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“SAPPHIRE”

See Corundum

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“SAZYKINAITE”

Species status uncertain

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See also names of individual species

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“SCHAPBACHITE”

High-temperature polymorph of matildite

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- Glencrieff mine (New Glencrieff vein and shaft), Wanlockhead **12**:236–239h,p, **12**:240m
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- Wanlockhead **12**:235–250h,m,p,g, **14**:23s, **25**:46s
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- The Storr, Isle of Skye **20**:395s
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- Glengonnar mine, Leadhills **12**:240m, **12**:242s
- Leadhills **12**:235–250h,m,p,g, **15**:147s
- Leadhills-Wanlockhead district, Strathclyde-Dumfries and Galloway **12**:235–250h,m,p,g, **13**:362s
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- Muirshiel mine, Lochwinnoch **22**:390s
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- Ontario
 - Langis mine, Cobalt-Gowganda district **15:(39)**

China

- Szechuan **15:(39)**

Germany

- Bavaria
 - Münchsberg massif **15:(38)**

Norway

- Raipas district, Finnmark **15:(38)**

Poland

- Lower Silesia **15:(38)**

South Africa

- Transvaal
 - Messina district **15:(38)**

Sweden

- Brestovskog **15:38n**

Switzerland

- Alp-Taspegn, Graubünden **15:38n**

United States

- Missouri
 - Buick mine, Reynolds County: **15:37–39c,p,d**; crystals to 4 mm **22:216**
 - Fredericktown district, Madison County (nickel-rich) **15:39n**
 - LaMotte mine, Vibernum Trend: crystals **15:250**; grains **15:37**
 - Miliken mine, Vibernum Trend **22:383s**
 - St. Joe mine, Saint Francois County (crystals) **15:250**
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 - West Fork mine, Vibernum Trend **22:383s**

Wales

- Midglamorgan
 - Gelli colliery, Llantrisant (octahedral to 3 mm) **21:492n**

Zaire

- Shinkolobwe district: **20:276**; selenian **15:(38)**

SIELECKIITE

Australia

- Queensland
 - Mt. Oxide mine **19:486, 24:49n**

"SILBERKIES"

- Prob. = argentopyrite and/or sternbergite **5:4**

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Canada

- Québec
 - Poudrette quarry (formerly UK #81) **22:386n**

SILLIMINITE

Sri Lanka

- Embilipidya (gemmy, terminated) **17:341n**
- Locality not specified **25:57n**
- Rakwana-Deniyaya (gemmy prismatic to 1.8 cm) **24:229p, 24:230**
- Ratnapura (gem quality) **19:338n**

SILVER

- Auriferous, vs. electrum; "küstelite" **13:398**
- In antiquity **17:4–5h**
- 1994 Tucson show theme: exhibits **25:219–221p**; symposium abstracts **25:69–76**
- Smelted by forest fire **17:4–5h**
- Special issue **17:#1**
- Theme of 1992 Denver Show **24:45**

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- New South Wales
 - Broken Hill: **12:110n, 19:424n**; "Turtle" nugget **19:420**; wire **7:29**
 - Eleura (Alura) mine, Cobar: **20:236**; arborescent **18:365n**
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 - Mt. Bonnie mine **19:444**
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 - O'Brien's Soak **19:(474)**
 - Silver Phantom deposit **19:(474)**
- Tasmania
 - Magnet mine **19:(383)**
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- Oruro (2 localities) **6:132**

Brazil

- Ribeira Valley (small dendritic) **6:287n**

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 - Highland Bell mine, Beaverdell **20:441–446p,c**
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 - Contact Lake mine **20:204**
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 - El Bonanza mine: **20:204–206p**; reticulated cubic **12:183n**
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- Keeley mine, near Cobalt Lake (wires) **13:109p**
- Silver Islet mine (heavy wires) **17:54–55p**
- Silversides mine, Cobalt (leaf) **18:363n**

Yukon

- Lucky Queen mine, near Kino Hill (crystal-line, in ice) **22:386n**

Chile

- Chañarcillo: arborescent, wires **10:200–201p**; 2700kg mass **10:198**

Czech Republic (formerly Czechoslovakia)

- Kuber Schacht (with and/or after dyscrasite) **19:335–336**
- Přibram (wire) **18:159**
- St. Joachimstal (Jáchymov) **17:15–16h,c**
- Třebosko deposit (T-1 vein) (wires to 3 cm; inclusions in arsenides) **22:210–211p,q**

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- Cornwall
 - Botallack district **24:(281)**
- Derby
 - Ible, near Matlock **14:(16)**

France

- Rabéjac quarry, Hérault (minute leaves) **23:433n**
- St. Marie-aux-Mines area, Haute-Rhin **17:6n, 17:276h**

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Baden-Württemberg

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- Gottesehre mine, St. Blasien **17:(6)**
- Reinerzau, Wittichen district: **17:6**; arborescent **17:9p**
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- Weisser Hirsch mine, Schneeberg (40 cm crystals) **17:14n**

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"SODA NITER"

See *Nitratine*

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Mohawk mine, Esmeralda County (micro crystals) **3**:83–84q,p

SORBYITE

Canada

Ontario

Madoc (near) **13**:97q, **13**:98p

Taylor farm, near Madoc **13**:(80)

SORENSENITE

Greenland

Ilímaussaq: **8**:(390); subhedral **22**:48n

Kvanebjerg area (tabular to 10 cm) **24**:G23h, **24**:G24p

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Aggenys **20**:398s

Geological Survey museum **18**:189–193h

Gold-mining history **23**:209–228h,m,g,p

Merensky Reef, Bushveld Complex **18**:193s

Cape Province

Adams mine, Kalahari manganese field **9**:137ff, **22**:280–281m,h

Avontuur basin, just north of the Kalahari manganese field **22**:284s, **22**:288s

Black Rock mine, Kalahari manganese field **9**:137ff, **20**:300s, **22**:280–281m,g

Cradock **23**:213g

Devon mine, Kalahari manganese field **9**:137ff, **22**:280–281m,g,h

Gloria mine, Kalahari manganese field **22**:280–281m,h

Gold occurrences, numerous minor **23**:213

Gough gold field (see Prince Albert)

Hotazel **8**:390s

Hotazel mine, near Kuruman, Kalahari manganese field **9**:137ff, **18**:193s, **22**:280–281m,h

Jan Coetzee mine **24**:39–40h,g

Kalahari manganese field: **9**:137–153h,p,m,g, **22**:279–297g,h,m; labeling recommendations **9**:152–153; see also individual mines

Kimberly **14**:365s

Knysna **23**:213h

Kuruman (near) **14**:387s

Langdon mine, Kalahari manganese field **9**:137ff, **22**:280–281m,g,h

Leinster basin, just north of the Kalahari manganese field **22**:284s, **22**:288s

Mamatwan mine, Kalahari manganese field **9**:137ff, **22**:280–281m,g

Middelplaats mine, Kalahari manganese field **22**:280–281m,h

Millwood, north of Knysna **23**:213h

Nababeep West mine **18**:193s

N'Chwaning mines, Black Rock district, near Kuruman, Kalahari manganese field: **8**:284, **9**:137ff, **11**:30s, **12**:180s, **15**:45s, **16**:148s, **18**:190s, **18**:409s, **19**:113–114s, **19**:121s, **19**:201–202s, **19**:269s, **19**:272s, **19**:338s, **20**:145s, **20**:154–155s, **23**:277s, **23**:436s, **25**:218s; see also South Africa—Cape Province—N'Chwaning #1 and #2 mines

N'Chwaning #1 mine, Kalahari manganese field: **22**:280m,h; flooded, closed **23**:85h

N'Chwaning #2 mine, near Kuruman, Kalahari manganese field **18**:431s, **22**:280–281m,g, **22**:393s

N'Dorabees, Namaqualand **22**:393s

Olive Pan claim, west of Hotazel mine **9**:151s

Perth mine, Kalahari manganese field **22**:280–281m,h

Prince Albert (Gough) gold field **23**:213h

Smartt mine, Kalahari manganese field **9**:137ff, **22**:280–281m,h

South Africa mine, Hotazel, Kalahari manganese field **3**:132s

Wessels mine, Kalahari manganese field **9**:137ff, **18**:148s, **19**:201s, **20**:69s, **20**:398s, **22**:280–281m,g, **22**:393s, **22**:480s, **23**:277s, **23**:436s, **24**:52s, **24**:365–368h,s, **24**:393s

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Barberton gold fields **23**:210–211h,p, **23**:214–218h,g,m

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Eersteling gold field **23**:214h,m,g

Five Shaft area (see Messina mine)

Gravelotte **18**:193s

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Koster (near) (1970 diamond rush) **2**:2h

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Messina mine, Messina district **17**:209s, **18**:244s, **19**:116s, **22**:189m, **22**:191–192m,g, **22**:225s, **23**:436s

Mooihoek **13**:392s

Mooinooi mine, Brits **20**:398s

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Palabora open pit, Phalaborwa **14**:388s, **19**:202–203s, **19**:338s, **22**:255–262m,g, **24**:52s

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Spence mine, Messina district **22**:189m, **22**:190–191m,g

Stavoren **20**:398s

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STAUROLITE

Australia

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Bahia

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Connecticut

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Georgia

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New Hampshire

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North Carolina

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STEACYITE

Canada

Québec

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Poudrette quarry **18:(363)**

United States

North Carolina

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“STEATITE”

Usually refers to massive talc

Germany

Bavaria

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STEENSTRUPINE

Locality not specified **20:339, 20:340q**

Canada

Québec

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Poudrette quarry **18:(363)**

Greenland

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Australia

New South Wales

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United States

California

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“STELZNERITE”

See Antlerite

STENHUGGARITE

Sweden

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STEPHANITE

Canada

British Columbia

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Mexico

Chihuahua

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Sonora

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Norway

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Spain

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Colorado

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Canada

British Columbia

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Niedersachsen

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Spain

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United States

Arizona

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STERRYITE

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United States

Arizona

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STEVENSITE

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United States

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Silver Islet mine **17**:(59)

Québec

Mt. St-Hilaire: **18**:364n; euhedral, skeletal to 3 mm **21**:347

Czech Republic (formerly Czechoslovakia)

Bohutín district, Příbram ore field (foliated) **12**:158

Italy

Tuscany

Lorano basin quarries (some epitaxial on sphalerite) **18**:270q,c,d

Namibia

Tsumeb (minute crystals; some cadmian) **8**:T35n

United States

Arizona

Mammoth mine, Pinal County (unconfirmed) **11**:177

Connecticut

Thomaston Dam, Litchfield County: some epitaxial on sphalerite **10**:239–240p,c; sphalerite after **4**:85

New Jersey

Sterling mine (micro stalactitic) **25**:99p, **25**:101

Ohio

Nagley strip mine, Nagley **10**:297

Pennsylvania

Donohoe, Westmoreland County (sphalerite epitaxial on) **20**:391

Zambia

Broken Hill mine (intergrown with massive sphalerite) **11**:341

WYARTITE

Zaire

Shinkolobwe mine **20**:288

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WYLLIEITE

In pegmatite environments **4:111**

Brazil

Minas Gerais

Córrego Frio mine, near Linópolis **14:233**

United States

South Dakota

Nickel Plate pegmatite, Pennington County
4:118

Old Mike mine, Custer County **17:301**

Victory mine, Custer County: **4:111**; newly
described **4:131–136d,h,q**

WYOMING

Bibliography of locality literature **18:227**

Bibliography of mineralogy literature **10:28**

Colorado border, Jackson County **21:485s**

Goshen Hole, Platte County **21:485s**

Green River formation **8:368–379h,g**

Green River, Sweetwater County **21:485s**

Kirwin Mineralized Area, Southern Absaroka
Mountains, Park County **2:4g**

Lovell, Big Horn County **21:485s**

Oldman Ranch, Encampment, Carbon County
21:485s

Shell, Big Horn County **21:485s**

Shirley Basin, Carbon County **21:485s**

State Line diatremes, near Virginia Dale, Larimer
County, CO/Albany County, WY **13:205–**
208h,g,m,p

Westvaco mine, Green River, Sweetwater County
2:87s

Yellowstone National Park **12:29–38m,g**, **18:401s**

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XANTHOCONITE

Canada

- Ontario
 - Keeley mine, near Cobalt Lake (micro) **13:109**

Czech Republic (formerly Czechoslovakia)

- Třebsko deposit (T-1 vein) (orange coatings) **22:211**

Germany

- Niedersachsen
 - St. Andreasberg **17:9**

Mexico

- Chihuahua
 - Batopilas district **17:78**

United States

- Colorado
 - Forest Queen mine, Gunnison County (acicular) **14:247**

XANTHOXENITE

- Numerous world occurrences **4:116, 4:119, 4:121**
- Species status **4:116**

Brazil

- Minas Gerais
 - Sabinópolis **19:335**

United States

- California
 - Champion mine, Mono County **19:331n**
- Maine
 - Dunton mine **16:(382)**
 - Newry area (micro clusters) **6:202**
- South Dakota
 - Tip Top mine **17:(249)**

Wales

- Clwyd
 - Hendre quarry **20:395**

XENOTIME-(Y)

Austria

- Kaiserer and Lohninger quarries, Salzburg **13:(173)**
- Schafkar, Salzburg **13:(173)**
- Two localities **8:288**

Brazil

- Minas Gerais
 - Córrego Bom Sucesso, near Serro (micro prismatic) **23:472n**
 - Ibitiara (to 3 cm) **23:276n**
 - Urubu pegmatite, Araçuaí area **12:77**

Canada

- Ontario
 - Gunter quarry, near McKenzie Lake (twinned to 3 cm) **24:388n**
- Québec
 - Mt. St-Hilaire (prisms to 2 mm) **21:347**

Greenland

- Godthåbsfjord area (metamict) **24:G14n**
- Narssárssuk pegmatite (xenotime-(Y) epitaxial on zircon) **24:G45**

Italy

- Miage Glacier moraine, Monte Bianco (Mont Blanc) region **15:41**

Norway

- Iveland, Aust Agder (sharp to 3 cm) **22:52n**

Switzerland

- Alter Bach, Valais (3 mm prismatic) **6:304p**
- Four localities **8:288, 8:290p**

United States

- California
 - Jensen quarry, Riverside County (some epitaxial on zircon) **15:286d, 15:289n**
 - Lakeview Mountain pegmatite, Riverside County ("xenotime-(Ce)") **20:387**

Colorado

- Pikes Peak batholith **10:377, 16:228n**

Montana

- Snowbird mine, Mineral County (minute crystals) **8:85**

Nevada

- Majuba Hill mine (minute euhedral) **24:175**

Wisconsin

- Rib Mountain, Marathon County (gemmy euhedral to 1 mm, various colors) **12:96–97**

XONOTLITE

Canada

- Québec
 - Jeffrey mine **10:75**

South Africa

- Cape Province
 - Wessels mine: **23:277n**; resembles okenite **22:393n**; 2 cm fibers **22:296**

United States

- Arizona
 - Christmas mine, Gila County (acicular) **11:261n**
- Michigan
 - Isle Royale, Houghton County (micro fibrous; "wollastonite" id as) **23:M68n**

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YAFSOANITE

United States

Arizona
Tombstone district, Cochise County **23**:(423)

YARROWITE

United States

Arizona
Campbell shaft, Bisbee **24**:435n

YEATMANITE

United States

New Jersey
Franklin **19**:(274)
Sterling Hill mine **13**:(37)

YEDLINITE

United States

Arizona
Mammoth mine, Pinal County: **11**:176; discovery **10**:236h

YFTISITE-(Y)

Sweden

Ytterby (and keivyite after fergusonite-(Y))
18:368n

YOFORTIERITE

Canada

Québec
Mt. St-Hilaire: **10**:108; matted aggregates
21:347

YOSHIMURAITE

Japan

Tanohate mine, Iwate **8**:(517)

YTTRIALITE-(Y)

United States

Texas
Clear Creek pegmatite, Burnet County (veinlets) **8**:90n

YTTROCRASITE-(Y)

United States

California
Southern Pacific Silica quarry, Riverside County **7**:(182)
Texas
Baringer Hill quarry (east of), Burnet County **7**:182–183h,q
Clear Creek pegmatite, Burnet County: **8**:90; crystals to 4 cm **7**:182–183q

YTTROTANTALITE-(Y)

Sweden

Ytterby, Stockholm **2**:137–138h

United States

Colorado
Little Patsy quarry, Jefferson County **21**:429n

YTTROTUNGSTITE-(Y)

Malaysia

Kramat Pulai mine, Perak **12**:86h,q
Tapa, Perak **12**:86h,q

YUGAWARALITE

Four world localities **9**:296n

Iceland

Hvalfjörður **17**:340n, **18**:437–438p
Snaefellsnes **12**:(21)

India

Khandivali quarry, near Bombay (clear blades to 3 cm) **9**:296p,q

Japan

Four localities **9**:296n
Seikoshi mine, Shizuoka-ken **8**:517s

United States

Wyoming
Yellowstone National Park (micro) **12**:34–35

YUGOSLAVIA

See also independent states: Bosnia-Herzegovina, Macedonia, Serbia, Slovenia
Krasna **13**:399s

ZAHERITE

Pakistan

Salt Range (announced; granular) **9**:115h,q

YUKON TERRITORY

Big Fish River, near Northwest Territories border: **21**:486s; special issue **23**:#4h,m,p,g
Blow River area **10**:247s
Crosscut (Crystal) Creek, tributary to Rapid Creek **23**:Y7m
Crystal Creek (see Crosscut Creek)
Grey Cloud claim, near Hart River **12**:183s
Grizzley Bear Creek, tributary to Rapid Creek **23**:Y7m
Gunn claim, near MacMillan Pass, Itsy Mountains **17**:340s
Hess River **8**:390s
Kalzas Lake **17**:340s
Kulan Camp, Rapid Creek **23**:Y7m
Lake Creek, tributary to Rapid Creek **23**:Y7m
Last Chance Creek **18**:84s
Lucky Queen mine, near Kino Hill **22**:386s
Mt. Hundare, near Watson Lake **24**:49s
Rapid Creek **15**:45s, **17**:340s, **22**:53s, **23**:#4h,m,p,g
Rapid Creek/Big Fish River area **8**:517s, **19**:335s, **20**:393s, **23**:#4h,m,p,g
Rock River, Richardson Mountains **17**:339s
Sa Dana Hess mine, Watson Lake **24**:223s
Sonora Gulch, Hayes Creek **24**:385s
Stoneman Camp, Rapid Creek **23**:Y5p, **23**:Y7m
Young's Creek, tributary to Rapid Creek **23**:Y7m

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ZAIRE

Antelope mine **11:316s**
 Bakwanga district **23:437s**
 Dikuluwe mine, west of Kolwezi **17:341s, 22:14–20h,m,p,g**
 From Belgian Congo to Congo to Zaire; vs. Congo Republic **3:147h**
 Kakanda mine **22:393s**
 Kakanda or Kambove **20:398s**
 Kambove **15:168s**
 Kamoto (Kamoto-Est, Kamoto-East) mines, west of Kolwezi **20:267m, 20:274–276p,g,m, 20:398s, 22:14m, 22:53s, 23:495s**
 Kasolo **2:210–211s, 20:280s, 20:283s**
 Kasompi **8:390s, 8:391s**
 Katanga (see Shaba)
 Kingamyambo mine, west of Kolwezi **22:14m**
 Kipushi mine **21:501s**
 Kivu district **12:81**
 Kobokobo, Kivu **11:112s**
 Kolwezi mine, west of Kolwezi **7:133s, 8:390s, 22:14m**
 K.O.V. mine, west of Kolwezi **21:501s, 22:14m**
 Likasa mine, Panda Hill **22:17h**
 Likasi mine **8:517s, 9:113s**
 Locality not specified **18:162s**
 Lueshe mine **8:517s**
 Luiswishi copper mine **20:268h, 20:285s**
 Lukuni mine **25:46s**
 Maniema district **12:81, 12:82s**
 Manono **8:390s, 9:114s**
 Mashamba East mine, west of Kolwezi **21:501s, 22:14m**
 Mashamba mine **17:341s, 18:162s, 18:335s, 20:69s, 20:146s, 20:267m, 20:485–486s**
 Mashamba West mine, west of Kolwezi **19:338s,h, 22:13–20h,m,p,g, 22:217s, 22:393s, 23:277s, 23:437s**
 M'Fouati **3:200s**
 Midingi mine **18:207–209s**
 Mt. Misobo mine, Maniema **12:82s**
 Mupine mine, west of Kolwezi **17:147–148s, 18:411s, 19:122s, 19:338h, 22:14m**
 Musonoi mines, west of Kolwezi **9:114s, 13:33s, 13:44s, 15:45s, 20:274, 20:275m, 20:279–280s, 22:14m, 25:218s**
 Mutoshi mine, east of Kolwezi **22:14m**
 Nzombe, South Kivu **12:86s**
 Post-colonial political history of region **12:188**
 Prince Leopold mine **7:133s, 8:517s**
 Ruwe mine **20:285s**
 Shaba (formerly Katanga): **9:32g,h, 20:146s, 20:398s; special issue 20:#4**
 Shinkolobwe district **2:235s, 15:38s**
 Shinkolobwe mine **8:390s, 9:32–33h,g, 9:114s, 20:268h, 20:269p, 20:271–273m,h,g**
 Star of the Congo mine **15:45s**
 Status of various mines (1981) **12:188**
 Swambo mine **20:267m, 20:273–274p,g,h, 20:281s**
 Violence impedes exporting **23:495h**

ZAKHAROVITE

Canada

Québec

Mt. St-Hilaire (formerly UK#38; minute flakes) **24:388n**

Russia (formerly USSR)

Kola Peninsula **24:(389)**

ZAMBIA

Formerly Northern Rhodesia

Balachardra, Malawi (west of) **23:437s**
 Broken Hill mine, near Kabwe **5:263–264h,s, 9:113s, 11:319, 11:339–348h,p,g,m, 12:394s**
 Chingola (formerly Nchanga) mine **4:246–247**
 Kasola Hill uranium mine, southwest of Kambove **5:264g,h**

Mindola open pit, Rokana mine **9:66s**
 Mufulira **11:317s**
 Ncganga mine (see Chingola mine)
 Post-colonial political history of region **12:188**
 Rokana mine, near Kitwe **9:341–346g,h,m**

ZANAZIITE

Brazil

Minas Gerais

Ilha mine, near Taquaral (newly described) **21:413–417h,q,p,c**

ZAPATALITE

Mexico

Sonora

Cerro Morita (near) (newly described) **5:40h,q**

ZARATITE

United States

Pennsylvania/Maryland

Line pit, State Line district **12:154–155**

ZEKTZERITE

Tajikistan (formerly USSR)

Dara-i-Pioz, Tien-Shan (5 cm cleavages) **22:393n**

United States

Washington

Washington Pass, Okanogan County: **20:(152);** announced; crystals to 37 mm **9:253h,q**

ZEMANNITE

Mexico

Sonora

Moctezuma mine: **8:(390);** tabular to prismatic crystals **1:42**

ZEOLITE DEPOSITS

Deccan basalts, Maharashtra, India **7:248–264**

Durham quarry, Durham, NC **6:300–301**

Færoe Islands (Denmark) (20 localities) **12:5–26h,m,p,g**

Flinders area, Australia **19:451–460**

Horseshoe Dam, AZ **14:115–117**

Iceland (17 localities) **12:5–26h,m,p,g**

Ireland **10:173–176**

Krasnoyarsky Kray, Yakutia **23:433n**

Lucky Peak Dam site, east of Boise, ID **23:424n**

Malpais Hill, AZ **14:109–113q**

New South Wales, Australia **19:389–406**

Northern Ireland **24:52n**

Palabora mine, Transvaal, South Africa **22:255–262**

Pandulena Hill, near Nasik, India **13:305–309**

Paterson, NJ, area **9:157–179**

Philip Island, Australia **19:451–460**

Puu o Ehu quarry, HI **15:95–97**

Santa Lages (south of), Santa Catarina, Brazil **2:13**

Skookumchuck Dam, WA **3:30–34**

South Island, New Zealand **14:49–50**

Table Mountain, CO **19:153–184**

Victoria, Australia (micro) **12:107–108**

Yellowstone National Park, WY **12:29–38**

Zeolites of the World. Rudy Tchernich **23:410–411b**

ZEOLITE GROUP

See also names of individual species; Zeolite Deposits

Italy

Sicily (east coast) **17:(205)**

United States

Nevada

Julie claim, Mineral County (massive, with epidote; tentative id) **16:79**

ZEOPHYLLITE

Canada

Québec

Mt. St-Hilaire (minute plates, aggregates) **21:347p**

Germany

Rheinland-Pfalz

Laacher See area, Eifel district (crusts) **8:325**

ZEUNERITE

See also Metazeunerite

Brazil

Bahia

Brumado mine: **23:276n;** 2 cm crystal **23:432n**

Pedra Preta mine (tabular to 3 cm) **7:129**

Canada

Northwest Territories

Port Radium **20:(207)**

England

Cornwall

Roughton Great Consols **20:395**

France

Rabéjac quarry, Hérault (zeunerite-metazeunerite, plates to 2 mm) **23:433n**

United States

Arizona

Grandview mine, Coconino County (and/or metazeunerite; tabular crystals) **2:219, 2:221q**

Nevada

Majuba Hill mine (2 mm crystals) **16:71c**

Zaire

Kamoto mine (KOV extension) **20:288**

ZIESITE

El Salvador

Izalco volcano **18:(339)**

ZIMBABWE

Formerly Southern Rhodesia, then Rhodesia

Globe and Phoenix mine, Que Que **4:280s**

Harare **19:124s**

Indarama mine, Sebakwe area, Que Que **13:395s**

Jessie mine, Gwanda district **13:395s**

Last Hope mine, Karoi district **17:341s**

Lone Hand mine, Gwanda district **13:395s**

Lost Hope mine, Miami pegmatite fields, Karoi district **21:256h,s**

Miami **10:179s**

Novello claims, Ft. Victoria **19:271s**

Nyanda (formerly Fort Victoria) **11:316s**

Port Victoria area **18:148s**

St. Anne's mine **19:122s, 20:147s**

ZINCALUMINITE

Greece

Kamaréza mine, Laurium (crusts) **7:123n**

ZINCITE

Gemmy, attributed to Poland or to Tuscany, Italy, proved synthetic **24:236**

Poland

Olkusz mine: **22:478c,q;** clear, acicular, prob. post-mining, "from the Great Mine Fire" **22:391**

United States

New Jersey

Franklin/Sterling Hill **19:273n**

Sterling Hill mine (micro flat twins) **10:45–47p**

Zambia

Broken Hill **12:(394)**

ZINC-MELANTERITE

Greece

Kamaréza mine, Laurium (powdery) **7:123n**

GENERAL INDEX

ZINCOBOTRYOGEN

United States

Arizona
Bisbee **24:435n**

ZINCROSASITE

Australia

New South Wales
Kintore opencut, Broken Hill (rosasite-zinc-rosasite) **19:432**

“ZINC-STOTTITE”

See Stottite

ZINKENITE

Keeleyite discredited as **5:35h**

Bolivia

Oruro district (felted masses) **6:134**
San José mine, Oruro district: acicular **14:389**;
crystals to 5 cm **6:134**

Canada

Ontario
Taylor farm, near Madoc **13:(80)**

France

Saint-Pons (near), Haute-Provence (cupriferous;
thick needles) **24:43**

Italy

Tuscany
Calagio quarries **18:278q**

United States

Colorado
Brobstnag prospect, San Juan County (some
id as guettardite) **7:275**
Silverton district, San Juan County **10:359n**

ZINNWALDITE

Brazil

Minas Gerais
Virgem da Lapa pegmatites (15 cm anhedral)
13:28

Greenland

Narssárssuk (prob. id) **5:123**

Italy

Lombardy
Baveno area (7 cm crystals) **14:165–166**

Madagascar

Anjanaboina **20:200**

United States

Colorado
Crystal Peak, Park County **16:224n**
Harris Park (west of), Park County **22:382**
Pikes Peak batholith (zoned) **10:377p**
Specimen Rock, El Paso County **16:224n**,
16:225p
Wigwam Creek, Jefferson County **16:224n**
Idaho
Sawtooth batholith (crystals to 7 cm; zoned
with masutomilite) **24:198–199p,q**
Washington
Washington Pass, Okonogan County (zoned
with masutomilite) **18:361**

ZIPPEITE

Canada

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

Zaire

Shinkolobwe mine **20:288**

ZIRCON

Australia

Northern Territory
Mud Tank (2 cm gemmy) **21:487n**
South Australia
Moonta mines **19:(412)**

Brazil

Minas Gerais
Córrego Bom Sucesso, near Serro (micro
ovoid) **23:472n**

Córrego Frio mine, near Linópolis (colorless) **14:233**

Jaguaraçu pegmatite (groups to 15 cm)
25:167p, **25:170**

Zé Pinto mine, Conselheiro Pena (tiny tan
euhedral) **21:408n**

São Paulo

Jacupiranga mine **15:269**

Canada

British Columbia

Ice River complex (lavender 1 mm euhedral)
12:224

Ontario

Bancroft area (5 localities) (“cyrtolite”)
10:158p

Canadian Beryllium Mines and Alloys Ltd.
properties, Renfrew County **13:85n**

Cardiff mine, near Wilberforce (“cyrtolite”)
13:81–82p

Davis Hill (equant to 1 cm) **21:245**

Davis quarry, near Bancroft (large masses in
parallel growth) **13:86n**

Foymont **19:334**

Golding-Keene quarry, near Bancroft **13:86n**
Highway 62 roadcut north of Bancroft
13:(111)

J. G. Gole quarry, Renfrew County **13:85n**

Lake Clear-Kuehl Lake area, Renfrew
County: **13:201–202**; crystals to 30 cm
13:81n; twins **13:210–212c,p,d**

MacDonald mine, Hastings County: **13:85**;
“cyrtolite” **13:199–200**

McKay property, near Gooderham (“cyrtolite”)
13:86n

McLaren mine, Lanark County **13:81n**

Princess sodalite mine, near Bancroft **13:(227)**

Saranac mine, near Tory Hill **13:85n**, **13:(111)**

Silver Crater mine, near Bancroft **13:76p**,
13:81n

Silver Queen mine, Lanark County **13:81n**

Smart mine, Renfrew County: **13:201–202**,
13:211–212c,d, **19:(334)**; twins to 10 cm
13:81n

Smith-Lacey mine, near Sydenham **13:81n**

Tory Hill (near) **13:81p**

Verona (near), Frontenac County **13:81n**

Westmeath Township, Renfrew County
 (“cyrtolite”) **13:81n**

Wilberforce (near): **13:81**; brown to 10 cm
21:485n

York River tactite zone, near Bancroft
13:227n

Québec

Gatineau Park (Chaput-Payne prospect),
Gatineau County (crystals to 1 cm) **11:80**

Kipawa complex, Timiskaming County:
19:(335), **21:(486)**; to 5 cm **22:386n**

Matilda Lake (near), Argenteuil County (prismatic
to 5 cm) **22:386n**

Mt. St-Hilaire: **10:104**, **13:(244)**, **19:328n**;
bipyramidal to 2 cm; some fl. **21:347–**
348d,c

England

Merseyside

Thurstaston (rod-like) **21:492n**

Germany

Rheinland-Pfalz

Laacher See area, Eifel district **8:325d**, **10:92p**
Mendig, Eifel district (micro) **25:209p**

Greenland

Narssárssuk (crystals to 6 cm) **5:123**

Italy

Lombardy

Baveno area (micro) **14:166**

Trentino Alto-Adige

Sterzinger Hütte, Pfitschertal (red; fades in
light, returns in darkness) **10:87**

Tuscany

Elba (pale green micro) **16:359–360**

Madagascar

Tranomaro **19:337n**

Malawi

Mt. Malosa region (various habits to 1 cm)
25:33p, **25:38c**

Moon

Minute grains **1:22**

Norway

Alta, Finnmark: **13:181n**, **13:184p**; crystals to 5
cm, some gemmy **13:51**

Gjerdingen, Nordmarka region (bastnäsite after)
11:88n

Seiland Island, Altafjord: **19:271n**, **20:397**; end
of collecting **22:47**; red **17:341n**

Pakistan

Bulbin, Northern Areas (2 cm crystals) **25:218**
Locality not specified **20:146**

Stak Nala (near), Gilgit Division (yellowish-
green) **16:407c**, **16:410p**

Russia (formerly USSR)

Lovozero, Kola Peninsula (red-brown) **17:341n**,
21:173n

Ural Mountains **1:(86)**

Sri Lanka

Ambilipitiya, near Kataragama **25:57n**

United States

Arizona

New Cornelia mine, Pima County **14:297**
Northwest of Bisbee **12:315**
Tonopah-Belmont mine, Maricopa County
19:143

California

Himalaya dike system, San Diego County
(euhedral to 1 cm; some uranian) **8:471**

Jensen quarry, Riverside County (brown,
amber, green; xenotime epitaxial on some)
15:286–287d,c

Little Three pegmatites, San Diego County
20:(106)

Colorado

Eureka tunnel, El Paso County: **5:187n**; some
gemmy **16:229–230n**

Little Patsy quarry, Jefferson County (“cyrtolite”)
21:429n

Mt. Rosa, El Paso County **16:229n**

North Cheyenne Canyon, El Paso County
(large “octahedral” crystals) **16:222p**,
16:229

Pikes Peak region **16:229–230**

Saint Peter’s Dome area, El Paso County:
16:229n; gemmy **5:187**

South Platte district, Douglas County (“cyrtolite”)
16:230n

Maine

Bell Pit (micro, “cyrtolite”) **1:114**

Bennett quarry (to 1 cm) **25:183**

Franklin **19:332n**

New Hampshire

Carroll County **20:391**

New Jersey

Bemco mine, Sussex County (euhedral to 2
cm; metamict) **11:39**

Sterling Hill: minute crystals **10:163p**; 1 mm
crystals **21:426n**

New Mexico

Harding mine **8:124**, **20:64n**

Oregon

Summit Rock, Douglas County (minute cavernous
crystals; SEM photos) **9:392–393p**

GENERAL INDEX

South Carolina

Tigerville, Greenville County: **2:26h**; euhedral bipyramidal to 3 cm **1:97p**, **1:101ff**

Texas

Clear Creek pegmatite, Burnet County ("cyrtolite") **8:90**

ZIRKELITE

Brazil

São Paulo

Jacupiranga mine (crystals to 5 mm) **15:269**

Norway

Agnes Sandefjord, Vestfold (zirkelite-30Å) **23:435n**

ZNUCALITE

France

Mas d'Alary, Herault (minute crystals) **23:434n**

ZOISITE

Austria

Prickler Halt, Carinthia **19:42h**

Canada

Québec

Jeffrey mine **9:249**, **10:76n**, **10:79q**

Italy

Navara **20:396**

Norway

Jutenheimen area, Oppland or Fjordane (pink, "thulite") **9:318**

Nordli, Nord-Trøndelag ("thulite") **23:436n**

Søre Lia, Lom **20:(397)**

Pakistan

Alchuri Village, Gilgit Division: **24:219**, **24:229p**, **24:230**, **24:232p**, **24:233**; gemmy prismatic, strongly dichroic **24:52n**

South Africa

Transvaal

Messina district (columnar aggregates) **22:199**

Tanzania

Arusha (blue, "tanzanite") **10:31n**, **10:32p**, **25:363–364p,h**

Merelani, Arusha (gemmy) **23:499n**

United States

Arizona

Mammoth mine, Pinal County (unconfirmed; poss. epidote) **11:177**

Spray shaft, Bisbee district **12:315**

Uncle Sam shaft, Bisbee district **12:315**

California

Jensen quarry, Riverside County (pink needles) **15:289n**

Colorado

Campbird mine, Ouray County **7:303n**

San Juan Mountains **10:359n**

Maryland

Rockville Crushed Stone Co. quarry, Montgomery County **17:(127)**

New Mexico

Iron Mountain, Sierra County **20:60n**

Pennsylvania

French Creek mine **25:(119)**

ZUNYITE

United States

Arizona

Quartzsite (near) (2 cm crystals, red fl.) **17:210n**, **17:212p**

Colorado

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

Zuni mine, San Juan County: **7:302n**; crystals to 5 cm **7:270h**

ZUSSMANITE

United States

California

Laytonville district, Mendocino County **8:433n**

ZVYAGINTSEVITE

Localities not specified **13:392q**, **13:393h**

Russia (formerly USSR)

Noril'sk area, Siberia (grains) **13:392n**

ZWIESELITE

In pegmatite environments **4:110–111**