- Oddities of the Mineral World.* William B. Sanborn. 1976 **8**:416–417
- Old Metal Mines of Mid-Wales, The.* Part 1: Cardiganshire—South of Devil's Bridge (1974); Part 2: Cardiganshire—The Rheidol to Gonigan (1975); Part 3: Cardiganshire—North of Gonigan (1976). David E. Bick. **7**:317
- Opal, South Australia's Gemstone.* L. C. Barnes & I. J. Townsend. 1982 **14**:60
- Optischen Instrumente der Firma R. Fuess, Die.* C. Leiss. 1988 **20**:150
- Origin of Agates, Thundereggs and Other Nodular Structures, The.* Benjamin M. Shaub. 1989 **21**:498
- Origins of the Science of Crystals.* John G. Burke. 1966 **1**:129
- Pegmatitele din Carpatii Meridionali.* H. P. Hann. 1987 **19**:340
- Phosphate Minerals of Victoria.* W. D. Birch & D. A. Henry. 1993 **25**:305
- Photo Atlas of Inclusions in Gemstones.* E. J. Gubelin & J. I. Koivula. 1986 **19**:125
- Pikes Peak Gold.* Fred & Jo Mazzula. 2nd ed., 1986 **18**:4
- Principles of Crystal Structure Determination.* G. B. Carpenter. 1969 **2**:280
- Principles of Geochemistry.* Brian Mason & Carleton B. Moore. 1982 **14**:60
- Proctor Collection, The.* (videotape) 1988 **23**:504
- Quarz: die Eigenheiten von Bergkristall, Rauchquarz, Amethyst und anderen Varietäten.* Rudolf Rykart. 1989 **20**:490
- Quest for New Jersey Minerals.* Robert Speiser. (no year) **9**:384
- Revised and Expanded Dana Classification for Phosphates, Arsenates, and Vanadates.* A. James A. Ferraiolo & Curt G. Segeler. 1977 **9**:123
- Rock and Mineral Analysis.* Wesley M. Johnson & John A. Maxwell. 2nd ed., 1981 **13**:175
- Rock-forming Minerals, vol. 2A, single-chain silicates.* W. A. Deer, R. A. Howie, & J. Zussman. 1978 **11**:50–51
- Rocks and Minerals.* Joel Arem. 1973 **4**:144–145
- Rocks and Minerals.* Lou W. Page. 1962 **2**:228
- Rocks and Minerals.* Richard M. Pearl. 1956 **2**:87
- Safrirul si Rubinul.* Octavian Birau, Andamaria Ciuhandu, & Dorina Andru Vangheli. 1986 **19**:340
- Salzburg Mineralogical Handbook.* Albert Strasser. (no year) **9**:256
- Sardegna e i Suoi Minerali, La.* A. Pietracaprina & G. Brizzi. (no year) **19**:340
- Schauinsland: Geschichte, Geologie, Mineralien, Der.* B. Steiber. 1986 **19**:126
- Science of Minerals in the Age of Jefferson, The.* John C. Greene & John G. Burke. 1978 **10**:314
- Secrets in Stones.* Rose Wyler & Gerald Ames. 1970 **2**:229
- SEM Petrology Atlas, The.* (letter) Joann E. Welton. 1984 **22**:312
- Silver from Kongsberg.* Ole Johnson. 1987 **19**:340
- Smaragd; Grünes Feuer unterm Eis.* Gunter Grundmann. 1991 **23**:504
- Story of Fluorescence, The.* Raytech Equipment Co. 1965 **1**:82
- Structure-Property Relations.* Robert E. Newnham. 1975 **7**:318
- Studio Handbook of Minerals, The.* Hellmuth Boegel (John Sinkankas, ed.). 1971 **4**:45
- Südtirol: Bergwerke, Höhlen, Heilquellen.* Herbert Kuntscher. 1990 **23**:413b
- Systematic Classification of the Nonsilicate Minerals.* James A. Ferraiolo. 1982: **14**:59–60; update published **18**:322
- System of Mineral Collecting.* A. Joseph W. Pfeifer. 1991 **23**:411
- Tsumeb, a Historical Sketch.* G. Sohngé. 1967 **5**:91–93
- Tsumeb, eine deutsches-afrikanische Geschichte.* Gerog Gebhard. 1991 **23**:412
- Tucson Experience, The: World's Largest Gem and Mineral Shows.* (videotape) 1992 **23**:503
- Turmaline, Der: eine Monographie.* Friedrich Benesch. 1990 **23**:412
- Über die Erzlagerstätten des Harzes.* Conrad Blömeke. 1986 **19**:340
- Use of Earth Sciences Literature.* D. N. Wood, ed. 1973 **5**:193–194
- Visitant le Grande Collections Mineralogiques Mondiales, En.* Claude Guillemin & Jean Mantiene. 1988 **20**:149
- Wakabayashi Mineral Collection, The.* R. Sadanaga & M. Bunno. 1974 **6**:210–211
- What's so Funny About Science?* Sidney Harris. 1978 **9**:257
- Wonders of Stones.* Christie Mcfall. 1970 **3**:41–42
- World Gold Deposits: A Quantitative Classification.* J. J. Bache. (no year) **19**:75
- World of Minerals, The.* Vincenzo de Michele. 1972 **4**:145–146
- World of Minerals Through Postage Stamps, The.* Jean-Michel Autissier. 1987 **19**:205
- World's Finest Minerals and Crystals.* Peter Bancroft. 1973 **5**:93
- World Treasury of Minerals in Color; Le Monde Merveilleux des Mineraux.* Pierre Bariand; Nelly Bariand, photographer. 1976 **7**:317–318
- X-Ray Crystallography.* R. W. James. 1953 **1**:130
- X-ray Data for Minerals.* J. J. Finney, Gobel Volker, & Henry Briceno. 1974 **5**:95
- Zauberwelt der Mineralien.* Harry Wilk; photos by Olaf Medenbach. 1977 **9**:256
- Zeolites of the World.* Rudy Tchernich. 1992 **23**:410–411
- Zeolites of Victoria.* W. D. Birch, ed. 1989 **21**:497

BOOTHITE

United States

Arizona

Grand Reef mine, Graham County (tentative id) **11**:225

BORACITE

England

North Yorkshire

Boulby mine: **25**:138p, **25**:140n; crystals to 5 mm **25**:61c, **25**:63p; cuboctahedral to 2 mm **23**:434

BORAX

Forestalling dehydration **6**:88

Toxicity **11**:6

World boron deposits and production **3**:165–172, **3**:213–220

United States

California

Kramer deposit, Boron, Kern County (euhedral to 10 cm, altered to tinalconite) **6**:87–88p

Searles Lake (euhedral to 4 cm) **6**:74d, **6**:76c

BORNITE

Australia

Queensland

Mt. Oxide mine **19**:(485)

South Australia

Hamley mines, Moonta district **19**:412

Walleroo mines **19**:413

Austria

Frossnitzalpe, East Tyrol: **20**:483; large crystals **17**:106n, **17**:109p

Brazil

Minas Gerais

Énio pegmatite, near Galiléia (in polished sections) **12**:69n

GENERAL INDEX

Canada

- British Columbia
 - Diorite group, southwest of Hazelton **2**:206–207
 - Mt. Washington mine, Vancouver Island (massive) **15**:90n
 - Rocher Déboulé mine, near Hazelton (massive) **15**:91n
- Northwest Territories
 - Port Radium **20**:(203)
- Ontario
 - Mamainse Point mines (cubic micro crystals) **13**:107, **13**:108p

Chile

- Chuquicamata (cubic crystals) **9**:323

China

- Hengyang, Hunan province **20**:(69)

England

- Cornwall
 - Botallack district (formerly “erubescite”) **24**:279

Germany

- Rheinland-Pfalz
 - Angelika mine, Nieder-Beerbach **17**:(7)

Italy

- Tuscany
 - Carrara region (masses, with digenite) **18**:268–269

Kazakhstan (formerly USSR)

- Dzhezkazgan: **20**:398; octahedral to 3 cm **25**:217p, **25**:218; 2 cm crystals **23**:280n; 2 cm dodecahedral **25**:381n

Namibia

- Tsumeb **8**:T20, **8**:T83p

South Africa

- Transvaal
 - Messina district (massive) **22**:196

United States

- Arizona
 - Bisbee district **12**:294
 - Campbell shaft, Bisbee district (1000-ton masses) **12**:294
 - Cole shaft, Bisbee district (crystals to 2 cm) **12**:294
 - Junction shafts, Bisbee district (100-ton masses) **12**:294
 - Magma mine, Pinal County (1 cm crystals) **14**:76
 - New Cornelia mine, Pima County (massive veins) **14**:294
 - 79 mine (in polished section) **3**:264
- California
 - Hale Creek mine, Trinity County **18**:(347)
 - Jensen quarry, Riverside County **15**:287n
 - Monitor-Mogul district, Alpine County (in polished sections) **22**:36
 - Thompson mine, Inyo County (massive) **15**:13n
- Colorado
 - New Star mine, Italian Mountain area, Gunnison County **15**:86n
 - Silverton district, San Juan County **10**:358n, **23**:424n
 - Sweet Home (Home Sweet Home) mine, Park County (anhedral) **10**:337
- Michigan
 - Keweenaw Peninsula (numerous localities) **23**:M53
 - Ropes mine, Marquette County **17**:120n
- Nevada
 - Killie mine, Elko County **18**:416
 - Majuba Hill mine **16**:(62)
- New Jersey
 - Chimney Rock quarry, Somerset County (massive) **9**:28
 - Planten Avenue quarry, Passaic County: massive **17**:129n; with wire silver **17**:408

- Prospect Park quarry, Passaic County **9**:172–173
- Sterling mine (massive) **25**:98
- New Mexico
 - Hansonburg district, Socorro County **20**:(35)
 - Magdalena district, Socorro County **20**:(18)
- Pennsylvania
 - French Creek mine, Chester County (massive; coating calcite) **25**:112
- Virginia
 - Fairfax quarry, Fairfax County (poss. after chalcocopyrite, to 8 cm) **3**:177–178

Zaire

- Mashamba mine **20**:146
- Shinkolobwe mine **20**:(276)

BORON MINERALOGY

See also names of species

- Early exploration **4**:272–274
- Geology of deposits **3**:213–220
- Kramer deposit, Boron, CA **6**:84–91, **19**:315–318
- Ores, uses, distribution **3**:165–172

BOSNIA-HERZEGOVINA

- Formerly Yugoslavia*
- Sarajevo **22**:393s
- Zagradski Creek, near Busovaka **16**:306s

BOTALLACKITE

England

- Cornwall
 - Wheal Cock, near St. Just **24**:279h

United States

- Arizona
 - Campbell shaft, Bisbee (tabular) **24**:428n

BOTRYOGEN

Australia

- Queensland
 - Mt. Isa mine (some crystals) **19**:478

Chile

- Chuquicamata, Antofagasto **9**:329
- Quetena mine, Antofagasto (“quetenite”) **14**:356

Italy

- Liguria
 - Libiola mine, Genova (3.5 cm doubly terminated crystal) **25**:215

United States

- Arizona
 - Campbell shaft, Bisbee district (post-mining crust) **12**:294
- California
 - Stayton mine, Stayton district **20**:432

BOTSWANA

- Mkarikari **18**:193s

BOULANGERITE

Australia

- Northern Territory
 - Mt. Bonnie mine **19**:(444)
- Queensland
 - Mt. Isa mine (some in quartz) **19**:478p

Bolivia

- San José and Itos mines, Oruro district (felted) **6**:133

Canada

- British Columbia
 - Sunrise group (fibrous) **2**:205
- Ontario
 - Rogers Fluorspar mine, near Madoc: **13**:111p; micro helix **1**:111, **1**:112p; micro ring in calcite **24**:311n, **24**:313p; micro rings **1**:108–109p; micro rings, cylinders **10**:298n, **13**:89, **13**:91c
 - Taylor farm, near Madoc **13**:(80)

Czech Republic (formerly Czechoslovakia)

- Bohutín district, Příbram ore field (fibrous) **12**:162n,p
- Příbram (15 x 12 cm specimen) **22**:461p

France

- Les Farges mine, Corrèze **13**:(267)
- Saint-Pons (near), Haute-Provence (acicular) **24**:41

Greece

- Kamaréza mine, Laurium **25**:279

Italy

- Tuscany
 - Carrara region **18**:278
 - Niccioleta mine **10**:284

Mexico

- Zacatecas
 - Noche Buena (acicular “jamesonite” id as) **2**:187–188

Peru

- Mimosa mine, Julcani district (massive) **5**:218

Serbia (formerly Yugoslavia)

- Trepča **20**:(152); hairs to 30 cm in vugs **4**:60n,p

United States

- California
 - Kalkar quarry, Santa Cruz County **17**:321
- Colorado
 - Brobdignag prospect, San Juan County **7**:275n
 - Silverton district, San Juan County **10**:358n
- Idaho
 - Bunker Hill mine (films, stringers, needles) **12**:341
- Wisconsin
 - Rib Mountain, Marathon County (in quartz) **12**:95

BOURNONITE

Australia

- New South Wales
 - Broken Hill **19**:424n
- Queensland
 - Mt. Isa mine **19**:478–479p
- Victoria
 - A1 mine, Walhalla-Woods Point belt **18**:28
 - Glen Wills **18**:(28)
 - Steiglitz **18**:(28)

Bolivia

- La Colorada mine, Oruro district (untwinned) **6**:133

Czech Republic (formerly Czechoslovakia)

- Bohutín district, Příbram ore field **12**:159p,d

China

- Chenzhou, Hunan: **21**:(488); 2 cm crystals **25**:140n
- Hengyang, Hunan **20**:236

England

- Cornwall
 - Herodsfoot mine (2–3 cm cogwheels) **21**:97n

France

- Les Farges mine, near Ussel, Corrèze **13**:(267)
- Les Malines mine, Saint Laurent le Minier, Gard (cogwheels to 10 cm) **23**:431p, **23**:434
- Mine de la Mure, Isère **20**:483
- Saint-Pons (near), Haute-Provence (prismatic to 6 mm) **24**:42

Germany

- Rheinland-Pfalz
 - Friedrichsseggen mine **15**:(342)
- Siegerland
 - Georg mine **18**:356n, **19**:121n
 - Horhausen (5.5 cm specimen) **8**:40p

Italy

- Tuscany
 - Buca della Vena mine (bourmonite-seligmannite) **17**:264
 - Calagio quarries, Carrara region **18**:274
 - Carrara region (seligmannite-bourmonite; four-fold twins) **18**:274–275c,d
 - Fantiscritti quarry, Carrara region **18**:274–275p,q

Mexico

- Chihuahua
 - Naica (crystals to 25 mm) **14**:385n

- Zacatecas
Noche Buena mine (micro; id confirmed)
5:236q
- Peru**
Casapalca: 18:(368); crystals to 1 cm 5:38c,d
Herminia and Mercedes mines, Julcani district
5:218n, 5:219p
Huancavelica (crystals to 4 cm) 9:36n
La Oroya, Lima: 15:43p; locality corrected to
Quiruvilca, La Libertad 15:249
Pachapaqui mine, Ancash Dept. (some id as
seligmannite) 21:490
Puca Raju mine (sharp cogwheels) 21:250n
Quiruvilca 21:257n
- Romania**
Baia Mare (formerly Nagybánya), Maramureş
district 13:(371)
Maramureş district 13:371–374
- Serbia (formerly Yugoslavia)**
Trepča 4:60, 18:(368), 21:(250)
- Spain**
Hiendelaencina district, Guadalajara (fine crystals)
23:245
- United States**
Arizona
Cochise County, Bisbee district (unconfirmed)
12:(315)
Colorado
San Juan Mountains 10:358n
Idaho
Bunker Hill mine (masses, minute crystals)
12:341
Nevada
Little Gem mine, Lander County (cm-size
crystals) 22:383n
-
- BOUSSINGAULTITE**
- United States**
California
Coso Hot Springs, Inyo County 9:(113)
Geysers, The, Sonoma County (some chromian
and cuprian) 24:349p
-
- BRANDTITE**
- South Africa**
Cape Province
Wessels mine 22:480
- Sweden**
Harstig, Värmland 8:(517), 22:(49)
- United States**
New Jersey
Sterling Hill mine (clear needles, blades)
13:36
-
- BRANNERITE**
- Australia**
Queensland
Mt. Isa-Cloncurry district 19:(474)
- Austria**
Mitterberg mine, Hochkönig, Salzburg 17:(110)
- United States**
Colorado
Mt. Antero, Chaffee County (crystals to 1.5
cm) 23:47n
-
- BRANNOCKITE**
- United States**
North Carolina
Foote mine: 4:275p; formerly UK#7 4:138n
Lithium Corporation of America spodumene
mine, near Bessemer City 4:275
-
- BRASILIANITE**
- See Brazilianite*
-
- BRAUNITE**
- Mexico**
Nuevo Leon
Monterrey (north of) (micro crystals) 18:367n
- South Africa**
Cape Province
Black Rock mine: ferroan, “braunite-II”
9:151; 1.5 cm crystal 22:282p
Kalahari manganese field: 9:151; euhedral to
2 cm 22:282
- United States**
Arizona
Higgins mine, Bisbee district 12:294
White-Tailed Deer shaft, Bisbee: braunite-II
in braunite 24:428n; crystals to 2.5 cm
12:294–295
California
Palos Verdes Hills, Los Angeles County
(micro crystals) 4:290–293c,q,d
Michigan
Manganese mine, Keweenaw County 14:225,
23:M53
-
- “BRAVOITE”
- See Pyrite*
-
- BRAZIL**
- Note: For Lavra da/do ____, see ____ mine*
Allan Caplan, experiences in Brazil 11:351–360
Brazil: *Paradise of Gemstones* 15:311b
Diamond deposits 20:325–336m,p,g,h
Itatiaçu 20:394s
Lead-zinc localities 6:282–291
Martin Ehrmann expeditions to 25:357–360
São Felix do Xingu prospect, Amazon Basin
6:285s
- Bahia**
Açude Socêgo (Nôzinho), Anagé Township,
northwest of Vitória da Conquista 8:382m,
8:384
Agreste prospect 20:465–466m,s
Baixa da Brauna farm, east of Santa Rosa,
southwest of Brumado 8:382–383m,g
Bananeiras prospect 20:466m,s
Bom Jesus das Meiras (see Brumado)
Boquira mine, near Oliveira do Brejinho 6:282–
291m
Brejinho farm, southwest of Boa Nova, north-
east of Vitória da Conquista 8:382m, 8:384–
385
Brejo de Santa Tereza, near Paramirim 16:113n
Brumado (formerly Bom Jesus das Meiras):
9:196–205p,m,h,g, 10:55g, 13:33s, 14:173s,
15:177s, 18:244s, 19:115s, 19:209–210s,
19:335s, 20:394s, 21:256s, 23:276s, 23:432s,
23:497s, 24:384s, 25:215s; see also Brazil—
Bahia—Pedra Preta mine
Cachoeira 2:10s
Campo Formoso, near Carniaba emerald mine
11:316s
Capim Grosso 22:387s
Chapada Diamantina region 16:111g, 20:330m,
20:333
Coruja mine, southwest of Cordeiros 8:328m,
8:386–387
Cruzeiro open pit, Boquira mine, near Oliveira
do Brejinho 6:282–291m
Fazenda Recruta, northwest of Vitoria da Con-
quista 4:264–266m,p,g
Ibitiara 2:12s, 20:465–467m,s, 21:96–97s,
23:276s
Ibitiara iron mines 23:432s
Itabira 20:394s
Jaquetô (near), Medeiros Netos County 18:246s,
20:394s, 22:216s, 22:387s
Jatobá deposit, Brumado district 9:197–
199ff,m,h
Joanina mine, northeast of Joanina, west of
Vitória da Conquista 8:382m, 8:387
Lagedinho, south of Vitória da Conquista
8:382m, 8:384
- Medeiros Neto 24:385s
Morro do Chapéu prospect, southeast of Para-
mirim das Crioulas 16:111–113g,p
Nôzinho (see Açude Socêgo)
Pedra do Ferro prospect, Brumado district 9:201
Pedra Preta mine, north of Brumado 7:129–
130h,g, 9:196–199ff,p,m,h, 14:179–181
Pirajá deposit, Brumado district 9:197–
199ff,m,h, 9:202p
Pomba pit, Brumado 20:394s, 22:387s
Pombo farm, Anagé Township, northwest of
Vitória da Conquista 8:382m, 8:384
Praça São Paulo prospect, west of Pirajá de-
posit, Brumado district 9:203
Quartzo Róseo, southwest of Vitória da Con-
quista 8:382m, 8:385
San Anônio, Serra do Ramalho district 6:282m,
6:283s
Santa Rosa 11:317s
São Felix do Amianot mine, northwest of Poções
8:382m, 8:383
São Francisco prospect 20:466–467m,s
Serra das Eguas, Brumado 2:13s
Serra do Porco Gordo prospect, north-northeast
of Livramento do Brumado 16:113g
Serra do Ramalho district 6:282m, 6:283s
Serra Negra, Baixo 22:387s
Serro do Fogo do Caetano prospects 20:465–
467m,s
Sinacorá 20:328s
Socotó emerald deposit, northwest of Salvador
16:108g,h
Tapero do Rochedo, head of Córrego Tamboril,
east of Cordeiros 8:382m, 8:383–384
Teixeira de Freitas 23:280s, 24:230s
Vitória da Conquista area 8:382–387m,g, 11:14s
- Ceará**
Chapado do Araripe 6:282m, 6:287s
- Espirito Santo**
Itaguaçu 11:357–359h
Mimosa (near) 17:149–150s
Mimosa (Mimeso) do Sul 21:488s, 23:276h,
23:432s
Pancas 21:250–251s
Tancredo, Santa Teresa 2:10s
- Goias**
Alta Paraguai 20:335
Arenópolis 20:335
Diamantino 20:334
Mato Grosso 20:330m, 20:334–335
Nortelândia 20:335
Pôrto Maranhão 6:282m, 6:286s
Poxoreú 20:335
Santa Terra 18:433s
- Minas Gerais**
Água Boa 18:148s
Água Quente, Rio Pardo de Minas 2:12s
Alagadiço, Quilombo, northeast of Capelinha
5:225m, 5:226, 5:229g
Aldeia do Eme mine (see Zé Pinto prospect)
Almerindo mine, Linópolis 24:384–385s
Alto da Raposa, Vazante area, near Paracatu
6:284s, 6:290
Americana, Teófilo Otoni 2:10s
Antônio Machado farm, near Linópolis 14:230m,
14:236
Araçuaí area pegmatites 12:73–75g, 20:394s
Bahiano mine, near Linópolis 14:230m, 14:236
Baixo, Guandu 24:230s
Barra do Salinas 24:49s
Barra do Salinas, Coronel Murta 19:335s,
21:256s, 21:488s, 22:216s, 22:387s
Barreiro, Itinga 2:10s
Barro Preto, Fazenda Tabatinga, northeast of
São José do Jacuri 5:224m, 5:229g
Belo Horizonte (iron mine near) 24:384s,
24:385s

GENERAL INDEX

- Boa Esperança prospect, Divino das Laranjeiras **20**:187p,c
- Boa Vista (see Énio mine)
- Boca Rica **23**:497s
- Brazilianite mine, near Linópolis (see João Modesto dos Santos mine)
- Buenópolis **17**:339s, **18**:365s
- Cajiu mine, Almenara **19**:335s
- Camp de Timoteo, Cidade Jaguaraçu **13**:51s
- Campo do Boa, northwest of Capelinha, Capelinha County **5**:224–226h,m,g
- Campolina mine (Campolina farm), near Medina **18**:244s, **18**:365s
- Capelinha **2**:12s
- Capelinha-Malacacheta region (six localities) **5**:224–232m
- Casa de Pedra, Congonhas do Campo **2**:12s
- Caxambú mine, Rodrigo Silva, Ouro Preto region, Minas Gerais **2**:12s
- Cedro farm **6**:286
- Companhia Estanífera mine, Itinga **2**:10s
- Congonhas do Campo, Ouro Preto region **20**:160–161s
- Conselheiro Pena district **18**:148s, **18**:244s, **18**:245s, **21**:488s, **22**:387s, **24**:385s
- Corinto **19**:335s
- Coronel Murta (near) **17**:406s, **20**:394s
- Córrego Bom Sucesso, near Serro, east-north-east of Belo Horizonte **23**:471–474h,p,g
- Córrego do Urucum pegmatite, near Galiléia **4**:275–276, **7**:221, **17**:307–314m,g,h, **19**:335s, **22**:387s
- Córrego Frio mine and vicinity, Divino, near Linópolis **2**:12s, **2**:149h, **4**:113s, **4**:114s, **14**:227–237h,p,m,g, **17**:295s
- Córrego Indaiá, near Linópolis **14**:230m, **14**:236
- Córrego Setuba, Fazenda Honório Benedito, northwest of Malacacheta **5**:225m, **5**:231–232g
- Criminoso mine, near São Jose da Safira **10**:147–151h,s
- Cruzeiro district **22**:216s
- Cruzeiro mine, Santa Maria do Suaçui Township, Poaiá district **3**:65s, **11**:363–367, **11**:370g,p,m,h, **17**:151s, **18**:365s, **19**:335s, **22**:387s
- Cruzeiro quarry, São Jose da Safira **22**:387s
- Cuité, Figueiras **2**:12s
- Diamantina **2**:12s, **20**:330m, **20**:331–333
- Difficulties with locality names **1**:73, **1**:86
- Divina das Laranjeiras **19**:335s, **20**:187–188g
- Divino das Laranjeiras **24**:384s
- Divino de Ubá, Ubá **2**:12s
- Énio mine (Fazenda Boa Vista, Boa Vista, Fazenda Laranjeiras), northeast of Galiléia **12**:67–72mp,g,h
- Faustino Lopes mine, near Linópolis **14**:228m, **14**:236
- Fazenda Boa Vista (see Énio mine)
- Fazenda do Bananal, Salinas **2**:12s
- Fazenda do Funil pegmatite, north of Santa Maria do Itabira **11**:356–357h,p, **20**:354s
- Fazenda Gramiais, northwest of Rubilita **5**:225m, **5**:230–231g
- Fazenda Guariba, Presidente Kubitschek, Diamantina area **17**:191–195m,g,p, **25**:133–135s
- Fazenda Laranjaeiras (see Énio mine)
- Fazenda Modelo, Serro **2**:12s
- Fazenda Santa Elisa prospect (see Zé Pinto prospect)
- Fazenda Tabatinga, northeast of São José do Jacuri **5**:224m, **5**:229–230g
- Fernando quarry, Mimoso do Sul **22**:387s
- Ferros **2**:12s
- Figueira, Peçanha **2**:10s, **2**:11m
- Fortaleza (now Pedra Azul)
- Fundão City, Espírito Santo **25**:60s
- Furquim, Mariana **2**:12s
- Galiléia **20**:394s, **21**:253s, **24**:49s; unnamed pegmatite(s) near **9**:41g, **9**:316s
- Genipapo mine, Aracuai district **17**:151s, **19**:335s
- Geraldo Candinho mine, near Linópolis **14**:228m, **14**:236
- Germinal, São João del Rey **2**:12s
- Gilbués, Piauí **20**:335
- Golconda mine, near Governador Valadares **10**:9–10s, **10**:251, **18**:365s, **24**:49s, **24**:222s
- Gouveia **2**:12s, **21**:487s
- Governador Valadares (near) **18**:148s, **23**:432s
- Grão Mogol, Diamantina **20**:332–333p
- Grande mine, Itacarambi district **6**:286s, **6**:287s
- Guide to numerous localities **2**:10–13
- Hapecerica (near) **24**:49s
- Hermes mine, near Linópolis **14**:228m, **14**:236
- Ilha mine, Jequitinhonha River, near Taquaral: **4**:207–213p,g,m, **12**:74, **19**:120s, **20**:394s, **21**:413–414g, **21**:418–422g; pump story **23**:439–440h
- Imbiruçu, Diamantina area **17**:191s
- Inferior mine, near Linópolis (see João Modesto dos Santos mine)
- Invreja mine, Marambainha (near Marambaia) **17**:149–150s
- Ismael mine, Ouro Preto region **20**:222m, **20**:232s
- Itabira **9**:40s, **17**:339s, **22**:216s, **22**:387s
- Itacarambi area **6**:282–291m
- Itatiaia mine, east of Conselheiro Pena (see Jonas mine)
- Itinga **17**:151s, **19**:117s
- Jabuti mine, Baixo, Galiléia **9**:14–18h,s
- Jaguaraçu (Jaguaraçu) mine, near Jaguaraçu, east of Belo Horizonte **12**:181s, **12**:183s, **25**:165–170m,h,p,g
- Januaria area **6**:282–291m
- Jequitinhonha River, north of Taquaral **1**:12s
- João Belmiro farm, near Linópolis **14**:230m, **14**:236
- João Modesto dos Santos mine, near Linópolis **14**:230m, **14**:233
- Joel mine, Serra do Parela **6**:282s
- Jonas mine, Itatiaia district, east of Conselheiro Pena **9**:298–299h,s, **9**:317h, **9**:367–368s, **10**:33–34p,h, **10**:121h, **11**:317h, **12**:183s, **13**:51s,h, **16**:337–338h, **16**:344–345s, **19**:214s
- José da Silva prospect, near Rio Piauí bridge, Araçuai area **12**:74
- José Pinto mine (see Zé Pinto prospect)
- Jove Lauriano (Juvenil, Joveni, Joventino) mine, Divina das Laranjeiras, near Linópolis **14**:228m, **14**:235, **20**:187–188g
- Laranjeiras mine (pegmatite do Ademar), Taquaral district **11**:377–379m,g,h
- Lavrinha **20**:146s
- Limoeiro (Limoeiro de Baixo) mine, near Virgem da Lapa **7**:41h, **13**:23–24g
- Linópolis: **10**:179–180s, **11**:317s, **12**:183s, **19**:335s, **20**:394s, **21**:253s, **21**:488s, **23**:432s, **25**:60s; see also Brazil—Minas Gerais—Córrego Frio mine
- Localities not specified **20**:187s, **20**:330m, **20**:331–334, **20**:335s
- Mãe dos Homes, Capelinha **2**:12s
- Macaubas farm **6**:282m, **6**:287s
- Malacacheta (near), Malacacheta County **13**:181s, **15**:166s, **21**:253s, **21**:488s
- Mantena, Galiléia **19**:210s, **21**:488s, **24**:311s
- Marilac, north of Governador Valadares **10**:251, **12**:389s
- Matagrande farm, near Belo Horizonte **6**:282m, **6**:286s
- Mina Chia, near Linópolis **22**:217s
- Minas Novas **17**:207s
- Marambaia mine **7**:215–216s
- Miudos mine, Curralinho, Diamantina area **17**:191s
- Montezuma mine, Tabua farm, Rio Pardo de Minas Township **8**:382m, **8**:385–386
- Moraes mine, Boa Vista, Ouro Preto region, Minas Gerais **2**:12s
- Morro Agudo pegmatite, São Miguel de Piracicaba deposit, east of Belo Horizonte **16**:107–108h,g
- Morro da Mina, Conselheiro Lafaiete **2**:12s
- Morro da Pinguieira, Serra do Parela **6**:284s
- Morro do Bule prospect, near Capão da Lana **6**:281–290
- Morro do Caxambu mine, Ouro Preto region **20**:232s
- Morro do Cruzeiro mine, near Linópolis (see Pamaró mine)
- Morro do Velasco, Vazante area, near Paracatu **6**:284s
- Morro Redondo, Coronel Murta **23**:85s
- Morro Redondo mine, near Virgem da Lapa **7**:41h
- Morro Velho mine, south of Belo Horizonte, Nova Lima **2**:10s, **4**:224–229h,g, **13**:51s, **15**:166s, **17**:138–140s, **19**:199–200s
- Natino mine, near Governador Valadares **17**:151s
- Olho D'água mine, Itinga **2**:10s, **2**:12s
- Ouro Preto district **2**:12s, **15**:43s, **20**:221–233m,p,g,h
- Padre Paraíso **23**:432s
- Padre Piedade **22**:387s
- Paiolinho, Tapira **2**:10s
- Palmital, near Conselheiro Pena (aquamarine) **11**:359h
- Pamaró (Pamarol, Pamaroli, Morro do Cruzeiro) mine, near Linópolis **14**:228m, **14**:234–235
- Pará **20**:335
- Paraná **20**:335
- Pederneira, Governador Valadares **25**:50s
- Pederneira mine **24**:49s, **24**:384s
- Pederneira mine, Município de Agua Boa **17**:406s
- Pederneira mine, Santa Maria do Suaçui **22**:387s
- Pedra Alta mine, Baxio **21**:487s
- Pedra Alta mine, Conselheiro Pena **19**:335s, **20**:394s
- Pedra Azul (formerly Fortaleza) **11**:353h
- Pedra Redonda **19**:335s, **20**:394s
- Pedreira Atalaia, Pico do Ibituruna **22**:217s
- Pegmatite do Ademar (see Laranjeiras mine)
- Pica Pau beryl deposit, south-southeast of Padre Paraíso **16**:109g
- Pitorra mine, Sierra da Piorra range, east of Galiléia **21**:97s, **21**:256s, **21**:409–412m,h,g
- Portão mine, near Linópolis **14**:222m, **14**:236
- Presidente Bueno, Rio Doce valley **2**:12s
- Pro-Beryl mine, Sapucaia, Conselheiro Pena **2**:10s, **2**:12s
- Quilombo, northeast of Capelinha **5**:225m, **5**:226, **5**:229g
- Regal mine, near Araçuai **21**:97s
- Resplendor **20**:69s, **20**:394s, **21**:97s, **21**:253s, **21**:487s, **24**:49s, **24**:395s
- Riacho das Varas, Diamantina area **17**:191s
- Rio Cipó, Diamantina area **17**:191s
- Roraima **20**:335
- Sabinópolis **19**:335s
- Sacramento **2**:12s
- Salinas **19**:335s
- Sandspar's mines, Taquaral, Itinga **2**:10s
- San José de Safira **24**:49s
- San Miguel de Piracicaba **11**:317s
- Santa Maria, Cruzeiro Novo **2**:20s
- Santa Maria do Itabira mine, Santa Maria do Itabira City **23**:432s, **25**:381s
- Santa Quitéria, Diamantina area **17**:191s
- Santa Rosa area **17**:150s, **18**:365s

- Santa Rosa mine **12:189h, 20:237s**
 Santo do Encoberto, São Sebastião do Maranhão County **5:226g**
 São Jose da Safira **22:387s**
 São Miguel de Piracicaba deposit, east of Belo Horizonte **2:12s, 16:107–108h,g**
 São Pedro mine, near Suaçui, Malacacheta district, near Teófilo Otoni **24:49s**
 Sapucaia mine, Sapucaia, near Divino das Laregeiras, Governador Valadares **2:149–150h, 4:108g, 4:113s, 4:121s, 4:122s, 14:174s, 18:365s, 21:97h**
 Sebastião Cristino mine, near Linópolis **14:228m, 14:235–236**
 Serra do Ouro Podre, Vazante area, near Paracatu **6:282–291m**
 Serra do Parelá **6:282–291m**
 Serra do Urucum mine, Galiléia **2:10s**
 Serro **19:335s, 23:432s**
 Sete Voltas, Fazenda Tabatinga, northeast of São José do Jacuri **5:224m, 5:230g**
 Sketch map of pegmatite region **2:11m**
 Talho Aberto pegmatite, São Miguel de Piracicaba deposit, east of Belo Horizonte **16:107–108h,g**
 Tapira **2:12s**
 Taquaral, Itinga **2:12s, 3:14h,s, 4:116s, 5:4s, 8:517s, 11:29s, 17:151s, 24:49s**
 Taveres quarry, near Linópolis **22:387s**
 Tejuca mine, Diamantina **2:12s**
 Telfrio mine, near Linópolis **14:228m, 14:233–234**
 Teófilo Otoni **2:10s, 2:11m**
 Tim mine (see Córrego do Urucum)
 Toca da Onça mine, near Virgem da Lapa **13:25**
 Tres Barras **7:216s**
 Triângulo Mineiro, Diamantina **20:333–334**
 Trino mine, Rodrigo Silva, Ouro Preto region, Minas Gerais **2:12s**
 Urubu pegmatite, near Araçuaí **12:73–77m,p,g, 20:188**
 Urucum pegmatite (see Córrego do Urucum)
 Urupuca quarry, Governador Valadares **1:86h, 2:12s**
 Vazante mine, near Paracatu **6:282–291m**
 Velha mine, Riacho Genipapo area, near Araçuaí **12:74**
 Virgem da Lapa pegmatites, west-northwest of Virgem da Lapa **6:250h, 7:41h, 7:130h, 7:309, 8:59s, 8:391s, 9:37–38s, 10:8–9s, 13:19–28h,g,m,p, 17:295s, 18:365s**
 Xanda mine, near Virgem da Lapa **7:41h, 13:21–22m,p, 13:24–25g**
 Zé Bento mine (see João Modesto dos Santos mine)
 Zé Berto mine, near Linópolis **14:222m, 14:236**
 Zé Pinto prospect (Jose Pinto mine, Aldeia do Eme mine, Fazenda Santa Elisa prospect), near Governador Valadares, Conselheiro Pena **21:253s, 21:405–408m,h,g**
- Paraíba**
 Alto Benedito pegmatite, northwest of Picuí **22:183–185h,g**
 Alto Bernardino, northwest of Picuí **12:379s**
 Batalha mine, northwest of Salgadinho, near São José da Batalha **22:217h**
 Campina Grande (near) **21:488s**
 Frei Martinho, north of Picuí **22:387s**
 João Pessoa **22:387s, 23:276s**
 Serra Branca, south of Pedra Lavrada **22:387s**
 Serrote Redondo, south of Pedra Lavrada **22:387s, 23:433s**
- Paraná**
 Bassetti prospect, Rocha mine, Ribeira Valley **6:282–291m**
 Locality not specified **20:335**
 Panelas mine, near Adrianópolis, Ribeira Valley **6:282–291m**
- Piauí**
 Pedro II **2:12s**
 Ribeira Valley (border between São Paulo and Paraná) **6:282–291m**
- Rio de Janeiro**
 Countagarlo **22:387**
 Rio Das Ostras **20:439–440p,m**
- Rio Grande do Norte**
 Alto Santino, near Ecuador **7:165**
 Boqueirãozinho pegmatite (see Capoeira pegmatite)
 Capoeira (Boqueirãozinho) pegmatite, east of Parelhas **21:488s**
 Carnaúba dos Dantas **24:385s**
 Serra Branca **22:387s**
- Rio Grande do Sul**
 Amethyst geodes, enormous **23:282**
 Amethyst mines, unspecified **18:408s**
 Irai **25:60**
 Locality not specified **20:394s**
 Planalto **21:488s**
- Santa Catarina**
 Ribeirão da Prata **6:282m, 6:283s**
 Santa Lages (south of) **2:13**
- São Paulo**
 Furnas mine, Ribeira Valley **6:282–291m**
 Itapirapuá prospect **6:282m, 6:288s**
 Jacupiranga mine **12:185s, 13:44s, 15:261–270h,g,p,m, 16:148s, 23:433s**
 Lageado district, Ribeira Valley **6:286s, 6:290**
 Locality not specified **20:335**
 Lourenço Velho, Ribeira Valley **6:282–291m**
 Perus district **19:249s**
 Santana Nova prospect, near Lageado, Ribeira Valley **6:282–291m**
- BRAZILIANITE**
 Correct spelling **14:230h**
 In pegmatite environments **4:124–125**
 Numerous world localities **4:120**
- Austria**
 Millstätter Seenrücken, Carinthia **17:(110)**
- Brazil**
 Minas Gerais **2:10n**
 Baixo, Guandu **24:225p, 24:230n**
 Córrego Frio mine, near Linópolis (4 cm crystals) **14:228p, 14:229–230h, 14:232–233c,d**
 Galiléia (to 7 cm) **24:384n**
 Geraldo Candinho mine, near Linópolis (vugs of crystals to 1 cm) **14:236**
 Hermes mine, near Linópolis (aggregates to 40 kg; micro crystals) **14:236**
 João Modesto dos Santos mine, near Linópolis **14:233**
 Jove Lauriano mine, near Linópolis **14:(235)**
 Linópolis (near) (7 additional minor localities listed) **14:236**
 Sebastião Cristino mine, near Linópolis (20 cm masses, 1 cm crystals) **14:235–236**
 Telfrio mine, near Linópolis **14:234**
- Canada**
 Yukon
 Rapid Creek (vs. augelite; 1 cm crystals) **23:Y18–19c,p,d**
- United States**
 Maine
 Bell pit **6:203n**
 Mt. Mica **16:(372)**
 New Hampshire
 G. E. Smith quarry, Sullivan County **4:125**
 Palermo mine **4:125, 5:277h**
- BREITHAUPHITE**
- Canada**
 Ontario
 Silver Islet mine **17:(59)**
- BRENKITE**
- Germany**
 Rheinland Pfalz
 Schellkopf quarry, Eifel district **10:92p**
- BREWSTERITE**
- Canada**
 British Columbia
 Yellow Lake area, near Olalla **15:93**
- Scotland**
 Highland
 Strontian **21:(492)**
- United States**
 New York
 Gouverneur Talc Co. #4 quarry, Lewis County (Ba-analog; crystals to 3 mm) **24:383n**
- BRIARTITE**
- Namibia**
 Tsumeb (massive) **8:T20**
- Zaire**
 Prince Leopold mine, Shaba **8:(517)**
- BRITHOLITE-(Ce), -(Y)**
- Canada**
 Québec
 Mt. St-Hilaire: **2:269, 2:271q; britholite-(Ce), minute sprays 21:299p; "lessingite" 2:142**
- BRITISH COLUMBIA**
 Afton mine, near Kamloops **22:384s,h**
 Ajax pit, near Kamloops **22:384s**
 Aley carbonatite, east of Williston Lake **18:362s**
 Alice Arm **8:517s**
 Ash Mountain, Tuya Range **24:385**
 Beaverdell (near) **23:428s**
 Beaver group, Beaver Mountain, east of New Denver **2:208–209**
 Betty group, on Betty Glacier, north of Divide Lake **15:90m, 15:91, 15:92p**
 Bluebell mine, Riondel, Kootenai Lake **8:33–36m,h,g**
 Bralorne mine, near Goldbridge **21:485s,h**
 Chase Creek, Falkland **21:485s**
 Comet group, near Hazelton **2:204–205**
 Courtenay (near) **22:384s**
 Criss Creek, near Savona **8:517s**
 Diorite group, near Terrace **2:206**
 Engineer mine, Tagish Lake, near Atlin **24:385h,s**
 Francois Lake **3:37s**
 Glacier Gulch (South Side group), north of Smithers **2:204h, 15:90m**
 Good Hope group, northeast of Hedley **2:207**
 Gowland Harbor (prospects near), Quadra Island, near Vancouver Island **15:89, 15:90m**
 Grotto group, near Terrace **2:206**
 Highland Bell mine, east of Beaverdell **2:208, 20:441–446m,p,g,h**
 Hope (near) **11:14s**
 Ice River complex, near Golden **14:50s, 20:391s**
 Ice River complex, south of Field **12:221–226h,m,g,p**
 Johnson's Crossing (north of) **23:428s**
 Kamloops Lake **3:233–234s, 14:367–368s**
 Lead King group, Nine Mile Mountain, near Hazelton **2:205**
 Lime Creek stock, Alice Arm **1:136s**
 Manitou mine, northwest of Lillooet **2:207s**
 McBride (marble quarry near) **18:362n**
 Menzies Bay, Vancouver Island **15:89, 15:90m**
 Monte Creek, Kamloops district **19:333s**
 Monte Lake (near) **23:428s**

GENERAL INDEX

- Mt. Brussilhof (Brussilof) mine, near Radium **24:385s, 25:214s**
- Mt. Washington copper mine, near Courtenay, Vancouver Island **15:89–90m**
- Oxide claim, south of Ymer **2:208**
- Rare sulfosalt localities **2:203–209**
- Red Rose mine, south of Hazelton **2:205**
- River's Inlet mine, River's Inlet **23:428s**
- Rocher Déboulé mine, Rocher Déboulé Mountain, south of Hazelton **2:205, 15:90m–91p**
- Rock Candy mine, near Grand Forks **12:99–101h,g,m,p, 19:333h, 23:428h**
- Silver Standard mine, north of Hazelton **2:204**
- Society Girl claim, east of Moyie **2:208s, 15:90m, 15:93**
- South Side group (see Glacier Gulch)
- Spatsum claim, south of Cache Creek **15:90m, 15:92**
- Sunrise group, Nine Mile Mountain, near Hazelton **2:205**
- Tungsten Queen mine, northwest of Lillooet **2:207**
- Van Silver deposit, across Howe Sound from Whistler Mountain **18:362s**
- Whiskey Creek group, southwest of Hazelton **2:205–206**
- White Elephant group, southwest of Vernon **2:207–208**
- Willett mine, south of Lardeau **15:90m, 15:92–93**
- Yellow Lake area, near Olalla **15:90m, 15:92–93, 20:391s**
-
- BROCHANTITE**
- Australia**
- New South Wales
- Broken Hill **7:31n**
- Kintore opencut, Broken Hill **19:429**
- Queensland
- Mt. Oxide mine **19:485**
- South Australia
- Pinnacles mine, Flinders Range **15:110p**
- Western Australia
- Ashburton Downs (crystals) **24:209p**
- Brazil**
- Bahia
- Boquirá mine, near Oliveira do Brejinho (efflorescent crusts) **6:283**
- Minas Gerais
- Jove Lauriano prospect, Divina das Laranjeiras **20:(189)**
- Vazante mine (crusts) **6:283**
- Canada**
- British Columbia
- Betty group, Betty Glacier, north of Divide Lake **15:(91)**
- Rocher Déboulé mine, near Hazelton **15:(91)**
- Spatsum claim, near Cache Creek **15:92n**
- Northwest Territories
- Nanisivik mine **21:(533)**
- Québec
- Evans-Lou pegmatite (crust) **3:72**
- Mt. St-Hilaire (reddish) **24:388n**
- Chile**
- Chuquicamata (most id as antlerite) **9:328**
- Miná la Verde, Copiapó district **9:134**
- Portrerillos (needles) **10:123**
- England**
- Cornwall
- Botallack district **24:279n**
- Derby
- Ball Eye quarry, Bosnall **14:(23)**
- Snelston **14:(23)**
- Shropshire
- Ladywell mine, Shelve **13:167**
- France**
- Gard
- Val Croze **23:434n**
- Germany**
- Rheinland-Pfalz
- Ems district **15:333**
- Friedrichslegen mine **15:341p**
- Greece**
- Kamaréza mine, Laurium (blue colloform) **7:123n**
- Italy**
- Sardinia
- Sa Duchessa mine **15:(372)**
- Kazakhstan (formerly USSR)**
- Dzhezkasgan **23:(495)**
- Mexico**
- Chihuahua
- Los Lamentos **11:284**
- Morocco**
- Bou Becker **18:160n**
- Touissit (6 mm, terminated) **17:341n**
- Namibia**
- Tsumeb (velvety; crystals to 13 mm) **8:T20, 8:T84p**
- New Zealand**
- Maharaha mine, North Island (with langite) **17:202n**
- Scotland**
- Strathclyde
- Scar Vein, Leadhills **13:170q**
- Strathclyde/Dumfries and Galloway
- Leadhills-Wanlockhead district **12:(250)**
- Spain**
- Sierra de Prades, Tarragona **25:(222)**
- Switzerland**
- Cavradi-Schlucht, Graubünden (after chalcocite or stromeyerite) **18:432n**
- United States**
- Arizona
- Bisbee district **12:295**
- Czar shaft, Bisbee district (spongy aggregates) **12:295**
- Grand Reef mine, Graham County **11:223**
- Grandview mine, Coconino County (acicular, prismatic) **2:218p, 2:221q**
- Holbrook shaft, Bisbee district (5 mm prismatic) **12:295**
- Irish Mag shaft, Bisbee district (1 cm prismatic) **12:295**
- Lavender pit, Bisbee district (acicular, prismatic) **12:295**
- Magma mine **14:(82)**
- Mammoth mine, Pinal County **11:172**
- New Cornelia mine, Pima County **14:294**
- Nugget Fraction mine, Pinal County **15:(43)**
- Ray mine, Pinal County (coating; poss. antlerite) **14:318**
- 79 mine **3:253**
- Shattuck shaft, Bisbee district: malachite after, to 7 cm **12:308**; 7.5 cm crystals **12:295d**
- Silver Hill mine, Pima County **19:(312)**
- Southwest mine, Bisbee district (spheres of prismatic) **12:295**
- Tonopah-Belmont mine, Maricopa County **19:141p, 19:142**
- Uncle Sam shaft, Bisbee district (sand) **12:295**
- California
- Blue Bell mine, San Bernardino County **8:495**
- Hale Creek mine, Trinity County **19:(128)**
- Lucky Lucy mine, Inyo County **15:13n**
- Zinc Hill mine, Inyo County: **15:13n**; acicular, prismatic **6:112**
- Idaho
- Bunker Hill mine **12:342**
- Massachusetts
- Loudville mines, Hampshire County **6:297n**
- Michigan
- Clark mine, Keweenaw County **23:M53n**
- Nevada
- Majuba Hill mine: **16:63**; acicular to 1 mm; efflorescences **24:176**; spheres **16:65p**
- New Jersey
- Chimney Rock quarry, Somerset County (coatings) **9:30**
- Sterling mine (micro) **25:98–99p**
- New Mexico
- Blanchard claims, Socorro County: **20:38p**; "blanchardite" id as **3:229–230**
- Hansonburg district, Socorro County **20:36**
- Mex-Tex mine, Socorro County (linarite on) **20:42p**
- Oklahoma
- Paoli (southeast of), Garvin County **17:371–373p**
- Pennsylvania
- Phoenixville **20:378**
- Utah
- Gold Hill mine **24:19p, 24:20**
-
- BROCKITE**
- Canada**
- Québec
- Mt. St-Hilaire: **2:269, 2:270q**; micro crystals **2:142**; powdery masses **21:299–300**
-
- BROMARGYRITE**
- Australia**
- New South Wales
- Kintore opencut, Broken Hill **19:429**
- Chile**
- Chañarcillo (some iodine, mercuroan) **10:202–203n**
- Germany**
- Rheinland-Pfalz
- Ems district (waxy yellow-green crusts) **15:334**
- Mexico**
- Chihuahua
- Batopilas district **17:(79)**
- Spain**
- Hiendelaencina district, Guadalajara (massive) **23:245**
- La Suerte mine, Guadalajara (minute crystals) **23:245**
- United States**
- Arizona
- Cole shaft, Bisbee district (2 mm euhedral) **12:295**
- Shattuck shaft, Bisbee district (replacing silver) **12:295**
- Tombstone district, Cochise County **11:253**
-
- BROOKITE**
- Monaco postage stamp illustration **23:446, 24:401**
- Original description; first named "jurinite" **24:400h**
- Australia**
- New South Wales
- 25 North mine, Kingsgate mines **16:281c,d,p**
- Austria**
- Frossnitzalpe, East Tyrol **20:483**
- Grieswies area, Salzburg **13:173n**
- Lohninger quarry, south of Rauris, Salzburg **13:172p**
- Vorderen Eichamspitze, East Tyrol (7 cm crystals) **17:106n**
- Canada**
- Québec
- Mt. St-Hilaire: **13:(243)**; euhedral to 5 mm **21:300p**
- Poudrette quarry (pseudo-octahedral) **23:90p**
- Sherbrooke **20:219**
- England**
- Cumbria
- Pink quarry, Shap Fell (3 mm blades) **21:492n**
- Italy**
- Liguria
- Monte Brigaceto, near Genoa (2 cm orange crystals with anatase) **15:41**
- Tuscany
- Crestola Bassa quarries, Carrara region **18:283**
- Grotta del Guerrino, Elba **16:(358)**

GENERAL INDEX

- Norway**
Hardangervidda **18**:368n
Matskorhae, Hordaland (crystals to 5 mm) **8**:270
- Russia (formerly USSR)**
Perm, Ural Mountains (tabular to 3 cm) **23**:494n
Sarnapaul, Ural Mountains **24**:389n
- Switzerland**
Glarus (locality not disclosed) (2 mm blades) **6**:305p
La Bianca, Grisons (micro prismatic) **6**:309p
- United States**
Arizona
New Cornelia mine, Pima County (minor) **14**:294
Arkansas
Rutherford deposit, Magnet Cove **20**:(387)
Colorado
Indiana and Topeka-Kentucky Giant veins, Ouray County (minute tabular) **25**:372–374p
Lot mine, Gunnison County **25**:373n
Silver Link mine, Ouray County **25**:373n
Maine
Consolidated #2 quarry, Sagadahoc County (micro) **24**:383n
Massachusetts
Chester emery mines **9**:236, **9**:238
Nevada
Majuba Hill mine: **16**:62; minute crystals **24**:176
New Jersey
Buckwheat open pit, Franklin (micro euhe-dral) **14**:186p
New York
Ellenville, Ulster County **2**:181n
Vermont
Putney (north of), Windham County (micro) **22**:384n
Wisconsin
Rib Mountain, Marathon County **12**:95
- Wales**
Gwynedd
Prenteg: **20**:395; clear brown tabular to 3 cm **23**:395p, **23**:396d,c
-
- BRUCITE**
Brazil
São Paulo
Jacupiranga mine **15**:264
- Russia (formerly USSR)**
Asbest, Ekaterinburg, Central Urals (clear crystals to 5 cm) **24**:389n
- South Africa**
Cape Province
Kalahari manganese field (crystals to 3 cm) **22**:283
Transvaal
Palabora Open Pit **19**:203n
- Turkey**
Kop Dağları, near Erzerum (rosettes) **8**:403
Kop Krom mine, west of Erzerum: hydromagne-site after **9**:284–285, **9**:287p; rosettes to 3 mm **9**:284, **9**:286p
- United States**
Arizona
Czar shaft, Bisbee district (minute tabular) **12**:295
- California
Jensen quarry, Riverside County (after peri-
clase) **15**:280, **15**:287n
Kalkar quarry, Santa Cruz County (micro
grains) **17**:321
- Colorado
Italian Mountain area, Gunnison County
15:86n
- Michigan
Isle Royale and Kearsage lodes, Keweenaw
Peninsula (massive) **23**:M53
- Nevada
Gabbs (near), Nye County **12**:394
- New Jersey
Sterling mine (minute flakes) **25**:99
- Pennsylvania
Cedar Hill quarry, Lancaster County (“lan-
casterite”) **2**:40
Texas, Lancaster County (crystals) **1**:(84)
Wood’s mine, Lancaster County: “lancaster-
ite” **2**:39–40; pale green rosette **8**:39p
- Pennsylvania/Maryland
Line pit, State Line district **12**:154
-
- BRÜGGENITE**
Chile
Pampa Pique III, Oficina Lautare **3**:6h,q
-
- BRUGNATELLITE**
Canada
Ontario
York River tactite zone, near Bancroft (foli-
ated, after brucite nodules) **13**:227–228
- Italy**
Lombardy
Val Malenco **3**:123
-
- BRUNOGEIERITE**
Namibia
Tsumeb: **9**:44n; thin coatings **8**:T21n, **8**:T75p
-
- BRUSHITE**
Australia
Western Australia
Moorba Cave, Jurien Bay **9**:(113)
- Canada**
Yukon
Rapid Creek (minute sprays) **23**:Y37
- England**
Cornwall
Wheal Cock, near St. Just **24**:279
-
- BUCHWALDITE**
Cape York meteorite (announced; minute grains)
9:254h,q
-
- BULFONTEINITE**
South Africa
Cape Province
N’Chwaning mine **18**:(368), **22**:283h,p
-
- BULGARIA**
Chelopech **13**:396s
Kyustendil **22**:459s
Madan orefield, near Madan: **22**:439–445h,m,p,g,
24:230s, **25**:61s; list of 35 mines **22**:441
Ninth of September mine, Madan orefield **18**:147s,
20:69s, **20**:299s, **20**:394s, **21**:257s, **22**:459s
Novoseltsi **23**:433s
Ossikovo **25**:140s
-
- BURBANKITE**
Canada
Québec
Mt. St-Hilaire: **10**:103–104; prismatic to 2
cm **21**:300–301p,d,m; some id as remon-
dite-Ce **23**:429
- Greenland**
Grønnedal-Ika complex (grains) **24**:G47n
Qaqarsuk complex (minute crystals) **24**:G48
-
- BURCKHARDTITE**
Mexico
Moctezuma mine (announced) **10**:301h,q
-
- BURKEITE**
United States
California
Searles Lake (crystals, twins to 4 mm) **6**:74p,
6:76c
-
- BURMA**
See Myanmar Republic
-
- BUSTAMITE**
Australia
New South Wales
Broken Hill **7**:28
- South Africa**
Cape Province
N’Chwaning II mine (massive) **22**:283
-
- BUTLERITE**
Chile
Chuquicamata **9**:329
-
- BÜTSCHLIITE**
Canada
Ontario
Two localities **2**:200
- United States**
Virginia
Long Shop (near), Montgomery County
(clinkers from burned dead tree) **2**:130–
132h,q
-
- BUTTGENBACHITE**
United States
Michigan
Centennial #1 & #2 mines, Houghton County
(post-mining) **23**:M53
- Zaire (formerly Belgian Congo)**
Likasi mine **9**:(113)
-
- “**BYSSOLITE**”
See also Actinolite
Defined **2**:100
-
- BYSTRITE**
Russia (formerly USSR)
Kola Peninsula **24**:(389)
-
- “**BYTOWNITE**”
See also Plagioclase Series
History **13**:101–105h,q
- Canada**
Ontario
Ottawa **13**:101–105h