

GENERAL INDEX

The following abbreviations appear after page numbers.

- () Reported from this locality; no further information
- b Book review
- c Crystal morphology information
- d Crystal drawing
- ff Continues on following non-consecutive pages, or referenced frequently throughout lengthy article
- g Geologic information
- h Historical information

- m A map of the locality or a map on which the locality appears
- n Brief descriptive note, as in "What's New in Minerals?"
- p Photograph or other illustration
- q Quantitative data (x-ray data, chemical analysis, physical properties, etc.)
- s Specimen locality attribution only; no information about the locality itself

In the case of special issues, the letter precedes the page number.

- TZ Topaz (vol. 26, no. 1)
- MB Mineral Books (vol. 26, no. 4)
- P Mines and Minerals of Peru (vol. 28, no. 4)
- SH Sweet Home Mine (vol. 29, no. 4)
- OJ Mexico II—Ojuela mine (vol. 34, no. 5)
- LL Mexico III—Los Lamentos and others (vol. 34, no. 6)
- GU Mexico IV—Guerrero and others (vol. 35, no. 6)

ACANTHITE

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Acanthite with Ag mineralization in Guanajuato mines **30:84–85**

Rayas (Reyes) mine, Guanajuato: coating polybasite crystals **26:496n**; pseudos after pyrargyrite **26:582n**; thumbnail clusters of brilliant cubes **30:217n**

Sirena mine, Guanajuato: vivid black 5-mm cubes on matrix **26:582n**

Torres mine, Guanajuato: lustrous crystals to 3 cm with apophyllite **32:247p**, 248n

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Val d'Ala: "byssolite" with pericline specimens **28:412n**

Russia

Dal'negorsk, Primorskiy Krai: in skarns **32:8**

Dodo deposit, Subpolar Urals: acicular crystals included in quartz, as nests **30:433**

Puiva deposit, Subpolar Urals: acicular crystals included in quartz, as nests **30:456**

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United States

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Austria

Lower Austria

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Alto Ligonha area: in pegmatites **31:468**
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Saranovskii mine, Saranui, Urals: purple chromian crystals to 4 mm **26:493n**; purple chromian crystals in 10-cm group **31:391p**; sharp purple chromian crystals to 5 mm in solid seam linings **35:144n**

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AMICITE

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Kukisvumchorr, Chibiny, Kola Peninsula: 2-mm intergrown crystals **26:493n**

AMMONIOJAROSITE

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Tennessee

Alum Cave Bluff, Sevier County: aggregates of microcrystals **31:168, 169p**

AMPHIBOLE GROUP

See also names of individual species

Revision of amphibole classification and nomenclature in 1995 **29:169–174**

Canada

Quebec

Saint-Amable sill: tufts of acicular microcrystals (species uncertain) **29:92–93**

ANALCIME

Canada

Quebec

Mt. Saint-Hilaire: perfect trapezohedrons to 3.5 cm **26:147n, 26:(491)**; lustrous bluish white trapezohedrons, some hollow **30:216n**; crystals to 10 cm **32:403**

Saint-Amable sill: crude crystals to 5 cm, colorless trapezohedrons to 1 cm **29:93**

United States

Michigan

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Millington quarry, Somerset County: trapezohedrons to 3 cm **31:404–405p**

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ANAPAITE

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Zagradski Potok near Busovača: microcrystals with rutile **27:341, 342p**

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Cuiaba district, Gouveia: loose groups of parallel crystals to 3.5 cm, some coated by bronze rutile **35:144n**

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Jaboticatubas: brown crystals with bulging centers to 1.9 cm **33:84p**

Lavrinha: dark brown bipyramids to 1 cm on quartz **28:417n**

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British Columbia

Silvana mine, Sandon: crystals less than 1 mm **27:434, 436p**

Quebec

Saint-Amable sill: microcrystals of various forms, colors **29:93**

France

La Lauziere: sandy brown 6-mm crystals in parallel growth **33:251p**

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Trimouns quarry, Luzenac, Ariège: rare crystals to 1 mm in dolomite **35:232**

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Norway

Hardangervidda: blue-black bipyramids on and in quartz **27:217n**; sharp bipyramids to 2.5 cm on albite **29:213,216n**

Kongsberg mines: red and orange microcrystals **32:196**

Valdres: 3–8 mm crystals **26:497n**; doubly terminated crystals to 2 cm **28:136n**; sharp crystals to 2.5 cm on brecciated matrix **30:150–151n**; sharp, lustrous, fat blue-black bipyramids to 3 cm **30:215p, 218n; 32:No. 4 (cover)**

Valdres vein, Hardangervidda: single crystals to 2 cm with albite **28:416n**

Russia

Nikolaevskiy mine, Dal'negorsk, Primorskiy Krai: rare crystals **32:10**

Dodo deposit, Subpolar Urals: admantine crystals to 1.2 cm on quartz **30:433p**

South Africa

Transvaal

Vaalkop Dam, Bushveld Complex: sharp blue-black microcrystals **29:463p, 464**

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Penouta, Viana do Bollo, Orense: red crystals to 5 mm on quartz prisms **28:409n**; small crystals on quartz **30:153n**

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Alp Lercheltini, Valais: old specimens with large brown crystals **29:220**

Mt. Cherbadung: microcrystals with fetiasite **30:221**

Russia

Lapcha, northern Urals: **27:139p**; sharp bipyramidal crystals on quartz **27:145n; 27:389n**; crystals to 1.5 cm on quartz **28:136n**; lustrous deep blue bipyramids to 1.5 cm **29:217n**

United States

California

Georgetown, El Dorado County: blue euhedral crystals to 1 cm **31:345–346c,p**

Kentucky

Halls Gap, Lincoln County: very tiny blades in geodes **28:373**; tabular microcrystal **30:65p**

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Corral Canyon, Dixie Valley, Churchill County: brown 2-mm crystals **26:482n**

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Colqui district, Lima Dept.: white and honey-colored crystals to 2.5 cm **28:P74**

Huanzala mine, Huallanca district, Huanuco Dept.: white bladed crystals with sulfides **28:49p**; thin, compound white blades to 2 cm on sulfides **31:276n**

Huaron mines, Pasco Dept.: white/colorless zoned crystals to 1 cm **28:P68**

Julcani district, Huancavelica Dept.: varicolored bladed crystals to 5 cm **28:P88**; platy white crystals to 10 cm with enargite **34:251**

Quiruvilca district, La Libertad Dept.: thin bladed creamy crystals to 5 cm **28:P23**

Raura district, Lima Dept.: white bladed crystals to several cm **28:P38,39p**

San Cristobal district, Junin Dept.: bladed blue-gray crystals to 2.5 cm **28:P75**

San Genaro mine, Castrovirreyna district, Huancavelica Dept.: white bladed crystals to 10 cm in large groups **28:P93**

Romania

Boldut mine, Cavnic, Maramures: fine yellow crystals to 15 cm **28:137n**

Cavnic, Maramures: caramel to white blades to 3 cm **27:456n**; yellow crystals in plates to 40 cm **28:416n**; smoky blue crystals in groups to 15 cm **29:216n**

Mine #6, Baia Sprie, Maramures: 2.5-cm crystals included by realgar **28:137n**

Roata mine, Cavnic, Maramures **28:138p**

Turt mine, Satu Mare: thin colorless crystals in parallel sheaves to 4 cm **32:54p**

Russia

Elbrusskiy mine, North Caucasus: gemmy brown crystals to 10 cm **33:274n**

Verchniy mine, Dal'negorsk, Primorskiy Krai **32:(11)**

Slovakia

Pezinok mine, Pezinok: tiny white crystals on stibnite **31:157**

South Africa

Cape Province

Nababeep West mine: transparent crystals to 20 cm with chlorite **35:310p**

Transvaal

Elandsrand gold mine, Witwatersrand Basin: cavity with barite crystals to 83 cm **32:177–180p**; largest barite crystals in world **35:59**

Spain

Cartagena, Murcia: tabular blue **26:498n**

Gorguel, Murcia: rounded blue crystals to 5 cm **26:146n**

La Unión-Cartagena area: blue crystals **30:153n**; fine specimens **31:286**

Lucairena de las Torres, Almería: tabular orange crystals **28:409n**

Marisol mine, La Unión-Cartagena area: bluish white crystals to 5 cm **28:409n**

Moscona mine, Asturias: yellow transparent crystals with fluorite, calcite **30:153n**

Picos de Europa, Santander **27:(184)**

Río Tinto mines, Huelva: plumbian barite in crystals to 5 cm **27:281**

Teresita mine, La Unión, Murcia: tabular blue crystals in large groups **26:146n**; **31:(286)**

Victoria mine, La Unión, Murcia **31:(286)**

Sweden

Bastnäs mines, Västmanland: small red-brown crystals **35:194**

Götland Island: yellow tabular crystals to 4 cm **27:208n**

Tunisia

Hammam Zriba mine: bluish gray, red-dusted crystals, cabinet-sized groups **30:40n**; blue crystal aggregates on aragonite **33:523n**; 2.5-cm crystals on calcite **34:185n**

United States

Arizona

Castle Dome district, Yuma County: platy masses, bladed crystals **29:451**
 North Geronimo mine, La Paz County **27:367p**
 Purple Passion mine, Yavapai County: white blades with wulfenite **31:326**
 Puzzler mine, Castle Dome district, Yuma County: white platy crystals **29:451p**

California

Chickencoop Canyon, Tulare County: masses, rough crystals **34:162**
 Point Vicente, Palos Verdes Hills: thick tan platy crystals to 3 cm **27:456n**
 Trumbull Peak, Mariposa County: anhedral grains **30:414**

Colorado

Book Cliffs, near Grand Junction, Mesa County: colorless prisms to 8 cm **32:53**; crystals to 5 cm on tan sandstone **33:523n**; abundant fine specimens **34:90n**
 Stoneham, Weld County: 14-cm repaired specimen **28:91p, 93**; 1,200 newly dug specimens with crystals to 5 cm **35:151n**
 Sweet Home mine, Park County: 6-mm blade with fluorite **29:SH116**

Connecticut

Bristol mine, Hartford County: white bladed crystals, transparent tabular crystals **32:441**
 Cheshire: spectacular blades **32:441**
 Somers: translucent blue or tan crystals to 3 cm in groups to 7 cm **35:149n**

Illinois

Annabel Lee mine, Hardin County: fine crystals, stalactites, casts **28:26–28p**
 Cleveland mine, Hardin County: casts after witherite, celestine **28:26**
 Crystal mine, Hardin County **28:(26)**
 Denton mine, Hardin County: fine multicolored crystals **28:26–27p**
 Gaskins mine, Hardin County: yellow crystals to 10 cm **28:26**
 Minerva #1 mine, Hardin County: fine crystals, casts **28:26–27p**; microcrystals of barite pseudomorphous after paralstonite **28:443–446c,g,p,q**
 Spar Mountain, Hardin County: with fluorite **28:26**
 Victory mine, Hardin County **28:(26)**
 West Green mine, Hardin County: crystals to 10 cm **28:26**

Kentucky

Several mines in fluorite district: large commercial deposits **28:27**

Missouri

Lamb mine, Morgan County: transparent crystals in 15-cm aggregates **26:482n**

Montana

Butte, Silver Bow County: white, yellow, brown crystals in gangue **33:42p, 43**
 Myers, Treasure County: golden brown/colorless crystals to 19 cm **30:467n, 468p**
 Pack Rat claim, Red Pryor Mt., Carbon County: brown to light tan diamond-shaped crystals in large clusters **30:40–41n**

Nevada

Anglo Gold SSX mine, Elko, Elko County: tabular yellow crystals **33:260–261p**
 Barrick Meikle mine, Carlin, Elko County: lustrous, gemmy, orange to yellow tabular crystals to 4 cm **29:127p, 128n**; groups of fine crystals **29:212n, 218p**; rich yellow-orange gemmy crystals on calcite **30:49n; 30:(151)**; magnificent crystal groups from

huge pockets **30:188–196h,p**; large matrix plates with crystals to 10 cm **30:211–212n**; cover photo **30:No. 4**; with calcite **30:467n; 32:(53)**; 700 specimens from “Goldstrike Pocket” **32:245n**

Carlin Trend, Eureka County: lustrous amber-yellow crystals to 2 cm **28:201n**

Dee mine, Elko County: orange tabular crystals to 5 cm in clusters **31:273n, 275p**; new crystals more lustrous than older ones **32:245n**; complete locality report **33:225–233g,h,p**

Gold Quarry mine, Eureka County: crystals in varied habits, colors **26:453**

Hecla Rosebud mine, Pershing County: white crystals to 3 cm **29:136n**; grayish white blocky crystals to 3 cm **30:212–213n**

Murray mine, Elko County: blocky crystals coated with drusy quartz **31:195n**; pseudorhomb to 2.5 cm, drusy quartz-coated, on stibnite **31:273n**; blocky white quartz-sugared crystals on brecciated matrix **31:512n**

Rawhide district, Mineral County: pale yellow orpiment-included crystals to 3.5 cm **28:201n**

Twin Creeks mine, Humboldt County: crystals to 7 cm with orpiment **31:318p, 321**

Willard mine, Pershing County: lustrous tabular crystals to 1.2 cm **32:300**

New Mexico

Mex-Tex mine, Bingham: colorless to white crystals to 20 cm **30:337, 338p**

New York

Hyatt mine, Talcville, St. Lawrence County **26:(483)**

Oklahoma

Noble, Cleveland County: roses to over a meter **26:483n**

South Dakota

Elk Creek, Black Hills: 20-cm repaired specimen **28:91p, 93–94**; richly colored crystals to 15 cm on matrix **29:128n**; best specimens in years **29:137n**
 Smith Ranch north of Wasta (“Elk Creek”): gemmy prisms to 12 cm **26:582n**

Tennessee

Elmwood mine, Smith County: strontian, white spheres **27:171–173g,p,q**; 10-cm spheres of pale yellow crystals **33:83n**

Texas

Karnes uranium district south of San Antonio **27:(26)**

Zaire

Dikuluwe mine, Kolwezi, Shaba: with malachite inclusions **26:577p, 579n**

Mulinguisha, Katanga: pale green crystals on malachite (probably same locality as “Shangulowe mine,” below) **30:40n**

Shangulowe mine, Katanga: yellow-gray with malachite inclusions **26:152n**; colorless bladed crystals to 4 cm included by malachite **29:217n**; green-tinted crystals to 5 cm in groups on malachite matrix **30:38p, 40n**; fine groups to cabinet size **30:221n**

BARRERITE

United States

Alaska

Rocky Pass, Kuiu Island: white blades and sheaves to 3 cm in groups **31:276n**

“BARTHITE”

Old name for conichalcite/cuprian austinite from Ojuela mine, Durango, Mexico

BASALUMINITE

United States

Tennessee

Alum Cave Bluff, Sevier County: foliated microcrystals **31:169p**

BASTNÄSITE-(Ce), -(La), -(Y)

Afghanistan

Chuliani, near Jalalabad: loose gemmy crystals, 3-cm crystals on matrix **32:60n**

Locality not specified: sharp crystals to 6 cm, small gemmy crystals **33:274–275n**; fine thumbnails, matrix specimens **34:85n**

Shinwaro, Kunar Province: crisp brown thumb-nail single crystals **32:55n**; brown, some part-gemmy, hexagonal crystals to 4.5 cm **32:253n**

Canada

Quebec

Saint-Amable sill: zoned hexagonal microcrystals, rosettes **29:94**

France

Trimouns quarry, Luzenac, Ariège: fine brown to orange-red crystals, three types **35:233–234d,p**

Italy

Liguria

Pontori prospect, Val Graveglia: tiny crystals with synchysite-(Ce) **32:361**

Pakistan

Locality not specified: 1 x 1.5-cm crystal on feldspar matrix **35:145n**

Zagi (Zegi) Mountain, Northwest Frontier Province: 1.3-cm crystal **33:No. 6 (cover)**; superb hexagonal crystals, some gemmy **33:523n**; fine 2 x 4-cm crystal **34:188n**; fine brown crystals to 6 cm, some gemmy **35:213–215p**

Sweden

Bastnäs mines, Västmanland: plates, masses, crude crystals **35:194h,p**

BAUMHAUERITE

Canada

Ontario

Madoc: antimonian **27:50**

Italy

Tuscany

Serravezza: microcrystals **27:50–51q**

BAUMSTARKITE

Peru

San Genaro mine, Castrovirreyna, Huancavelica: black crystals to 3 mm **34:250**

BAVENITE

Germany

Bavaria

Krennbruch/Kusserbruch quarries, Tittling: rosettes, pseudomorphs **35:408**

Kirghizia

Kalisay: large masses with epidote **26:493**

Spain

Los Gallegos quarry, La Cabrera: 1-cm tufts on feldspar crystals **31:286n**

Sweden

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United States

California

Himalaya mine, Mesa Grande district, San Diego County: acicular microcrystals, pseudomorphs after beryl **33:396**

BAYLDONITE

Australia

New South Wales

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Ireland

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Italy

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Mongolia

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Mozambique

Alto Ligonha area: large, gemmy morganite masses **27:220n; 30:(224)**; huge industrial beryl crystals, gem crystals of various colors **31:468–471c,d,p**; etched morganite crystals **31:511n**; etched morganites to 12 cm **33:260n**

Myanmar (Burma)

Mogok: gemmy 4.5-cm aquamarine crystal **30:41**

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Nepal

Taplejung, Taplejung district: 13.5-cm aquamarine crystal on matrix **34:279p**

Nigeria

Jos region: gemmy aquamarine-emerald crystals to 12 cm **27:63n**

Pakistan

Baha, Baltistan: very pale, gemmy, color-zoned crystals to 2 cm **28:508n**

Chhappu, Braldu Valley, Baltistan: 26.7-cm aquamarine crystal **28:194p**

Chigar-Tow: superb two-step gem aquamarine 7.3 long on matrix **35:148n**

Chumar Bakhoor, Nagar, Northern Areas: aquamarine on muscovite **29:136n**

Drot-Balachi near Shengus, Northern Areas: morganite crystals to 15 cm **26:497n**

Dusso area: gemmy aquamarine crystals **26:TZ22, 23; 28:194p**

Kashmal, between Dusso and Shigar: gemmy aquamarine crystals to 8 cm with gemmy topaz **26:TZ23**

Nagar: aquamarine crystal groups **31:50p, 52p**
Shengus, near Skardu: large gem aquamarine crystal on albite **31:48p**; aquamarine with quartz, albite, schorl **31:53p**

Shigar, Baltistan: jack-straw groups of pale aquamarine crystals **28:212n**

Shigar Valley near Skardu: 12.5-cm gem aquamarine crystal **31:46p**; 23-cm aquamarine crystal on microcline **31:270p**; gemmy 7.2-cm aquamarine crystal with schorl **34:No. 4 (cover)**; 4 perfect aquamarine crystals on large matrix **35:160n**

Russia

Adui field near Mursinka: large green aquamarine crystals **31:183**; exceptional specimens **32:44h**

Adun Chilon (Chelon), Nerchinsk district, Siberia: crystals with topaz **26:TZ31, 32; 32:(45)**

Alabashka field, Urals: excellent green beryl, heliodor crystals **31:183**

Malysheva mine, central Urals: abundant supply of non-gemmy emerald **27:63n**; 16-cm matrix specimen **31:390p**

Mama district, Transbaikal: gemmy heliodor **32:44**

Miass, Ilmen Mountains: rare green beryls to 25 cm **31:183**

Mokrusha and Kazjonitsa mines, Mursinka, Malysheva mine, central Urals: abundant supply of non-gemmy emerald **26:TZ21,67**; multicolored gem beryls to 28 cm **26:TZ69**

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Sarapulka & Shaitanka pegmatites near Mursinka: green and blue aquamarine **31:183**

Sherlova (Sherlovaya) Gora peak, Nerchinsk district, Siberia: heliodor and aquamarine with topaz **26:TZ30, 31**; thumbnail crystals **26:576n**; large "historical" gemmy beryls, various colors **32:44, 45h**

Svetloye greisen, Chukotka **32:(45)**

Takovaja district, Urals: emerald with alexandrite, phenakite **31:183**

South Africa

Transvaal

Kruisrivier mine: questionably reported **27:424**

Spain

A Franqueira, Pontevedra: opaque to translucent emerald to 15 cm **28:499p, 500c,q**

Sweden

Sels Vitberget near Kramfors: altered crystal sections to 20 cm **27:208n**

Tajikistan

Zelatoya Vada, Rangkul, east of Murgab: gemmy heliodor on matrix **26:583n**; lustrous, gemmy crystals on matrix **27:143p, 145–146n**; gemmy prisms to 3 cm on matrix **27:221n**; crystals with unusual inclusions **28:212n**; loose, top gem-grade crystals to 4.5 cm **30:45n**; loose gem crystals to 15 cm, various colors **30:53n**; heat-treatment doubted by John White **31:449**

Ukraine

Volhynia pegmatites: large corroded crystals with topaz **26:TZ19**

Volodarsk: heliodor and blue beryl crystals **26:152n**; blue to green to yellow gemmy crystals **32:45h**

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United States

California

Audrey Lynn claim, Riverside County: aquamarine crystals **33:369p**

Blue Lady mine, San Diego County: fine morganite, aquamarine **33:369–371p**

Clark mine, Rincon district, San Diego County: gem morganite **33:390**

Cryo-Genie mine, San Diego County: gemmy aquamarine, morganite **33:373–374p**

Crystal Gem mine/Beebe Hole, Jacumba district, San Diego County: aquamarine crystal **33:404p**

Elizabeth R mine, Pala district, San Diego County: gemmy morganite crystals to 15 cm **33:388h,p**

Esmeralda mine, Mesa Grande district, San Diego County: fine crystals of morganite, aquamarine **33:397–398p**

Fano mine, Riverside County: 7.1-cm aquamarine crystal group **33:367p**

Hercules mine, Ramona district, San Diego County: prismatic morganite, goshenite, aquamarine crystals to 8 cm **33:403**

Himalaya mine, Mesa Grande district, San Diego County: massive, rare goshenite crystals **33:393**

Little Three mine, Ramona district, San Diego County: goshenite-morganite **26:TZ23**; morganite crystals **33:401p, 402p**; goshenite crystal **33:402p**

Mack mine, Rincon district, San Diego County: gemmy aquamarine **33:390h,p**

Pack Rat mine/Beebe Hole, Jacumba district, San Diego County: gemmy pale blue to green aquamarine **33:404p**

Stewart mine, Pala district, San Diego County: morganite crystals **33:378p**

Tourmaline Queen mine, Pala district, San Diego County: morganite crystals on blue-cap elbaite crystals **33:414, 418, 420p**; morganite with blue "indicolite" elbaite **33:424–425**

White Queen mine, Pala district, San Diego County: pale-colored morganite crystals to 8 cm **33:383–384h,p**

Idaho

Sawtooth Range (aquamarine) **26:TZ16**

Maine

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Wood's mine, Lancaster County: many fine old specimens in Yale collection **30**:95

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United States

Colorado

Various gold telluride deposits **35**:(62)

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Skrikerum **27**:(209)

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Droukouvo mine, Laki, Rhodope Mts. **32**:497s

Erma Reka mine, Zlatograd **30**:221s

Ianakiev mine, Erma Reka **34**:281s

Kruchov Dol mine, Madan district **34**:275s

Madan district **26**:141s, **27**:456s, **32**:58s

Mogila mine, Madan district **29**:216s

9th of September mine, Madan **27**:144h

Osogovo Mountain, Kjustendil **28**:208s

Pchelohad mine, Kardzah **28**:417s

Sedefteche mine, Momtschilgrad **30**:221s

17th of September mine, Madan **34**:87s

Stefanov mine, Zlatograd **29**:216s

Zvezdel mine, East Rhodope Mountains **28**:208s, **29**:216s

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M'Fouati: translucent 4 x 4 x 4-cm cyclic twin on matrix **34:92n**
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“CHALCEDONY”

Cryptocrystalline quartz
After **25:#6**, see under *Quartz*

CHALCOCITE

Australia
Western Australia
Telfer gold mine, Carnarvon: lustrous cruciform twins to 5 cm **32:255p, 256n**

England
Cornwall
Carharrack mine near Gwennap **26:MB79p**
Cook's Kitchen **26:MB82p**
Wheal Abraham (?): old specimen pictured in Sowerby, also pictured in *Minerals of Cornwall and Devon* **26:MB96h**

Hungary
Rudabánya: pseudo-hexagonal, twinned, tabular crystals to 5 mm **32:110**

Italy
Liguria
Val Graveglia: massive, rare sharp crystals to 4 cm **32:359p, 361**

Kazakhstan
Dzhezkazgan: pseudo-hexagonal twins to 1 cm across on 10-cm matrix **30:224n; 33:(97)**
Mine 57, Dzhezkazgan: crystals to 2 cm **26:492–493n**

Mexico
Baja California
Boleo deposit: primary copper ore, micro-crystals **29:38–39**
Durango
Ojuela mine, Mapimí: minute amounts with other sulfides **34:OJ60**

Namibia
Onganja mine, Seeis **27:(96)**

Russia
Sentyabr'skiy mine, Dal'negorsk, Primorskiy Kraj: with bornite **32:15**

South Africa
Cape Province
Messina mine: fine old specimens **35:313**
Nababeep West mine, Okiep district: twinned crystals in groups **35:311p, 313**
Okiep district **35:(309)**
Wheal Julia, Okiep district: crystals **35:313**

Spain
Hozarco, Picos de Europa, Santander **27:(187)**

Sweden
Bastnäs mines, Västmanland: masses in quartz **35:195**

United States
Arizona
Castle Dome district, Yuma County (?): massive with malachite **29:452**
Connecticut
Bristol mine, Hartford County: fine old specimens in Yale collection **30:94–95**; sharp black crystals to 2 cm in loose groups and on drusy quartz **32:54n**; superb specimens from mid-19th century **32:443–446h,p; 33:(524)**

Kentucky
Halls Gap, Lincoln County: in geodes, identity questionable **28:373**

Montana
Butte, Silver Bow County: world-class crystals, twins, pseudomorphs **33:45–46p**

Nevada
Gold Quarry mine, Eureka County: sooty patches **26:454**

New Jersey
Chimney Rock quarry, Bound Brook: cluster of sharp 1-cm crystals **28:508n**

New Mexico
Nacimiento mine, Cuba, Sandoval County: replacing logs **28:54**

Wisconsin
Flambeau mine, Ladysmith, Rusk County: diverse specimens, crystals to 2.5 cm **26:219g,h**; remarkable crystals resembling Cornwall chalcocite **26:486n**; bronze to deep blue crystal specimens **27:60–61n,p**; summary of occurrence **28:52–53c,g**; golden and iridescent blue thumbnail specimens **29:128n**; flat of specimens **30:37n**; description of occurrence **30:114–122c,d,p,q**; **30:No. 2** (cover); letter on collecting history **31:213–214**

Zaire
Kipushi mine, Shaba: elongated prisms (?) **26:178**

CHALCOMENITE

Bolivia
El Dragón mine, Potosí **26:(489)**
Pacajake mine, Potosí: acicular blue-green microcrystals **34:348–349d,p**

Sweden
Skrikerum **27:(209)**

Zaire
Musonoi Extension mine, Katanga: on altered digenite **30:261**

CHALCOPHANITE

Italy
Liguria
Val Graveglia: doubtful occurrence **32:364**

Mexico
Durango
Ojuela mine, Mapimí: velvety black botryoidal crusts **34:OJ61p**

Russia
Brenner mine, Dal'negorsk, Primorskiy Kraj: microcrystals in gossan **32:15**

United States
Arizona
Brick 2 mine, Gila County: black coatings and microcrystals **26:444**
Nevada
Gold Quarry mine, Eureka County: metallic rosettes to 0.1 mm **26:454p**

CHALCOPHYLLITE

England
Cornwall
Wheal Gorland: rich specimen collected in 1792 **35:261**

France
Salsigne mine, Aude: attractive blue crystals to 1 cm **28:137n**

Italy
Liguria
Val Graveglia: crystals to 1 cm in fossil wood **32:364**

United States
Nevada
Majuba Hill mine, Pershing County: blue-green crystals to 3 mm **29:209n**

CHALCOPYRITE

Azerbaijan
Dashkesan: **27:(452)**; tetrahedrons to 3 cm with greenish patina **34:92n**; good specimens **34:186n**

Bolivia
Cerro Rico de Potosí, Potosí: massive, common with other sulfides **30:21**
Pacajake mine, Potosí: with clausthalite in polished sections **34:350**

Bulgaria
Madan district **26:(141)**
Mogila mine, Madan district: lustrous 1-cm crystals on drusy sphalerite **29:216n**
17th of September mine, Madan **34:(87)**

Canada
British Columbia
Engineer mine, Tagish Lake: occurrence reported in 1927 **27:269**
Silvana mine, Sandon: lustrous microcrystals **27:436**

China
Chenzou, near You Guam Xiang (= Yao Gang Xian?): to 4 cm **26:142n,144p**; crystals to 5 cm with calcite **27:449n**
Leyang, Hunan (?) **26:142**
Tao Ling mine, Yue Yang City, Hunan: small crystals with fluorite **26:142**
Yaogangxian, Hunan: lustrous stacked, skeletal crystals **28:61n**

England
Cornwall
Carharrack mine near Gwennap **26:MB79p**
Cumbria
Brownley Hill mine, Alston Moor: tarnished crystals around 0.5 mm **31:245**

France

Trimouns quarry, Luzenac, Ariège: crude microcrystals **35:235**

Hungary

Rudabánya: massive ore species, disphenoidal crystals to 3 mm **32:111**

India

Dahisar quarry, Bombay, Maharashtra: crystals to 3 mm in clusters **34:43, 44p**

Italy

Liguria

Val Graveglia: large masses, crystals to 5 mm **32:364**

Tuscany

Serravezza: rare crystals less than 1 mm **27:52**

Mexico

Baja California

Boleo deposit: ore species, disseminated grains **29:39**

Durango

Ojuela mine, Mapimí: massive ore mineral **34:OJ61**

Locality not specified **30:(41)**

Namibia

Onganja mine, Seeis **27:(96)**

Norway

Kongsberg mines: rounded, tarnished crystals to 1.5 cm **32:197**

Peru

Alimon mines, Cerro de Pasco, Pasco Dept.: crystals on needle quartz **34:248p**

Casapalca district, Lima Dept.: lustrous sphenoidal crystals to 4.5 cm **28:P81**; gray crystals to 3 cm with tetrahedrite coatings **34:249**

Castrovirreyna district, Huancavelica Dept.: lustrous dark yellow-gold crystals to 2 cm **28:P93**

Colquijirca mine, Pasco Dept.: collector-quality specimens **28:P65**

Hercules mine area, Ancash Dept.: collector-quality specimens **28:P62**

Hermínia mine, Julcani district, Huancavelica Dept.: collector-quality **28:P88**

Huanzala mine, Huallanca district, Huanuco Dept.: brilliant crystals to 5 cm with pyrite, fluorite **28:P50p**; sharp, iridescent sphenoids to 3.5 cm on fluorite **32:57n**

Huaron mines, Pasco Dept.: sharp, dark golden disphenoids to 5 cm **28:P68–70p**

Pachapaquí district, Ancash Dept.: sphenoidal crystals to 1 cm **28:P45**

Pucarrajo mine: crystals to 4 cm, some flattened twins **34:244**

Quiruvilca district, La Libertad Dept.: bright crystals to 1.5 cm, pseudomorphs after enargite **28:P24**

Romania

Boldut mine, Cavnic, Maramures: sharp crystals to 1 cm on calcite **31:99n**

Cavnic, Maramures: crystals to 2.5 on quartz groups to 15 cm **28:416n**; brilliant, sharp crystals to 1.5 on quartz crystal groups **30:471n**

Turt mine, Maramures: with galena, quartz, siderite **31:99n**

Russia

Dal'negorsk, Primorskiy Krai: large group of 4-cm crystals **26:152n**; lustrous crystals **28:133n**; sharp crystals to 6 cm, with other sulfides, in several mines **32:13–15p**

Dodo deposit, Subpolar Urals: crystals to a few cm on quartz **30:436**

Puiva deposit, Subpolar Urals: crystals rarely to a few cm **30:457**

Slovakia

Pezinok mine, Pezinok: scarce grains **31:157**

South Africa

Cape Province

Jan Coetzee mine, Okiep district: good crystal specimens **35:304, 312p**

Okiep district **35:(309)**

Okiep mine, Okiep district: 12.2-cm crystal group **35:312p**

Wheal Julia, Okiep district: botryoidal and stalactitic **35:313**

Transvaal

Kruisrivier mine: massive **27:424**

Marlin Norite quarry, Bushveld Complex: crystals with apophyllite **29:463p, 464**

Spain

Eugui quarries, Navarra: malachite-coated crystals to 3 cm on dolomite **34:281n**

Nueva Vizcaya mine, Burguillos del Cerro, Badajoz: with pyrite **33:498**

Picos de Europa, Santander: altered, with chalcocite and covellite **27:184**

Sweden

Bastnäs mines, Västmanland: main ore mineral, rare crystals to 1 cm **35:195**

United States

Alaska

Green Monster Mountain, Prince of Wales Island: oxidized nodules **35:394p**

Colorado

Commodore mine, Creede: crystals with sphalerite, galena **28:204n**; crystals to 1.5 cm with sphalerite and galena crystals **33:263n**

Sweet Home mine, Park County: sharp crystals to 1 cm **29:SH116, 117p, 136q, 140p**; fine miniature specimen **34:126**

Connecticut

Bristol mine, Hartford County: crystals to 1.25 cm, rosettes, tubelike aggregates **32:446–447p**

Illinois

Denton mine, Hardin County: crystals epitaxial on sphalerite **28:34p**

Hillside mine, Hardin County: four-pound mass with fluorite **28:34**

Irene, Mulford and Mt. Carroll quarries: 2-mm crystals on dolomite **26:130c**

Rosiclare: large masses on dumps near mill **28:34**

Kentucky

Halls Gap, Lincoln County: microcrystals with millerite **28:373, 379p**

Montana

Butte, Silver Bow County: massive, botryoidal, small crystals **33:46–48p**

Nevada

Gold Quarry mine, Eureka County: minor massive **26:454**

Meikle mine, Elko County **30:(196)**

New Mexico

Ground Hog mine near Vanadium: brilliant crystals on needle quartz **28:54**

Mex-Tex mine, Bingham: altered disphenoidal 1.5-cm crystals **30:338**

San Pedro mine, Santa Fe County: altered disphenoids to 9 cm **28:54**

New York

Rossie, St. Lawrence County: crystals very rarely to 1 cm on calcite **32:284**

Tennessee

Elmwood mine, Smith County **27:(171)**

Wisconsin

Flambeau mine, Ladysmith, Rusk County: "blister" specimens **26:219n**; massive, microcrystals, iridescent botryoidal specimens **30:122p**

Zaire

Kipushi mine, Shaba **26:178–179g,q**

CHALCOSTIBITE

France

Serre farm area, Saint Pons, Haute Province: 1-cm crystals with zinkenite **26:494n**; huge prismatic crystals in siderite vugs **27:138p, 141n; 27:450p**

Hungary

Rudabánya: grains, blocky crystals to 2 mm **32:111**

Morocco

Gar el Anz, Casablanca region: metallic black blades to 12 cm **27:63n**

Rar el Ans, Cherrat: bladed crystals tarnished deep blue **33:221p**

CHAMOSITE

United States

New York

Long Lake, Hamilton County: acicular microcrystals **26:483n**; 3 generations in vein cavities **31:418–419p,q**

Wyoming

Atlantic City mine, South Pass, Fremont County: sharp black books and rosettes to 1.5 cm on matrix **32:248n**

CHAPMANITE

Slovakia

Pezinok mine, Pezinok: crystal aggregates to 4 μm **31:160p**

CHARMARITE

Canada

Quebec

Mont St.-Hilaire: discovered by, named for Marcelle & Charlie Weber **35:4,5**

CHAROITE

Russia

Murun complex, Chara River Valley: cathodoluminescence study **27:28q**

CHENEVIXITE

Mexico

Durango

Ojuela mine, Mapimí: thin botryoidal crusts on mimetite **34:OJ61**

Spain

Mazarrón-Águilas district, Murcia: crusts, masses, microcrystals **34:322–323p**

CHERNOVITE-(Y)

Italy

Liguria

Molinello mine, Val Graveglia: pink prismatic crystals to 2 mm **32:364**

Switzerland

Mt. Cherbabung **30:(221)**

CHEVKINITE-Ce

Pakistan

Arondu, Haramosh Range, Baltistan: lustrous black crystals to 3.5 cm **32:253n**; black tabular crystals to 4 cm in groups **32:487n, 489p**

Chipral: sharp, lustrous crystals to 7.5 cm **32:493n**

Locality not specified **34:(87)**

Nanga Parbat area: bladed crystals to 6 cm in groups **33:97n**

Russia

Veshnovogorsk, Middle Urals: subhedral 2-cm cubes **28:212n**

CHIAVENNITE

Sweden

Utö Island, Stockholm: boron-bearing, sprays to 1 cm **27:208**

CHILDRENITE

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Charcas: 2.5-cm crystals in hemisphere **27:147n**; pale blue crystals coating larger prisms **27:452n**

La Aurora mine, Charcas: with citrine quartz **28:205n**; groups of transparent pink crystals to 25 x 30 cm **35:153n**

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- Boqueirãozinho pegmatite, Parelhas: masses to 1 meter across in microcline **29:195**

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- Markhi Khel near Spinghar, Nangarhar: smoky green, lustrous crystals **28:508n**

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- Jeffrey mine, Asbestos: drusy crystals with orange-pink grossular crystals **30:49n**; elongated crystals with grossular, tabular transparent crystals **35:125–127, 133**; transparent pale greenish brown blades to 2 cm **35:250n**

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- Tchukotka: plumes of crystals to 3 mm **26:493**

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- Green Monster Mountain, Prince of Wales Island: subhedral grains **35:395**

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- Kingsbridge, Manhattan, New York City: opaque brownish crystals to 7 cm in marble **28:467–469c,d,h, 28:471p**

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Subgroup of amphibole group

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Hibschite-katoite series

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Russia

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Dzhzhkzagan **26:98s; 26:152s, 26:229s, 26:486s, 28:133s, 30:45s, 30:53s, 30:224s, 31:24s, 31:27s, 31:392s, 32:42s, 32:54–55s, 32:253s, 32:No. 6 (cover), 33:97s**

Gaurdak **31:392s**

Itauz mine near Dzhzhkzagan **33:97s, 35:154s, 35:255s**

Kadamdzhai **31:392s**

Kalban district **32:45s**

Karaganda **32:42**

Karaoba (Kara-Oba) **26:579s, 31:391h, 32:41s**

Karzemkul deposit, Kustanay Oblast **32:487s, 33:97s, 34:282h**

Kent **35:408s**

Kent Mountains **31:193s, 32:45s**

Khaidarken caves **31:392s**

Lake Balkhash, near Preozersk, Dzhzhkzagan Oblast **28:212s, 29:132s, 30:37s**

Locality not specified (rhodochrosite) **27:144n**

Mine #2, Akchatau **27:390s**

Mine 31, Dzhzhkzagan **30:224s**

Mine 57, Dzhzhkzagan **26:143s, 26:492s, 27:389s, 29:132s**

Mine 65, Dzhzhkzagan **28:61s**

Novo Ramansko **27:140s**

Novoromanovskoye **32:45s**

Nura-Taldy, central Kazakhstan **27:63g**

Rudny **26:575s, 27:141s, 30:41s, 31:390s**

Sarbayaskaya quarry, near Rudny, Kusteni Oblast, North Kazakhstan **26:229s, 26:492s, 27:63s**

Sarbayaskoe (Sarbayaskiy) mine near Rudny **26:493s, 28:133s**

Sokolovskaya mine, near Rudny, Kusteni Oblast, North Kazakhstan **26:152s, 26:579s**

Sokolovskoye quarry, Rudny **26:143s, 29:132s**

Sokolovsko-Sarbayaskaya mine near Tobal River, Rudny, Kusteni Oblast **26:493s**

Sortuz **33:97s**

Urgursay **26:493s**

KAZAKHSTANITE

United States

Nevada

Gold Quarry mine, Eureka County: radiating crystals to 1 mm **26:459, 460p**

KENTROLITE

England

Somerset

Higher Pitts mine, near Priddy: small amounts on old specimen **27:253**

KENTUCKY

Babb mines, Livingston County **28:6g,h**

Big Four mine, Crittenden County **28:6–7g,h,m**

Columbia mine, Crittenden County **28:7g,h**

Dyers Hill mine, Livingston County **28:9g,h**

Eagle-Watson mine, Crittenden County **28:g,h**

Halls Gap, Lincoln County **26:575s, 28:369–384g,h,m,p; 30:65s**

Hickory Cane mine, Crittenden County **28:9g,h**

Hutson mine, Livingston County **28:10, 11g,h,m**

Illinois-Kentucky fluorite district (130+ mines listed, shown on map) **28:3–49g,h,m,p**

Lexington quarry, Lexington, Jessamine County **29:212h**

Mary Belle mine, Crittenden County **28:11g,h**

Old Jim mine, Crittenden County **28:12g,h**

Pygmy mine, Crittenden County **28:12–13g,h,p**

Yandell mines, Crittenden County **28:14g,h**

KENYA

Lake Magadi **29:103s**

Northern Frontier District **34:281s, 35:149s**

Pakot **34:276s**

KERMESITE

Canada

Quebec

Lac Nicolet, South Ham: acicular crystals to 5 cm **27:127–128c,g,h,p**

China

Kuming, Yunnan: subparallel acicular crystals in intergrown fans to 6.5 cm **34:88p**

Locality not specified: sprays to 7.5 cm **34:86–87n**

Germany

Upper Saxony

Neue Hoffnung Gottes mine, Bräunsdorf near Freiberg **30:92p**

Slovakia

Pezinok mine, Pezinok: red to violet, adamantine radial sprays to 14 cm, secondary coatings **31:158–159p, 161**

Zimbabwe

Globe and Phoenix mine near Que Que: 11-cm crystal group **31:29p**

“KEROGEN”

Amorphous bituminous material

South Africa

Transvaal

Elandsrand mine, Witwatersrand Basin: in giant barite crystal pocket **32:177ff.**

Witwatersrand gold field: in conglomerates with gold **35:59**

KERSTENITE

Bolivia

El Dragón mine, Potosi **26:(489)**

KEYSTONEITE

United States

California McAlpine mine, Tuolumne County **26:(478)**

KHAIDARKANITE

Kirghizia

Khaidarkan **35:(157)**

KIDWELLITE

Brazil

Minas Gerais

Sapucaia pegmatite, Galiléia: silky white, replacing rockbridgeite **30:357**

United States

Alabama

Fault Line prospect, Indian Mountain complex, Cherokee County: pseudomorphs after dufrénite **26:219n**

Red Ball mine, Calhoun County: in earthy “bog iron” **26:218n; gray-green botryoidal 26:475n**

KINGITE

United States

Nevada

Gold Quarry mine, Eureka County: crystal-line spherules, masses **26:459, 460p**

KINOSHITALITE

United States

California

Trumbull Peak, Mariposa County: pale brown micaceous flakes **30:415**

KINTOREITE

Australia

New South Wales

Kintore opencut, Broken Hill: type locality **27:375**

GENERAL INDEX

Western Australia
Mt. Murray **26**:(487)

KIPUSHITE

Zaire
Kipushi mine, Shaba: emerald-green microcrystals **26**:183–184c,d,h,p

KIRGHIZIA

Formerly USSR
A guide to mineral localities in the former Soviet Union **26**:517–549
Kadamdzhai, Osh Oblast **26**:486s
Kalisay **26**:493s
Khaidarkan **35**:157s
Pamir Mountains **32**:42s

KOBEITE

Japan
Locality not specified **35**:(157)

KOLBECKITE

United States
Wisconsin
Flambeau mine, Ladysmith, Rusk County: bright green microcrystals **30**:124p

KOLWEZITE

Zaire
Katanga Crescent: hemispheres, concretions in various mines **30**:264–266
Mashamba West mine, Katanga Crescent: groups of stalactites, banded concretions, hemispheres, coatings **30**:265–266p

KOLYMITE

Hungary
Rudabánya: silvery grains in native copper with moschellandsbergite **32**:124

“KONGSBERGITE”

Alloy of silver and mercury

Spain
Roza de Santa Matilde, Herrerías, Almería: filiform aggregates on red jasper, barite **31**:277n; sheets, arborescent masses **31**:286n

KOREA

Kyung Sang Nam Do **26**:575s
Taewha mine **28**:455s

KORNERUPINE

Sweden
Stakholmen: divergent masses to 30 cm **27**:209n

KOSNARITE

Brazil
Minas Gerais
Jenipapo district, Itinga: sharp, tan to yellow crystals to 4 mm on albite **34**:276p, 278n; orange microcrystal druses on montebrasite crystals **35**:153n

United States
Maine
Mount Mica, Paris, Oxford County: microcrystals **26**:578n
Mount Mica & Black Mountain: pseudocubic crystals to 1 mm **26**:481n

KOSTOVITE

United States
Colorado
Various gold telluride deposits **35**:(62)

KÖTTIGITE-PARASYMPLESITE

Mexico
Durango
Ojuela mine, Mapimí: grayish blue crystals to 6 cm **34**:OJ68–69d,p

KOVDORSKITE

Crystal Structure and Charge Density Analysis of Kovdorskite (abstract) **32**:43q

Russia
“Iron quarry,” Kovdor massif: pale pink bladed crystals to 2.5 cm **28**:136n
Kovdor: 2-cm pale blue crystal **26**:143, 144p; **26**:529p; transparent glassy pale orange-brown crystals to 1.5 cm **28**:211p, 212n
Zheleznyi mine, Kovdor, Kola Peninsula: blue crystals to 2.5 cm **27**:218p, 221n

KRAUSKOPFITE

United States
California
Chickencoop Canyon, Tulare County: thin veins in quartz/sanbornite **34**:163
Trumbull Peak, Maricopa County: colorless grains **30**:415

KRENNERITE

United States
Colorado
Cripple Creek mines: microcrystals, cleavage sections in rock **30**:49n
Various gold telluride deposits **35**:(62)

KRUPKAITE

Peru
Julcani mine, Huancavelica Dept.: needle crystals to 4 mm **34**:250p, 251

KRUTAITE

Bolivia
El Dragón mine, Potosí: vein material **26**:200h, **26**:(489)

KTENASITE

England
Cumbria
Brownley Hill mine, Alston Moor: blue-green grains (Zn analogue) **31**:247

United States
Arizona
Brick 2 mine, Gila County: blue-green microcrystals **26**:445, 446p

KUKHARENKOITE-(Ce)

Canada
Quebec
Saint-Amable sill: 3-mm reticulated aggregates **29**:101p,q

KULANITE

Canada
Yukon Territory
Big Fish/Rapid Creek **26**:(147)

KUTNOHORITE

Italy
Liguria
Val Graveglia: pink club-shaped aggregates, crystal sprays **32**:366p, 368
Tuscany
Levane near Montevarchi, Arezzo: microspherules with aragonite **27**:151p, 152

Peru
Castrovirreyna district, Huancavelica Dept.: pale pink rhombic crystals **28**:P93
Milpo mine, Atacocha district, Pasco Dept.: rhombohedrons to 10 cm **34**:247
Uchucchacua mine, Lima Dept.: pink stalactitic aggregates **28**:P59

Russia
Bor pit, Dal’negorsk, Primorskiy Kraj: milky white crystals to 1 cm on quartz **32**:23

South Africa
Cape Province
Kalahari managanese field: small pink mushroom-shaped groups **34**:92n

KYANITE

Brazil
Goias
Locality not specified: sharp zoned ruler-like crystals **26**:221p, 223n; gemmy color-zoned **26**:489n

Norway
Selbu, northeast of Trondheim: crystals to 25 cm in quartz **26**:497n

Russia
Hit-Ostrov, Karelia: terminated crystals to 6 cm in gneiss **26**:493n

United States
Georgia
Graves Mountain: Fe oxide-stained platy crystals **30**:44n
New York
Kingsbridge, Manhattan, New York City: in marble, poss. misidentified **28**:469

LABELS AND LABELING

Bilingual labels in museums (controversy) **32:324**
 Essential features of labels in museum displays **31:189–190**
 Indian specimens mislabeled “Poona” or labeled with checks on standard list **34:17**
 Labels from old collections now in Yale/Peabody collection **30:91p**
 Locality information: labels misattributing other Mexican specimens to Ojuela mine, Durango **34:OJ33–34**
 Locality information: labels misattributing specimens to Butte, Montana **33:64**
 Locality information: problems with political divisions in old German labels **30:94**
 Locality information: problems with transliteration, etc. for Chinese localities **26:142**
 Locality information: problems with transliteration, etc. for localities in the former Soviet Union **26:517–519, 32:40**
Mineralogical Record illustrated specimen labels for special issues **34:131**
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 Spurious species-specificity **28:151**

LABRADORITE

Madagascar

Locality not specified **27:(66)**

LABUNTSOVITE

Canada

Quebec

Saint-Amable sill: prismatic red-orange to yellow crystals to 3 mm **29:101–102d,p**

LÅNGBANITE

Sweden

Långban, Värmland **27:(207)**

LANGITE

Italy

Liguria

Val Graveglia: crystals to 3 mm **32:366p, 368**

LANTHANITE-(Ce), -(La), -(Nd)

Canada

Quebec

Poudrette quarry, Mont St.-Hilaire: white rosettes of microcrystals **29:492p**

Sweden

Bastnäs mines, Västmanland: pink microcrystals of lanthanite-(Ce) **35:196–197d,p**

LAPLANDITE

Russia

Yubileynaya pegmatite, Kola Peninsula: good crystals **27:209**

LAUEITE

Brazil

Minas Gerais

Sapucaia pegmatite, Galiléia: pale yellow crusts, microcrystals **30:357**

LAUMONTITE

Canada

British Columbia

Silvana mine, Sandon: colorless prisms to 3 mm **27:437**

India

Alibag, Maharashtra: crystals to 15 cm, cavity fillings **34:65–67**

Bombay area, Maharashtra: large crystals which dehydrate rapidly **34:69**

Deccan Plateau (general survey): swordlike crystals to 15 cm **34:51p**

Malad-Kurar quarries, Bombay, Maharashtra: prehnite casts after prisms to 22 cm **26:152n, 26:495n**; white 15-cm crystal cluster **34:51p**; prehnite casts **34:51**

Nasik, Maharashtra: pink crystals which dehydrate and crumble **34:74**

Mexico

Veracruz Las Vigas region: crystals to a few mm in amethyst pockets **34:LL63**

Norway

Kongsberg mines: recently found in crystals to 1 cm **32:197**

Russia

Dal’negorsk, Primorskiy Kraj: small white prismatic crystals **32:23**

Puiva deposit, Subpolar Urals: columnar crystals to 5 mm, masses **30:461**

Spain

La Cabrera, Bustarviejo, Madrid: crystals to 4 cm in clusters **31:286n**

United States

Alaska

Green Monster Mountain, Prince of Wales Island: coatings and crystals to 1.5 cm on epidote **35:400**

LAURELITE

United States

Arizona

Grand Reef mine, near Klondyke, Graham County: with other rare lead fluorides **27:297–298d,q**

LAVENDULAN

Chile

San Francisco (formerly Beatrix) mine, Sierra Gorda: with seeligerite **26:492n**

Hungary

Rudabánya: minute turquoise-blue lamellar crystals in spherical aggregates **32:124**

Italy

Gambatesa mine, Val Graveglia: spherules to 2 mm **32:368**

Spain

Mazarrón-Águilas district, Murcia: sprays of electric blue crystals to 4 mm, probably world’s best specimens **34:326–328p**

LÄVENITE

Canada

Quebec

Saint-Amable sill: yellow sprays to 5 mm **29:102–103p,q**

LAWRENCITE

Italy

Campania

Mte. Somma/Vesuvius **27:(460)**

LAWSONITE

United States

California

Reed Ranch Road, Marin County: sharp blue crystals on matrix **35:249–250p**

LAZULITE

Bolivia

Cerro Rico de Potosi, Potosi: possible pseudomorphic specimens **30:22**

Canada

Yukon Territory

Big Fish/Rapid Creek **26:(147)**

Pakistan

Chilas area near Nanga Parbat Peak: gemmy dichroic crystals to 7 cm **30:46p, 53n**

Dassu Valley, Skardu: gemmy crystals, pleochroic blue/green/turquoise **30:41n**

United States

Georgia

Graves Mountain, Lincoln County: pale blue sandy crystals to 5 cm **32:56n**

LAZURITE

Twinning of dodecahedral lazurite crystals not yet observed **31:149**

Afghanistan

Koksha Valley, Badakhshan: crystals common in recent years **26:487**; rounded crystals to 2 cm in white marble **32:253n**

Italy

Campania

Mte. Somma/Vesuvius: intense blue, twinned microcrystals **27:460**

LEADHILLITE

United States

Missouri

Beer Cellar mine, Granby: pale green 1-cm crystals **29:136**

LEGRANDITE

Mexico

Durango

Ojuela mine, Mapimí: collecting huge crystal pocket in 1977 **34:OJ23h**; complete description **34:OJ69–75d,h,p**

Nuevo Leon

Flor de Pena mine, Lampazos: type locality, crystals to 4 cm **34:OJ70**

LEIFITE

Canada

Mont Saint-Hilaire: “competition” thumbnails **26:147n**

LEISINGITE

United States

Utah

Centennial Eureka mine, Juab County **28:(177)**

LEITEITE

Namibia

Tsumeb: species named after Luis T. Leite **30:251**

LEMANSKIITE

Chile

Guanaco near Taltal: sky-blue, pearly masses in rock **33:99n**; pale blue platy masses **34:118**

LEMOYNITE

Canada

Quebec

Saint-Amable sill: sharp prismatic crystals in spheres to 1.5 mm diameter **29:103**

LENGENBACHITE

Switzerland

Lengenbach: bladed crystals **26:145**

LEPIDOCROCITE

Bolivia

Cerro Rico de Potosi, Potosi: iridescent botryoidal specimens found in 1803 **30:22**

Hungary

Rudabánya: pale brown druses, flakes to 2 mm **32:124**

Mexico

Durango

Ojuela mine, Mapimí: rosettes and platy crystals to 1 mm **34:OJ75**

Veracruz

Las Vigas region: tiny platelets and flakes included in amethyst **34:LL63, 67**

Russia

Dal’negorsk, Primorskiy Kraj: component of “limonite” **32:23**

GENERAL INDEX

LEPIDOLITE

Brazil

- Espirito Santo
Mimoso do Sul mine: spheroidal to 20 cm **26:490n**
- Minas Gerais
Agua Roa: with zinnwaldite, matrix for rhodochrosite **26:490**
- Jacare mine: bright pink pseudomorphs after tourmaline crystals **30:40n**
- Jose do Linto, Itinga: spheroidal **26:490**
- Toca do Onca pegmatite, Barra da Salinas: diamond-shaped lilac crystals **34:281n**
- Urupuca mine: brilliant purplish pink compound prisms on elbaite **31:276n, 278p**
- Virgem da Lapa pegmatites, Araçuaí: aesthetic crowns, caps on topaz **26:TZ23**

Mozambique

- Alto Ligonha area: **30:(224)**; large masses, radial aggregates, crystals **31:481p**; large nodules **33:260n, 34:186n**; large clusters **35:157n**

United States

- California
Himalaya mine, Mesa Grande district, San Diego County: masses, sharp crystals to 3 cm **33:392, 395p**
- Little Three mine, Ramona district, San Diego County: large groups of euhedral purple crystals **33:398, 403p**
- Stewart mine, Pala district, San Diego County: massive, with pink elbaite **33:376**

Maine

- Mount Marie quarry near Paris: 30-cm blocks **26:479n**

Nevada

- Zapot pegmatite, Mineral County: tan ferroan lepidolite books to 20 cm, colorless non-ferroan overgrowths **30:284q**

LEUCOPHANITE

Canada

- Quebec
Mont Saint-Hilaire: yellow 6.5-mm crystal cluster **33:251p**

Norway

- Locality not specified **33:(97)**

Russia

- Kola Peninsula **27:(209)**

LEUCOPHOSPHITE

Brazil

- Minas Gerais
Sapucaia pegmatite, Galiléia: crusts, microcrystals with phosphates **30:352q, 357d**

United States

- Nevada
Gold Quarry mine, Eureka County: crystal spheres to 1 mm **26:459, 460p**
- Wisconsin
Flambeau mine, Ladysmith, Rusk County: clusters of brown microcrystals **30:124p**

LEUCOSPHEENITE

Russia

- Yubileynaya pegmatite, Kola Peninsula: good crystals **27:209**

LEVINSONITE-(Y)

United States

- Alum Cave Bluff, Sevier County: euhedral prismatic crystals to 0.8 mm **31:171p**

LEVYNE

India

- Bhopal, Narmada Graben: with heulandite **34:52**

Japan

- Chojabaru, Iki island, Nagasaki Prefecture, Kyushu **26:(495)**

- Ikezuki island, Nagasaki Prefecture, Kyushu **26:(495)**

LIBETHENITE

- Chemistry of the secondary copper phosphates and silicates **28:52**

England

- Cornwall
Locality uncertain **26:MB91p**

Mexico

- Durango
Ojuela mine, Mapimí: short prismatic to equant crystals to 4 mm **34:OJ75**

Portugal

- Estremoz: lustrous mm-sized crystals **26:497n**

United States

- Montana
Butte, Silver Bow County: with malachite and azurite **33:56**
- Nevada
Gold Quarry mine, Eureka County: transparent euhedral 0.1-mm crystals **26:459**
- New Mexico
Mex-Tex mine, Bingham: spheres, sprays of prismatic microcrystals **30:341, 343p**
- Snake Pit mine, Hansonburg district, Socorro County **26:(483)**

Zaire

- Musonoi Extension mine, Shaba: crystals to 3 mm on sandstone **33:483**
- Kipushi mine, Shaba: green microcrystals **26:184c,h,p**

Zambia

- Broken Hill mine: zincian variety (?) **26:184h**
- Mindola open pit, Kitwe: lustrous deep green crystals to 2 cm **27:63n**

LIDDICOATITE

- Displays of sliced crystals at Munich Show 2003 **35:160, 179**

- Some Russian "liddicoatite" may be elbaite **26:494n**

Czech Republic

- Blizna graphite mine, Blizna, Bohemia: zoned crystals to several mm **26:494n**

Madagascar

- Anjanaboina pegmatite: color-zoned crystals to 20 cm **33:82h,q**
- Fianarantsoa pegmatite: 10-cm crystals with red cores, green rims **33:82h,q**
- Locality not specified: crystals on matrix **31:510n**
- Locality not specified: small brilliant red crystal **35:160n**

Russia

- Malchan (Kraznoy Chikoy) field: sodian liddicoatite **26:494n**

LIKASITE

Kazakhstan

- Locality not specified **35:(157)**

"LIMONITE"

- Mixture of hydrous iron oxides, primarily Goethite*

Brazil

- Minas Gerais
Sapucaia pegmatite, Galiléia: hard "ocher" in weathered phosphates **30:357**

France

- Trimouns quarry, Luzenac, Ariège: pseudomorphs after pyrite to 10 cm **35:239**

Pakistan

- Zagi Mountain, Northwest Frontier Province: crusts, films, pseudomorphs **35:217**

United States

- Illinois
Spar Mountains mines, Hardin County: stactitic, botryoidal **28:39**

LINARITE

Canada

- British Columbia
Beaver mine, Beaver Mountain **33:(72)**

Hungary

- Rudabánya: pale blue bladed crystals to 1 mm in massive smithsonite **32:124**

Italy

- Liguria
Val Graveglia: crystals to 2 mm on milky quartz crystals **32:397, 399p**

South Africa

- Transvaal
Argent, Bushveld Complex: blue sprays of microcrystals on slag **29:463p, 464**

United States

- Arizona
Grand Reef mine, near Klondyke, Graham County: crystals to 5 cm **27:293**
- New Mexico
Blanchard mine, Bingham: world-class crystals, pseudomorphs after galena **28:54**
- Mex-Tex mine, Bingham: drusy crystals, frequently with brochantite **30:341**

LINDGRENITE

Chile

- Chuquicamata **28:(392)**
- Jardinera No. 1 mine, Inca de Oro, Atacama: small crystals **28:392–393h,q**
- San Samuel mine near Carrera Pinto: exceptional microcrystalline specimens **34:118**

LINDQVISTITE

Sweden

- Jakobsberg: type locality **27:209**

LINNAEITE

South Africa

- Cape Province
Okiep district **35:(309)**

Sweden

- Bastnäs mine, Västmanland: grains, masses, octahedral crystals to 1 cm **35:197h**

Zaire

- Katanga Crescent: in massive sulfide ores **30:260**

LIOTTITE

- Relations to other cancrinite-group species **27:112q**

Italy

- Lazio
Montenero quarry, Viterbo: colorless microcrystals **27:151p, 152**

LIPSCOMBITE

Brazil

- Minas Gerais
Sapucaia pegmatite, Galiléia: masses, lustrous microcrystals **30:352q, 357**

LIROCONITE

England

- Cornwall
Carharrack near Gwennap **26:MB79p**
- Huel Mutterel **26:MB82p**
- Wheal Gorland: 3.5-cm crystal on Rashleigh specimen found in 1808 **26:MB80h**; 3.75-cm crystal group **31:71p**

LITHARGE

Mexico

- Durango
Ojuela mine, Mapimí: inclusions in wulfenite and calcite **34:OJ58, 75**

Russia

- Brenner mine, Dal'negorsk, Primorskiy Krai **32:(23)**

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LITHIOPHILITE

Brazil

Rio Grande do Norte
Boqueirãozinho pegmatite, Parelhas: masses, crude crystals to 20 cm **29:195p, 196**

United States

California
Stewart mine, Pala district, San Diego County: sooty black equant crystals, masses to 10 cm **33:378**

Maine

Bennett quarry, Buckfield: salmon-orange masses to several cm **26:479n**

LITHIOPHORITE

Brazil

Minas Gerais
Sapucaia pegmatite, Galiléia: coralloid growths in altered phosphates **30:357**

LITHIOPHOSPHATE

Canada

Manitoba
Tanco pegmatite, Bernic Lake: sharp crystals to 2 cm **26:492n**

LIVINGSTONITE

Mexico

Guerrero
Huitzucó: type locality, old mercery camp **35:GU36**

LIZARDITE

Australia

Tasmania
Lord Brassey mine: gangue mineral **33:328**

LOCALITY INDEXES

Bolivia **32:457–482**
Former Soviet Union **26:517–549**
Northern Areas, Pakistan **28:183–200**

LÖLLINGITE

Bolivia

Cerro Rico de Potosí, Potosí **30:(22)**

Brazil

Minas Gerais
Sapucaia pegmatite, Galiléia: bladed crystals to several cm in albite **30:357**

Canada

British Columbia
Engineer mine, Tagish Lake: tiny crystals coating arsenopyrite **27:269**

Quebec

Saint-Amable sill: silvery twinned tabular crystals to 1 mm **29:103**

Russia

Second Soviet mine, Dal'negorsk, Primorskiy Krai: microscopic, in ore **32:23**

Slovakia

Pezinok mine, Pezinok: fine-grained aggregates to 10 cm **31:159**

LONDONITE

Madagascar

Ampanivana, Betafo region: fine crystals in pegmatite **33:80q**

Antandromby, Manadona valley: crystals to 7 cm in pegmatite **33:80q**

Antsongombato, Mahaiza region: lustrous yellow dodecahedrons to 4 cm (new species) **31:280n, 284p**; fine crystals in pegmatite **33:80q**

Locality not specified **33:(259)**

Mahaica: yellow dodecahedrons to 3 cm **34:86n**

LOPARITE

Russia

Keivy pegmatite, Kola Peninsula: 8-mm twins **26:493n**

Khibiny Tundra, Kola Peninsula **26:529**

LORANDITE

United States

Utah

Mercur mine, Tooele County: bright red crystals to 3 cm in realgar **34:88p, 90n**

LORENZENITE

Canada

Quebec

Saint-Amable sill: acicular crystals in spherical aggregates to 6 mm **29:103p**

Russia

Hibini, Kola Peninsula: crystals to 2 cm **26:229n**

LOTHARMEYERITE

Mexico

Durango

Ojuela mine, Mapimí: microcrystals, druses, inclusions in adamite **34:OJ53, 75–76p**

LUDJIBAITE

Portugal

Vilaviçosa, Estremoz: microcrystals with pseudomalachite **29:216n**

LUDLAMITE

Bolivia

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Arizona

Kullman-McCool claims, Gila County: masses to 25 cm **26:445**

Colorado

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Nevada

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New Mexico

Republic mine, Hanover, Grant County: octahedrons to 2 cm in groups **27:60n**

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Mineralogy of Maine; Volume 1: Descriptive Mineralogy, Vandall T. King and Eugene E. Foord **27:225–226b**

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Quebec

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MALACHITE

Locality not specified: group of stalactites measuring 2 x 2 feet **35:157n**

Australia

Victoria

Benambra: compact masses and veins **26:108**

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China

Guangdong, Sichuan: botryoidal 9.7-cm specimen **32:490p**

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Cumbria

Brownley Hill mine, Alston Moor: green spherules on chalcocopyrite **31:247**

France

Chessey, Lyon: partial pseudomorphs after cuprite **35:148n**

Trimouns quarry, Luzenac, Ariège: small encrustations and films **35:239**

Hungary

Rudabánya: non-pseudomorphic crystals in beautiful rosettes, fans, sheaf-shaped aggregates to 6 cm **32:122–123p**, **124d**; **32:(489)**; pseudomorphs after cuprite **33:260n**; mossy green, coating cuprite **34:91n**

Italy

Liguria

Val Graveglia: spherules in 8 mm in large druses **32:368**

Tuscany

Serravezza: crusts, tiny globules **27:54**

Mexico

Baja California

Boleo deposit: coatings on azurite and copper **29:42**

Durango

Ojuela mine, Mapimí: tufts, bowtie aggregates, pseudomorphs **34:OJ76p**

Morocco

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Onganja mine, Seeis: dark green “primary” crystals to 2 cm **27:95p**, **96**

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Peru

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Dal'negorsk, Primorskiy Krai: coatings **32:23**

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Nizhnii Tagil, Middle Urals: 15-cm “velvet” specimen **31:394p**

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Transvaal

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Mazarrón-Águilas district, Murcia: crystals and radial clusters to 1 mm **34:327**

Picos de Europa **27:(187)**

Sweden

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Morenci: spheres to 1.4 cm **26:476p**

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New Mexico

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Utah

Bingham **26:(486)**

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Zaire

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Kipushi mine, Shaba: tiny crystals, pseudomorphs **26:184–185c,h,p**

Localities not specified: large stocks of top-quality specimens **32:497n**

Mashamba mine: curved leaves to 5 cm **26:146n**

Mulungwishi: “primary” crystal sprays with azurite **26:225n**

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Star of the Congo mine, Lubumbashi, Shaba: large botryoidal specimens **26:498n**

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MALAGASY REPUBLIC

See Madagascar

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Mt. Malosa, Zomba District **26:149**, **152h**, **28:64h**, **28:131s**, **28:413s**, **29:132s**, **30:150s**, **32:59–60s**, **34:86s**, **34:280s**, **35:255s**

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Diakon, south of Sandaré, Niore region **26:149h**

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Defiance workings, Darwin mine, Darwin: 1-mm crystals **26:478n**

Nevada

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Italy

Liguria

Val Graveglia: crystals to 1 cm, lustrous sprays **32:368**

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Warm Springs Creek near Challis: with heulandite in huge geodes **32:248n**

Rat’s Nest claim near Challis, Custer County: “puffballs” to 5 cm with heulandite in large geodes **33:83n; silky white cavity linings of hairlike crystals 35:152n**

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Aghbar mine (drift), Bou Azzer **32:252s, 33:255s, 35:148s**

Ait Ahmane **28:208s**

Ait Hamane mine **30:221s**

Be Platin mine **34:186s**

Bergamon (?), Meknes **33:524s**

Bou Agra **30:221s**

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Bouarfa, between Erachidia and Oujda, Anti-Atlas Mountains **27:212s, 27:456s**

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Kerrouchen **31:99s, 34:91s**

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Rössing (Rössing) mine, Arandis **28:506s, 35:408h**

Tschudi mine, Otavi Mountain Land **28:128g,h**

Tsumeb **26:163ff, 26:225s, 26:496h, 26:578s, 27:389s, 27:456s, 28:65s, 28:132s, 28:451s, 29:136s, 30:181s, 30:241–242b, 31:39s, 31:73s, 32:305–306h, 32:493s, 32:496s, 33:77s, 33:78h, 33:97s, 33:182s, 185s, 33:219s, 33:275s, 33:524s, 34:283h, 34:OJ6–7g,h; 34:OJ54s, 70s, 79s, 80s; 35:146s, 35:No. 4 (cover)**

Uitsab mine, Otavi Mountain Land **28:128h**

West Brandberg **27:220s**

NAMIBITE

Summary of world occurrences **29:163–166p,q**

Australia

Victoria

Benambra: hemispheres to 5 mm **26:111n,p**

NANTOKITE

Mexico

Durango

Ojuela mine, Mapimí: with cerussite pseudomorphs **34:OJ78**

NATROJAROSITE

United States

California

Palos Verdes, Los Angeles County: red-brown microcrystal druses **28:201n**

NATROLITE

Canada

Quebec

Mont Saint-Hilaire **26:(491)**; 5-mm crystal group **33:251p**; colorless transparent loose prisms to 7 cm **35:250n, 251p**

Saint-Amable sill: colorless prismatic crystals to 2 cm, masses **29:104–105d**

France

Trimouns quarry, Luzenac, Ariège: sprays of acicular microcrystals **35:240**

India

Bombay area quarries, Maharashtra: sharp acicular crystals, epitaxial **34:54p, 69**

Italy

Sardinia

Ittiri, Sassari **26:(495)**

Kazakhstan

Sokolovskoye quarry, Rudniy: sprays of acicular crystals to 2 cm **29:132n**

Peru

Huanzala mine, Huallanca district, Huanuco Dept.: brittle acicular crystals **28:P53**

Russia

Kukisvumchorr, Chibiny, Kola Peninsula: pale green transparent crystals **26:493n**

Talnach, Noril'sk, Siberia **28:(137)**

United States

New Jersey

Millington quarry, Somerset County **26:(482)**; 2-cm acicular crystals in sprays **28:132n**; colorless crystals to 4 cm, tightly packed spheres **31:407p, 408–409**

Paterson: 4-cm acicular sprays on prehnite **28:412n**

NATROSILITE

Russia

Kedykverpakht Mt., Lovozero massif, Kola Peninsula: white cleavage sheets to 25 cm **34:282**

NAUMANNITE

Bolivia

Pacajake mine, Potosí: microcrystals, mixture with penroseite **34:351**

Mexico

Guanajuato

Guanajuato district: acanthite-naumannite series in Guanajuato mines **30:84–85**

United States

California

Defiance workings, Darwin mine, Darwin **26:(478)**

NENADKEVICHITE

Canada

Quebec

Saint-Amable sill: sharp pseudo-hexagonal crystals to 2 mm **29:105d,q, 106p**

NEOTOCITE

Italy

Liguria

Val Graveglia: small masses, brown botryoidal crusts, pseudomorphs **32:369**

NEPAL

Dhading, Ganesh-Himal **31:193s**

Ganesh Himal, Dhading **28:136s**

Gujarkot, Bheri Zone, western Nepal **26:496–497s**

Taplejung, Taplejung district **34:279s**

NEPHELINE

Distinguished from cancrinite-group minerals **27:110q**

Canada

Quebec

Saint-Amable sill: rock-forming mineral, possible natrolite pseudomorphs **29:105**

Morocco

Jebel Aouli: sharp prismatic crystals to 2 cm with schorlomite **29:132n**

Russia

Alluaiv, Lovozero massif, Kola Peninsula: crystals to 1 cm **26:493n**

Spain

Ciudad Real **28:(410)**

NEPTUNITE

United States

California

Benitoite gem mine, San Benito County: crystals to 8 cm with benitoite recently found **29:209n, 210–211p**; new mining for specimens **33:262n**

NEVADA

Anglo Gold SSX mine, Elko, Elko County **33:260–261s**

Barrick Meikle (or Meikle) mine near Carlin, Elko County: **29:128s, 29:212s, 30:40s, 30:49s, 30:151s, 30:187–196g,h,m,p; 30:211–212s, 30:467s, 32:53s, 32:245s, 33:175s, 33:225s, 34:90–91s, 34:278s**

Candelaria mine, Esmeralda County **32:300s**

Carlin Trend, Eureka County **28:201s**

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Dee mine, Elko County **31:273s, 32:245s**

Dee North mine, Elko County **33:225–234g,h,m,p**

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United States

Nevada

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Italy

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Canada

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United States

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Russia

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Italy

Campania
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Brazil

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Durango

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United States

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Durango

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Sonora

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United States

New Jersey

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Kintore Open-cut, Broken Hill: crystals in variety of habits **27:375**

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Cornwall

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Locality not specified **26:MB91p**

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Hungary

Rudabánya: fan-like and spherical aggregates to 2 mm **32:125p**

Italy

Liguria

Val Graveglia: green crystals, sprays to 5 mm **32:369**

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Zacatecas

El Cobre mine, Concepcion del Oro: superb puffballs with azurite **32:487n, 490p**

Namibia

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South Africa

Transvaal

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Spain

Mazarrón-Águilas district, Murcia: prismatic crystals to 3 mm **34:327–328, 329p**

United States

Utah

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“OLIVINE”

Series name; see also end-members Fayalite and Forsterite

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Russia

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OLSACHERITE

Bolivia

Pacajake mine, Potosí: sharp colorless crystals to 1.5 mm **34:351–352d,p**

OLSHANSKYITE

Japan

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Tasmania

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Austria

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Brazil

Minas Gerais

Sapucaia pegmatite, Galiléia: thin hyalite crusts with phosphates **30:359**

Canada

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Vernon: gem quality **26:491**

Quebec

Saint-Amable sill: microspheres, botryoidal aggregates, crusts **29:105**

Czech Republic

Cicov Hill, Horonec, near Bilina, Bohemia: nodules to 20 cm **35:142**

Italy

Liguria

Val Graveglia: veins in manganese ore **32:369**

Mexico

Durango

Cerro del Mercado: waxy gray hyalite with fluorapatite crystals **33:86n**

Namibia

Omoruru, Erongo Mountains: fluorescent hyalite on pegmatite minerals **31:99n**

Peru

Acari mine, Arequipa Dept.: transparent blue, chrysocola-included **34:254**

Russia

Bor pit, Dal'negorsk, Primorskiy Krai: massive white **32:24**

Slovakia

Pezinok mine, Pezinok: thin white films, colorless hyalite **31:161**

Ukraine

Volyn: black, in pegmatite **26:494n**

United States

Nevada

Gold Quarry mine, Eureka County: colorless botryoidal coatings **26:462**

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Illinois-Kentucky

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- Jeffrey mine, Asbestos: type locality **35**:123; blue spots on copper **35**:133

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- Navegador (Orozimbo) mine, Penha do Norte district: orange-red gemmy, heavily etched crystals to 5 cm **35**:144n; thumbnail to small cabinet specimens **35**:145n; gem crystals to 2.5 cm **35**:146n; 5 spectacular large specimens **35**:148n; reddish brown, very gemmy crystals to 4 cm **35**:149n; 4-cm crystal **35**:151p; abundant specimens **35**:153n; exceptional specimens **35**:157n
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- Pedra Bonita mine: sharp orange 3-cm crystal **33**:219p

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Canada**Quebec**

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China

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Hungary

Rudabánya: pseudomorphs after stibnite crystal groups to 3 mm **32:155**

Mexico**Durango**

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STIBIOLCOLUMBITE-STIBIOTANTALITE

See also *Columbite-Tantalite*

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Cerro Rico de Potosí, Potosí: acicular sprays to 1 cm **30:32**

Eterovich mine, Oruro: brilliant large clusters **26:149n**

Canada**British Columbia**

Engineer mine, Tagish Lake: occurrence doubtful **27:272**

Quebec

Lac Nicolet mine, South Ham: crystals from millimetric to 8 cm **27:129p**

China

Lan Tan, Guangxi: brilliant needle crystals hosting gemmy orange calcite **31:283n**

Linshu mine: crystals **28:410n**

Locality not specified: lustrous arm-thick prisms **27:141n**

Luayang, Leyang Province: lustrous loose prisms to 30 cm long **26:583n**

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Trimouns quarry, Luzenac, Ariège: striated acicular microcrystals **35:242**

Hungary

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Kazakhstan

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Peru

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- Quebec
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- Hungary**
Rudabánya: compact masses, sharp tetrahedral crystals to 2 mm **32:157**
- Kazakhstan**
Dzhezkazgan: iridescent metallic black crystals to 2 cm **26:583n**
- Mexico**
Durango
Mapimí district: in massive sulfide ore **34:OJ84**
- Peru**
Carmen-Lira mines, Castrovirreyna district, Huancavelica Dept.: simple tetrahedral crystals to 1 cm **28:P94**
Casapalca district, Lima Dept.: crystals to 8 cm in fine, large groups **28:P80p, 82**; thousands of fine specimens found in 1998, crystals to 13 cm **34:249p**
Colqui district, Lima Dept.: large, bright crystals on quartz/pyrite **28:P74**
Huanzala mine, Huallanca district, Huanuco Dept.: crystals with calcite **28:P54p**
Huaron mines, Pasco Dept.: crystals to 1 cm with quartz crystals **34:248**
Julcani mine, Huancavelica Dept.: complex, rounded crystals to 1.5 cm **34:251**
Mercedes mine, Huallanca district, Huacuco Dept.: brilliant modified-tetrahedral crystals to 7 cm **28:P55–56p**
Milpo mine, Atacocha district, Pasco Dept.: lustrous parallel-growth aggregates to 3 cm **34:247**
Morococha district, Junin Dept.: black tetrahedrons with pyrite, calcite **28:P73**
Mundo Nuevo mine, Pasto Bueno, Ancash Dept.: crystals on 12-cm matrix **34:242p**; crystals to 3 cm with pyrite, hübnerite **34:278n**
Pachapaqui district, Ancash Dept.: stunning large groups of lustrous, simple tetrahedral crystals **28:P47p**; brilliant tetrahedrons to 2 cm with sphalerite **34:243**
Pasto Bueno district, Ancash Dept.: tetrahedrons to 9 cm, some on hübnerite **28:P35**
Quiruvilca district, La Libertad Dept.: tetrahedrons to 3 cm in large, lustrous groups, pseudomorphs after enargite **28:P27**
Raura district, Lima Dept.: crystals with barite, stibnite **28:P39p**
- Russia**
Dal'negorsk, Primorskiy Krai: crystals to 2 cm with quartz, pyrrhotite **32:28–29**
Dodo deposit, Subpolar Urals: small crystals, grains to 10 cm **30:442**
- Slovakia**
Pezinok mine, Pezinok: 30- μ m inclusions in pyrite **31:159**
- United States**
Colorado
Sweet Home mine, Alma: brilliant crystals to 5 mm **26:218n**; ubiquitous as ore species, crystals **29:SH1–153** (Sweet Home Mine Special Issue); discovery of first fine specimens in 1991 **29:SH25**; lustrous 4-cm crystals from "Museum Pocket" in 1992 **29:SH35**; crystals of tetrahedrite/tennantite/freibergite to 5 cm **29:SH122p**; chemical analyses, solid-solution series **29:SH133–135p,q**; lustrous 5.5-cm crystal **34:126**
Montana
Butte, Silver Bow County: rare, massive **33:63**
Nevada
Gold Quarry mine, Esmeralda County: crystals to 10 microns **26:465**
Meikle mine, Elko County: lustrous microcrystals with pyrite **30:194**
Utah
Bingham **26:(486)**
- TETRANATROLITE**
- Canada**
Quebec
Saint-Amable sill: white crusts on paranatrolite/natrolite **29:109**
- TEXAS**
Bull Creek, Austin, Travis County **35:144g**
Lampasas **35:144s**
Llano Uplift, Mason County **26:TZ27p**
Mason County topaz deposits **26:TZ18, 28g, 46s**
- THAILAND**
Hat Yai Province **29:220s, 30:238s, 30:472g, 31:98s**
- THAUMASITE**
- Germany**
Bayern (Bavaria)
Zeilberg, Maroldswiesach **34:(63)**
Hessen
Gaulsberg, Ortenberg **34:(63)**
Niedersachsen (Lower Saxony)
Bramburg, Adelebsen **34:(63)**
- India**
Junnar-Narayangaon, Maharashtra: fibrous aggregates with scolecite **34:63, 73**
- Russia**
Talnach, Norilsk, Siberia **26:(228), 28:(137)**
- United States**
New Jersey
Paterson **34:(63)**
- THEFT**
Carlton College, Minnesota geology department robbed **26:TZ2, 72**
Clinoclase specimen stolen from Cornwall Geological Museum **29:142**
Gold specimens, gold jewelry, Kongsberg silver stolen from *Kristalle* **29:82**
Mineralogical Record subscription monies stolen at Springfield Show 1995 **26:514**
Staurolite specimen stolen (and returned) in dealer showroom **26:566**
Tourmalines from Maine stolen from exhibit case at Colby College **31:519**
- THENARDITE**
- Hungary**
Rudabánya: efflorescences in old workings **32:157**
- THEOPHRASITE**
- Australia**
Tasmania
Lord Brassey mine: green crystalline crust **33:327q, 329**
- THOMETZEKITE**
- Russia**
Brenner mine, Dal'negorsk, Primorskiy Krai: in gossan, 2nd world occurrence **32:29**
- THOMSENOLITE**
- Canada**
Quebec
Saint-Amable sill: microcrystals in cavities in leached cryolite **29:109**
- Greenland**
Iviglut: columnar crystals with steep pyramidal faces **29:109**
- United States**
Colorado
St. Peters Dome **30:(288)**
Nevada
Zapot pegmatite, Mineral County: crystals to 20 microns **30:288, 291p**
- Virginia
Morefield pegmatite near Amelia **26:(486)**; microcrystals **26:555c,g,p,q; 30:(288)**
- THOMSONITE**
- India**
Bombay area, Maharashtra **34:(63)**
Nasik, Maharashtra: tiny spherical aggregates on chalcedony **34:63**
Poona, Maharashtra: tiny earthy white aggregates **34:63**
- Italy**
Campania
Mte. Somma/Vesuvius: sharp colorless microcrystals **27:459p, 461**
- Russia**
Bor pit, Dal'negorsk, Primorskiy Krai **32:(29)**
Dodo deposit, Subpolar Urals: transparent platy crystals to 2 mm **30:442**
- United States**
New Jersey
Millington quarry, Somerset County: spheres and "bowties" to 1 cm **31:410**
- THORIANITE**
- Madagascar**
Locality not specified: sharp 2.5-cm crystal **32:495n**; many lustrous cubes to 2 cm **33:97n**
- Mozambique**
Namivo-Tomeia-Nampoça pegmatites, Alto Ligonha area **31:(489)**
- THORITE**
- Canada**
Ontario
Kemp prospect, Cardiff Township: sharp tabular crystals to miniature size **30:471n**
- France**
Trimouns quarry, Luzenac, Ariège: groups of subhedral microcrystals **35:243**
- Pakistan**
Zagi Mountain, Northwest Frontier Province: single subhedral crystal **35:219**
- United States**
Nevada
Zapot pegmatite, Mineral County: brown metamict crystals to several mm **30:287**
Utah
Topaz Mountain Rhyolite (U-free and uranoan thorite) **26:TZ(59)**
- THORNASITE**
- Canada**
Quebec
Saint-Amable sill: prismatic beige crystals to 1.5 mm in natrolite **29:109**
- THOROGUMMITE**
- Mozambique**
Muiane mine, Alto Ligonha area: octahedral crystals, identity questionable **31:489**
- United States**
Maine
Havey #1, #2 quarries: crude embedded microcrystals **26:479n**
- THORTVEITITE**
- France**
Trimouns quarry, Luzenac, Ariège: yellowish white microcrystals **35:243**
- Norway**
Iveland: cigar-shaped crystals collected by John Jago **33:220**
Locality not specified: well crystallized **33:97**
- TIEMANNITE**
- Bolivia**
Pacajake mine, Potosí: compact masses with penroseite **34:355**

- United States**
Nevada
Gold Quarry mine, Eureka County: spongy masses to 2 mm **26:465**
- TIETITE**
- Russia**
Locality not specified **26:(494)**
- TILASITE**
- Italy**
Piemonte
Monte Cervandone, Novara: sharp microcrystals **27:149, 150p**
- TINTICITE**
- Sweden**
Leveäniemi mine, Svappavaara, Norrbotten **27:(209)**
- United States**
Nevada
Gold Quarry mine, Eureka County: lustrous crystals to 0.2 mm **26:461p, 465**
Utah
Tintic Standard mine, Utah County: pulverulent, in cave near mine **26:465**
- TINZENITE**
- Italy**
Liguria
Val Graveglia: rosettes in large veins, world's best specimens **32:374–375p, 376**
- TIRAGALLOITE**
- Italy**
Liguria
Val Graveglia: orange granules, crystals to 7 mm **32:375p, 376**
- TITANITE**
- Austria**
East Tyrol
Laperwitzbachgraben near Kals: fine gemmy fishtail twins **35:410**
- Brazil**
Locality not specified: gemmy single twinned crystal 2.5 x 7.5 cm **34:86n**
Minas Gerais
Capelinha: gemmy, lustrous thumbnail V-twins **32:54n**; fishtail twins to 12 cm on feldspar with epidote **32:57p, 58n**; large specimen **35:145n**
- Canada**
British Columbia
Silvana mine, Sandon: crystals frozen in rock **27:438**
Quebec
Saint-Amable sill: pale brown embedded crystal **29:109**
- France**
Trimouns quarry, Luzenac, Ariège: opaque pink crystals to 3.5 cm **35:243**
- Italy**
Liguria
Molinello mine, Val Graveglia: colorless crystals under 1 mm in chert **32:376**
- Madagascar**
Androy: yellow-green twinned crystals to 15 cm **30:39p, 41n**
Vohemar: large crystals with fluorapatite **30:150n**
- Pakistan**
Alchuri, Baltistan: yellow-brown crystals with epidote crystals **29:132n, 134p**
Dusso: 5.5-cm crystal with epidote on matrix **31:64p**
Zagi Mountain, Northwest Frontier Province: twinned crystals to 4 cm **35:219**
- Russia**
Dodo mine, Saranpaul, Polar Urals: brown clusters to 2.5 cm **26:227p, 229n**; **26:524p**; twinned crystals **27:389**; crystals to 16 cm, V-twins, several colors **30:440p, 442**; translucent yellow-brown twins to 1.5 cm **31:282n**
Puiva deposit, Subpolar Urals: sharp crystals to 12 cm, 3 habits **30:464–465p**; matrix plates to 15 cm with chlorite-dusted twins to 1 cm **31:282n**
Saranovskii mine, Saranui, Urals: yellow-green chromian, crystals to 1 cm **26:493n**; deep green chromian crystals **35:144, 146p**
- Spain**
Albatera-Hondón de los Frailes, Alicante: crystals to 1 cm **26:146n**
Antequera, Málaga **27:(103)**
Nueva Vizcaya mine, Burguillos del Cerro, Badajoz: pale brown crystals **33:498**
- Sri Lanka**
Kolonne, Uva Province: yellowish brown crystals to 4 cm **32:253n**
- United States**
Alaska
Green Monster Mountain, Prince of Wales Island: crystals to 8 mm **35:419**
California
Chickencoop Canyon, Tulare County: pale brown grains to 1 mm **34:165**
New York
Kingsbridge, Manhattan, New York City: small crystals in marble **28:463, 471**
Long Lake, Hamilton County: pink spear-shaped crystals to 1 mm **31:420–421p**
North Carolina
McKinney mine, Spruce Pine district: tiny lustrous crystals **27:290**
- TITANTARAMELLITE**
- United States**
California
Chickencoop Canyon, Tulare County: grains, microcrystals **34:163**
Trumbull Peak, Mariposa County: small dark brown crystals **30:416**
- TOBERMORITE**
- Russia**
Bazherovskoe **26:(493)**
- TODOROKITE**
- Canada**
Quebec
Saint-Amable sill: thin dendrites and crusts **29:109**
- Italy**
Liguria
Val Graveglia: component of "wad" **32:376**
- TOPAZ**
- FM-TGMS-MSA symposium on topaz **26:TZ63–71**
Inclusions in faceted gem topaz from Brazil (abstract) **31:180**
Mineralogy, geology and occurrence of topaz **26:TZ5–53** (Topaz Special Issue)
Theme species of 1996 Denver Show **28:61**
Theme species of 1997 Springfield Show **28:505**
- Argentina**
Catamarca Province **26:TZ18g**
Papachacra, Catamarca **31:(99)**
Rumi Tucu mine near Papachacra, Belén, Catamarca: **26:TZ16–17c.g.p**; color-zoned crystals **26:TZ38**; pale blue, with fluorite **30:41n**
- Australia**
Aberdeen **26:TZ70d**
Cow Flat **26:TZ70d**
Eastern Australia **26:TZ14g**
- New South Wales
Emmaville **26:TZ(28)**
- Queensland
Mount Garnet region: gem crystals **26:TZ13**
Mount Gibson **26:TZ18g**
- Tasmania
Mt. Bischoff: acicular crystals **26:TZ38**; **26:TZ70d**
- Victoria
Near Eldorado: microcrystals **26:TZ13**
- Western Australia
Poona **26:TZ(28)**
- Western Tasmania **26:TZ19g**
- Austria**
Untersulzbachtal, Salzburg **26:TZ14, 19g**; transparent crystals to 1 cm **26:TZ35**
- Brazil**
Bahia
Brumado: **26:TZ14g, 26:TZ19g**; pink to orange crystals on quartz **26:TZ35g.p**; fine crystals to several cm **31:181**
Espírito Santo
Mimoso do Sul mine, Santa Teresa, Espírito Santo: multicolored crystals to 350 kg weight **26:TZ23**; **26:TZ27p**; rare green crystals, color-zoned crystals **26:TZ38**; intergrowth with smoky quartz **26:TZ44p**; clear crystals in parallel growth to 12 cm **26:490n**
Muqui: world's largest topaz crystal **26:TZ41**
Santa Teresa **26:TZ18g**
- Minas Gerais
Barra de Salinas: perfect blue crystals **33:215**
Locality not specified **26:TZ6p, 26:TZ14, 18g**
Ouro Preto: **26:TZ14, 19g**; multicolored "imperial" topaz **26:TZ33p, 34, 38**; crystal forms of "imperial" topaz **26:TZ38**; purple-magenta crystals **27:217n**
Rodrigo Silva area near Ouro Preto: "imperial" crystals to 5 cm **26:489n**
Santa Maria do Itabira: gemmy crystals to 270 kg **26:TZ41**
Teófilo Otoni area: giant Smithsonian crystals **26:TZ41p**
Virgem da Lapa pegmatites west of Araçuaí: spectacular gemmy blue crystals to 25 cm **26:TZ23,c.g**; **26:TZ26, 27p**; very dark blue crystals **35:160n**
- Xanda mine, Virgem da Lapa: 18-cm blue crystal **28:450p**; gemmy blue 40-cm crystal displayed at Tucson 2000 **31:283**
- Rio Grande do Norte
Locality not specified: 220 and 250-kg crystals **26:TZ41**
- China**
Wah Tu Wah mine, Gaoli Gong Shan, Yunnan: pale brown gemmy crystals to 10 cm **31:194p, 195n**
- Czech Republic**
Fribus, Bohemia **26:TZ70d**
Pisek, Bohemia **26:TZ70d**
- England**
Cornwall
Locality not specified: **26:TZ14, 19g, 26:TZ34, 35d**
Maudlin mine: topaz crystal with siderite **26:TZ35**
- Finland**
Luumäki, southeast Finland **26:TZ18, 19g**; frozen in pegmatite **26:TZ44**
Viitaniemi pegmatite, Eräjärvi: germanium-bearing topaz **26:TZ28**
- France**
Montbelleux **26:TZ70d**

Germany

- Ilmengebirge **26:TZ70d**
 Rheinland-Pfalz
 Bellerberg quarry, Laacher See, Eifel: small transparent crystals **26:TZ32**
 Laacher See, Eifel **26:TZ14, 19g, 26:TZ32d**; microcrystal sprays **26:TZ38**
 Upper Saxony
 Altenberg, Erzgebirge (granular-columnar "pyncnite") **26:TZ44, 26:TZ70d**
 Erzgebirge district **26:TZ14, 18g, 26:TZ29g**
 Saubach, Vogtland: 4.5-cm pseudomorph after orthoclase **30:96p**
 Schneckenstein: **26:TZ6p**; gemmy yellow crystals **26:TZ29, 30c,g,h,p, 26:TZ38**; old Gigot d'Orcy specimen **30:96p**

Ireland

- Mourne Mountains **26:TZ14, 16, 18g, 26:TZ44**

Japan

- Mino **26:TZ70d**
 Naegi Granite, Gifu and Shiga Prefectures **26:TZ18g**; color-zoned **26:TZ38**
 Omi **26:TZ70d**

Madagascar

- Central Madagascar granites **26:TZ18g**

Mexico

- Central Mexican rhyolites **26:TZ10–14d,g,p, 26:TZ18g**; crystal forms **26:TZ38**
 San Luis Potosi
 Locality not specified: hematite-included topaz **26:TZ38**
 Tepetate **26:TZ11p**
 Zacatecas
 Locality not specified **27:215p**

Mongolia

- Hentiy Province **26:TZ18g**

Mozambique

- Alto Ligonha area: **26:TZ18g**; crystals to over 1 meter, gemmy colorless and blue crystals **31:489p**
 Naipa pegmatite, Alto Ligonha: 15-cm crystal **33:260n**

Myanmar (Burma)

- Mogok: **26:TZ18g**; colorless 4.8-cm crystal **30:41n**

Namibia

- Erongo Mountain, 20 km north of Usakos: euhedral crystals with aquamarine **32:64**
 Erongo Mountains: transparent crystals to 2 cm with schorl and feldspar **32:60n**
 Klein Spitzkopje: **26:TZ14g, 26:TZ16c,g, 26:TZ18g**
 Omoruru, Erongo Mountains **31:(99)**

Nigeria

- Jos Plateau: **26:TZ18g**; with cassiterite in tin placers **26:TZ46**

Norway

- Fossum, near Modum: large crystals **26:TZ28**; "pyncnite" **26:TZ44**
 Iveland, Saetersdalen: 60-cm crystal **26:TZ28**
 Minne **26:TZ70d**

Pakistan

- Dassu, Baltistan: with stellerite **26:497**; with smoky quartz **28:191p**; gemmy orange on quartz and albite **31:60p**
 Drot Balachi area south of Shingus: crystals to 10 cm **26:TZ23**
 Dusso, Skardu area, Gilgit Division: **26:TZ22, 23, 26:TZ24p**; equant forms **26:TZ36**; color-zoned crystals **26:TZ38, 39**; with beryl **26:TZ40p**
 Ghundao Hill, Mardan district: **26:No. 1 (cover)**; 8-cm matrix specimen (same as on cover of Topaz Special Issue) **31:61p**
 Gilgit Division: **26:TZ18, 22g, 26:TZ24p**
 Haramosh massif: **26:TZ23g**

Kashmal, between Dusso and Shigar: gemmy crystals with aquamarine **26:TZ23**

Katlang, Mardan district: **26:TZ19g**; pink Cr-bearing gem crystals **26:TZ35**; golden crystal on matrix **31:No. 1 (cover)**

Locality not specified: perfect golden-brown crystals with muscovite blades **34:86n**

Mardan: **26:TZ14**; strong development of {010} **26:TZ38**

Nyit Bruk mine, Dusso, Skardu area: exceptional colorless to sherry-colored crystals **26:TZ22**

Sabsar, Rhondu district, Northern Areas: tiny colorless crystals with hydroxyl-herderite **32:60n**

Shengus area, Gilgit division: sherry-colored crystals with Herkimer-like quartz **26:497n**

Shigar (Dusso?): on aquamarine **26:TZ40p, 28:194p**

Shingus area: waterclear drusy crystals on schorl, aquamarine **26:TZ23**

Stak Nala: colorless, gemmy crystals with elbaite, schorl **26:TZ23**

Yuono village, Shigar Valley, Skardu: exceptional gemmy sherry-brown crystals to 10 cm **35:155n**

Russia

Adui River district, Ekaterinberg, Ural Mts.: **26:TZ28g, 26:TZ67g**

Adun Chilon, Nerchinsk district, Siberia: **26:TZ6p**; fine gemmy crystals in greisens **26:TZ30–32,c,d,g,h,p**; "white-capped" crystals **26:TZ39p**; with beryl **26:TZ45**; yellow and blue crystals to 6.4 kg weight **32:45**

Alabashka, Mursinka, central Ural Mts.: **26:TZ18g, 26:TZ67h**; color-zoned crystals **26:TZ39**; fine crystals to 30 cm **26:TZ67, 68d,g,h, 26:MB111d, 26:525p**; fine blue crystals **31:183**

Miass: **26:TZ70d**

Mokrusha and Kazjonnitsa mines, Mursinka, Ural Mts.: large blue gem crystals **26:TZ19–22c,d,g,h,p, 26:TZ67–69c,d,g,h**

Mt. Makrusha, Alabashka, Mursinka, Ural Mts.: **26:TZ6p**

Mursinka, Ural Mts.: **26:TZ6p**; equant forms **26:TZ36**; with beryl **26:TZ45, 26:532p**; 5.6-cm blue crystal on smoky quartz **31:62p**

Nerchinsk district, Siberia: **26:TZ6p, 26:TZ70d**
 Sanarka River, Orenberg (near Miass), southern Ural Mts.: **26:TZ6p, 26:TZ19g**; gemmy alluvial crystals to 6.25 cm **26:TZ34g,d,p**; crystal habits **26:TZ38**; rich purple-red crystals **26:TZ38, 26:533p**

Sherlova Gora, Nerchinsk district, Siberia: fine gemmy crystals in greisens **26:TZ30–32,c,g,h,p**; intergrown with aquamarine **26:TZ45**; white to transparent, doubly terminated crystals with smoky quartz **32:45**

Takovaya: **26:TZ70d**

Transbaikalia, Siberia: **26:TZ14g**

Ural Mountains: on smoky quartz **34:86**

Urulga River area, Transbaikalia, Siberia: **26:TZ18g**; gemmy, sherry-colored crystals to 12 cm **26:TZ22**

Scotland

Aberdeen: **26:TZ70d**

Cairngorm Mountains: **26:TZ18g**

Sweden

Falun, Dalarna ("physalite" or "pyrophysalite") **26:TZ44**

Finbo ("physalite" or "pyrophysalite"): **26:TZ44**
 Gundlebo mine, Väne Ryr near Göteborg: yellowish, non-gemmy crystals **26:TZ28**

Switzerland

Val Lugnez, Grisons: **26:TZ14, 19g**; colorless prisms to 1 cm **26:TZ35**

Tajikistan

Pamir pegmatites: blue and champagne-colored crystals to 8 cm **32:45**

Ukraine

Volodarsk-Volhynia: large gemmy crystals, various colors **26:TZ16–19c,g**; short-prismatic habit **26:TZ36**; color-zoned crystals **26:TZ38, 39p**; relations with beryl **26:TZ46**; champagne to blue to bicolored crystals to many kg weight **32:45**

United States**Alabama**

Cragford district: trace topaz in sulfide-quartz veins **26:TZ64**

McAllister deposit, Coos County: **26:TZ(64)**

Rockford: topaz grains in sediments **26:TZ64**

Alaska

Lost River: **26:TZ14g**

California

Little Three mine, Ramona district, San Diego County: gemmy pale blue to sea-green crystals **26:TZ23c,h, 26:TZ25p**; color variations **26:TZ38, 26:TZ66d,h**; large gemmy crystals resembling Russian topaz **33:398–401h,p**

Maple Lode mine, Aguanga Mountain district, San Diego County: gemmy blue and pale green crystals **26:TZ66g,h**; gemmy crystals with elbaite **33:371–373h**

San Diego County: **26:TZ14g, 18g**

Ware mine, Aguanga Mountain district, San Diego County: **26:TZ(23)**; gem topaz **26:TZ66g,h**; pale blue gemmy crystals **33:371h, 372p**

Colorado

Badger Flats (Boomer mine), Pikes Peak batholith: **26:TZ65**

Brown Derby No. 1 pegmatite, Gunnison County: crystals to 1.2 meters long **26:TZ12, 44**; crude milky white crystals **26:TZ65**

California mine, Mount Antero: **26:TZ65**

Chief pegmatite near Devils Hole, Fremont County: **26:TZ65**

Climax and Henderson deposits: **26:TZ65**

Mount Antero, Chaffee County: **26:TZ46**; crystals to 7.5 cm **26:TZ65**

Nathrop: **26:TZ6p, 26:TZ65d**

Pikes Peak: **26:TZ14g, 26:TZ18g, 26:TZ65g,c,d**; short-prismatic habit **26:TZ36, 26:TZ46g**; notable topaz localities in Pikes Peak district **26:TZ65d**

Ruby Mountain, Nathrop, Chaffee County: **26:TZ18g**; crystals less than 1 cm with spessartine **26:TZ65**

South Platte district, Pikes Peak batholith: crude crystals to 60 cm **26:TZ65**

Sweet Home mine, Park County: microcrystals **29:SH122**; inclusions in quartz **29:SH141**

Tarryall Mountains: **26:TZ38, 44**

Connecticut

Long Hill mine, Trumbull: gem-quality blue crystals **26:TZ32**

Trumbull: **26:TZ14g, 26:TZ19g, 26:TZ64d**

Georgia

Graves Mountain: topaz in trace amounts **26:TZ64**

Virginia Beach, Etowah River: detrital grains in sediment **26:TZ64**

Williams mica mine, Lumpkin County: coarsely crystalline **26:TZ64**

Idaho

Camas Creek, Clark County: tiny alluvial crystals **26:TZ66**

China Cap rhyolite cone, Caribou County: microscopic crystals **26:TZ65**

- Crags batholite: crystals in cavities **26:TZ65**
 Dismal Swamp, Elmore County: alluvial crystals to 3 cm **26:TZ65**
- Paddy Flat, Valley County: fragment of crystal found in gold placer **26:TZ66**
- Sawtooth batholith: fine crystals frommiarolitic cavities **26:TZ66**
- Sawtooth Range **26:TZ14g**, **26:TZ16**, 17c,g,h,p, **26:TZ18g**; color-zoned crystals **26:TZ38**, 39; pseudomorphs of topaz & quartz after microcline **26:TZ42p**; relations to beryl **26:TZ46**
- Maine**
 Fisher quarry, Topsham: etched blue crystals **26:TZ64**
 Lord Hill quarry, Stoneham: 47-cm blue crystal **26:TZ64**
 New Hampshire Plutonic Series, Oxford and Sagadahoc Counties: **26:TZ18g**, **26:TZ64g**
 Pulsifer pegmatite, Auburn: rare blue crystals in cavities **26:TZ64**
- Nevada**
 Zapot mine, Hawthorne, Mineral County: colorless to pale blue gem crystals to 7 cm **27:216n**; gem-quality colorless, yellow, blue, bluish green crystals to 8 cm **30:287–289p,q**; sharp, gemmy blue crystals to 24 cm on feldspar **31:273n**, 274p; **32:(53)**
- New Hampshire**
 Bald Mountain, Ossipee complex **26:TZ(64)**
 Conway Granite, Carroll and Coos Counties: **26:TZ18g**; zoned crystals **26:TZ38**
 Coos County: etched crystals to 13.5 cm **26:TZ40p**
 Government pit, Moat Mountain **26:TZ(64)**
 Green's Ledges, Pilot-Pliny complex **26:TZ(64)**
 Lovejoy pit, Moat Mountain **26:TZ(64)**
 South Baldface Mountain, White Mountain batholith: euhedral crystals **26:TZ64d**
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Yellow-green powdery bismuth mineral, Boqueirãozinho pegmatite, Rio Grande do Norte, Brazil **29:196**

“URALITE”

Amphibole pseudomorph after pyroxene; see also Actinolite

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Green Monster Mountain, Prince of Wales Island: dark green 2-cm crystals in large groups **35:393**

Colorado

Calumet mine, Salida **35:(393)**

URANINITE

Afghanistan

Nuristan: lustrous 5-cm crystal on matrix **33:84p**

Mozambique

Alto Ligonha area: in pegmatites with rare-earth oxides **31:489**

United States

Maine

Swamp #1 quarry (Trebilcock occurrence), near Topsham: mirror-faced cuboctahedrons **26:479n**; loose, sharp, lustrous crystals to 2 cm **30:216n**

Nevada

Gold Quarry mine, Eureka County: grains to 2 microns **26:466**

Zaire

Shinkolobwe mine, Katanga: sharp, dull black, simple cubes to 2 cm **30:221n**

URANIUM MINERALOGY

See also names of species

Karnes uranium district, south Texas (abstract) **27:26**

URANMICROLITE

Mozambique

Naipa pegmatite, Alto Ligonha area **31:(489)**

United States

California

Himalaya mine, San Diego County: dark brown inclusions in quartz, elbaite **33:396**

URUGUAY

Locality not specified (amethyst geodes) **34:86n, 87n**

UTAH

Collector's Guide to Rock, Mineral, & Fossil Localities of Utah, A, James R. Wilson **27:310b**

Big Indian mine near La Sal, San Juan County **26:486s**

Bingham copper mine **26:486s**

Box Elder County **29:137s**

Bromide mine, Henry Mountains, Wayne County **35:152s**

Cedar City, Iron County **31:194–195s, 31:275s**

Centennial Eureka mine, Juab County **26:478s, 28:175–179**

Central Utah: red beryl properties leased **26:TZ71**

Clay Canyon near Fairfield **26:486s**

Creole mine, Beaver County **26:486s**

Cubic claim, northern end of Thomas Range **26:126, 26:486s**

Dexter No. 7 mine **31:174s**

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Gold Hill mine, Tooele County **31:301–302g,h**

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Hidden Treasure mine, Tooele County **26:147s, 26:486s**

Horse Canyon, San Juan County **26:486s**

Iron Springs district, Iron County **35:143s**

Lookout Pass, Tooele County **26:486s**

Lucin Hill, Lucin County **32:301s**

Maynard claim, Thomas Range **26:218s, 26:486s**

Mercur mine, Tooele County **34:90g,h**

Parco mine group, Thomspon district, Grand County **26:486s**

Pelican Point, Lakeside Mountains **27:59h, 27:220s**

Pismire Knolls **26:123**

Pismire Wash, Thomas Range **26:486s**

Starvation Canyon, 2 miles northwest of Topaz Valley **26:123**

Thomas Range **26:TZ10–12g,p, 26:TZ18g, 26:TZ57–59g,m,p, 26:TZ67g, 28:416s, 30:41s, 30:49s, 31:298h, 33:185s**

Tintic Standard mine, Utah County **26:465s**

Tooele (near) **33:73s**

Topaz Mountain Rhyolite (10 collecting sites) **26:TZ58m, 59q**

Topaz Valley **26:123–128ff**

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Violet claims, Wah Wah Mountains **26:579h**

Wah Wah Mountains **26:TZ10s, 18g, 26:147s, 28:64h**

UTAHITE

United States

Utah

Centennial Eureka mine, Tintic district, Juab County: **28:175–179p,q**

UVAROVITE

India

Maddur, Karnataka: small glassy crystals in schist **34:149**

Russia

Sarany, Urals: microcrystals on chromite **27:221**

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See also Tourmaline Group

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Brumado, Serra das Éguas: sharp black, green, red crystals to 5 cm **31:181**

Myanmar (Burma)

Locality not specified: green “chrome-uvite” is vanadian uvite **26:156g,q**, **26:496q**

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225th St., Manhattan, New York City: brown crystals to 2.5 cm in marble **28:470p**
Pierrepont, St. Lawrence County **27:(147)**

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Formerly USSR

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San José mine, Oruro: 1-cm terminated blades with sulfides **28:60n**

Tatasi: crystals to 1 cm in cluster **28:454p**, **32:470p**

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Lac Nicolet mine, South Ham: crystals in 6 habits to 1 cm **27:129–132c,d,p,q**

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Rudabánya: crystals to 1.5 mm encrusting stibnite **32:123p**, 157

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Sankt Joannis von Nepomuceni mine, Annaberg: crystals to 3 mm **29:184**, 188, 187p

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Chihuahua

Erupción/Ahumada mine, Los Lamentos district: lustrous, elongated brown crystals of "endlichite" to 3 cm **34:LL24–25p**

San Carlos **26:(578)**

Durango

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Michelle prospect, Rayon: deep orange pyramidal crystals **30:41n**, 43p

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ACF mine, Mibladen: clean, lustrous prisms to 3 cm, red to brown **29:216n**, 218p; thousands of specimens with vivid crystals to 1.5 cm **32:59n**; on Mn oxide-coated barite **32:251p**; brilliant crystals to 3.5 cm on white barite **35:254n**

Boulmaden, Mibladen, Midelt: curved "plume" specimen 15 cm long **27:211p**, 212n

Coud'a shaft, Mibladen: hopped crystals to 5 cm **33:265n**

Locality not specified: crystals on barite **34:87n**
Mibladen: abundant supplies **32:488ff.**, 491p; very fine specimens **33:86n**; crystals to 2 cm **33:99n**; abundant supplies in Munich **33:255n**; crystals to 2 cm on barite **35:157n**

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Abenab mine, Otavi Mountain Land: red crystals, world's largest **28:119p**, 120–122p; 14-cm crystal in large group **28:420**

Abenab West mine, Otavi Mountain Land: gemmy crystals to 1.3 mm **28:123**

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Uitsab mine, Otavi Mountain Land: beautiful crystals **28:128**

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Transvaal

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Gerty mine, Badajoz: gray/yellow/green crystals to 5 mm in large groups **27:381–384c,g,h,p**

United States

Arizona

Brick 3 (Finch) mine, Gila County: lustrous brown crystals to 4 mm, coatings on wulfenite **26:446p**, 447p, 448

North Geronimo (Pure Potential) mine, La Paz County: brilliant blood-red crystals to 3.7 cm **27:366–372p**; vivid, hopped crystals to 1.5 cm **28:203p**, 204n; **30:(40)**
Pure Potential (formerly North Geronimo) mine, La Paz County: bright crystals to 5 mm covering matrix **26:147n**, 148p; loose hopper crystals to 3 cm **26:215n**; lustrous crystals on matrix specimens to 25 cm **26:476n**; **32:(332)**

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Montana

Johnny Gulch, Broadwater County: bright red crystals to 1 mm **31:511n**

North Home mine, Broadwater County: acicular orange-brown crystals to 8 mm in subparallel bundles **35:152n**

Nevada

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Zaire

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Gold Quarry mine, Eureka County: microcrystals, pure and ferrian **26:466p**

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"VARLAMOFFITE"

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VAUXITE

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Gold Quarry mine, Eureka County: crystal rosettes to 50 microns **26:466**

VESUVIANITE

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Victoria

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 Minerva #1 mine, Hardin County: pseudo-hexagonal crystals to 12 cm **28:44–45p**
 Ozark-Mahoning #1 mine, Hardin County: crystals **28:44–45**
 West Green mine, Hardin County: crystals **28:44–45**

WITTICHENITE

Russia

Nikolaevskiy mine, Dal'negorsk, Primorskiy Krai: microscopic masses **32:29**

WODGINITE

Brazil

Minas Gerais
Linopolis: sharp twinned crystals to 2 cm **27:449n, 454p**
Sapucaia do Norte, Galileia: rough twins to 6 cm **30:52n**

WÖHLERITE

Italy

Campania
Mte. Somma/Vesuvius: yellow-brown microcrystals **27:459p, 460**

WOLFRAMITE

Bolivia

Cerro Rico de Potosí, Potosí: crystals, probably ferberite **30:34**

China

Yaogangxian mine, Hunan: fine cabinet specimens **32:61p**

Peru

Julcani mine, Huancavelica Dept.: crystals to 1 cm with gold microcrystals **34:251**
San Cristobal district, Junin Dept.: bladed pseudo-hexagonal twins to 2.5 cm, stubby crystals with pyrite **28:P77**

WOLLASTONITE

Mexico

Coahuila
Sierra de Cruces: small grains in skarn **34:LL76**

Russia

Dal'negorsk, Primorskiy Krai: common component of skarns **32:29**

United States

California
Chickencoop Canyon, Tulare County: crystalline vein mineral **34:165**

WOODRUFFITE

Canada

Quebec
Saint-Amable sill: submetallic black 1-mm spheres **29:112**

Mexico

Durango
Ojuela mine, Mapimí: 6-mm spheres with adamite in Fe oxides **34:OJ85**

WROEWOLFEITE

Italy

Liguria
Gambatesa mine, Val Graveglia: in tinzenite vein with chalcocite **32:377**

Sweden

Bastnäs mines, Västmanland: sharp blue crystals to 2 mm on cuprite **35:198p**

WULFENITE

F.X. Wulfen's original description (Antiquarian Reprint) **28:442**

History of early descriptions of type material (Annaberg, Austria) **29:188**

Australia

New South Wales
Kintore opencut, Broken Hill: varicolored crystals to 8 mm **27:377c,d, 379p**
Victoria
Benambra: yellow crystals to 1 mm in chrysocolla **26:111p, 112**

Austria

Lower Austria
Sankt Joannis von Nepomuceni mine, Annaberg: yellow to orange crystals reaching 1 cm **29:187p, 188**

Bolivia

Pacajake mine, Potosí: pale yellow tabular crystals, ID not confirmed **34:355**

Canada

Quebec
Saint-Amable sill: acicular crystals to 0.8 mm on galena **29:112**

Chile

Chapacase mine, Antofagasta region: bright red thick-tabular or bipyramidal crystals to 5 mm **35:153n**

Congo (People's Republic)

M'Fouati mine, Mindouli district: 1-cm crystals coated with drusy quartz **28:416n**; thick crystals to 3 cm with partial drusy quartz coatings **34:92n**

Reneville: yellow with diopside **27:144**

England

Somerset
Higher Pitts mine, near Priddy: rough crystals to 3 cm **27:256**

Iran

Nakhlak mine, Anarak: crystals to 5 mm with cerussite **32:253n**

Italy

Liguria
Val Graveglia: tabular yellow crystals to 1 mm **32:377**

Kazakhstan

Ayaguz: blood-red crystals to 1.5 mm **26:524p**
Sortuz: bright red-orange crystals to 5 mm in gossan **33:97n**

Mexico

Chihuahua
El Potosi mine, Santa Eulalia: yellow crystals with mimetite **31:278p**

La Aurora mine: orange gemmy crystals to 1.5 cm **27:138p, 144n**; crystals to 3 cm on matrix **27:216n**; **28:58p**; crystals to 2.1 cm in clusters **31:512p**

Los Lamentos: gemmy crystals **26:578**; tabular butterscotch crystals to 1.5 cm on gossan **29:136n**; complete description of occurrence **34:LL25-31h,p**

San Carlos mine, Manuel Benavides: bright, gemmy crystals to 1 cm **28:417n**

San Pedro Corralitos: thin, transparent yellow crystals to 3 cm **35:GU15-17p**

Durango

Ojuela mine, Mapimí: fine tabular crystals to 5 cm, varied colors **34:OJ85-86p, 88**

Sonora

Michelle prospect, Rayon: bright orange clusters to 5 cm on matrix **30:39p, 41n**

San Francisco mine, Cucurpe: 9-cm group with mimetite **26:151p**; **26:(222)**; new specimens with 3-cm paper-thin crystals **26:496h**; transparent orange crystals to 2.5 cm with mimetite **32:56-57n**; huge pocket destroyed **32:335**; large specimens to 15 x 25 cm **34:90**; complete description, history of occurrence **35:GU41-61h,p**

Morocco

Be Platin mine: yellow crystals in miniature groups **34:186n**

Locality not specified: thick yellow crystals **34:87n**

Touissit mine, Oujda: orange, yellow crystals to 3 cm with cerussite **28:64n**

Namibia

Abenab West mine: 2-mm vanadian crystals with willemite **28:124**

Guchab: white crystals to 1 cm on descloizite **28:127p**

Khusib mine: pale yellow aggregates on tennantite **28:126p, 128**

Tsumeb: purplish-orange thumbnail crystal **27:456n**

Spain

La Montañesa mine, Madrid: microcrystals with plumbogummite **31:286n**

Minillas del Hambrem near Quentar, Granada: yellow crystals to 5 mm **26:146n**

United States**Arizona**

Brick 3 (Finch) mine, Gila County: tabular crystals to 2 cm coated by drusy quartz **26:446p, 447p, 448**

Castle Dome district, Yuma County: good yellow, orange, greenish yellow crystals from several district mines **29:456-457p**

Defiance mine, Gleeson: specimen accidentally destroyed **32:333**

Lead-Silver 7 mine, Gila County: small crystals with vanadinite, descloizite **26:448**

North Geronimo (Pure Potential) mine, La Paz County: red-orange crystals to 2 cm with mimetite, vanadinite **27:372p, 32:332h**

Pure Potential (North Geronimo) mine, La Paz County: fine pink-red crystals with vanadinite **32:332h**

Purple Passion mine, Yavapai County: small crystals, various colors, habits **31:328-330p**

Red Cloud mine, Yuma County: mining resumed in 1994 **26:476n**; bright red-orange tabular crystals to 2.5 cm **27:213n, 214p**; **27:No. 5 (cover)**; many new, specimens found in 1996 **27:347-354g,h,m,p**; thumbnail crystals **27:390n**; large pocket hit in 1996 **27:452n**; abundant specimens **28:57-58n**; 4.4-cm specimen with quartz **31:77p**; 8-cm matrix specimen **31:78p**; fabulous specimens brought out by Over and Montgomery **31:298**; collected by Ed McDole **33:72**; crystals to 3 cm on matrix plates to 25 cm **34:90n**; crystals to 2.5 cm on quartz from "Red Gem Pocket" **35:151-152n**

Rowley mine, Maricopa County: gemmy orange, yellow crystals to 1.6 cm **28:65n**; collected by Ed McDole **33:72**

79 mine, Gila County: thin "windows" to 2.5 cm, thicker orange crystals **33:261n**

Tiger **26:(578)**

California

Shirley Ann claim, Inyo County: tabular crystals to 3 mm, many habits **32:399p**

Montana

Butte, Silver Bow County: dark brown 1-mm crystals **33:63**

Lone Mountain, Broadwater County: crystals to 5 mm **31:511n**

New Hampshire

William Wise mine, Westmoreland: 1-mm crystals on quartz **26:482n**

New Mexico

Hickey #1 mine, Hansonburg district, Socorro County: butterscotch crystals near 1 cm **30:343p, 344**

Ora mine, Hansonburg district, Socorro County: crystals to 3 mm on quartz **30:344**
Snake Pit adit, Hansonburg district, Socorro County: transparent microcrystals with coronadite **30:344**

Utah

Box Elder County: old specimen resembling Red Cloud wulfenite **29:137**

GENERAL INDEX

Uzbekistan

Sidjak (Sedjak): small orange-red crystals **26:493n**; nearly equant red-orange crystals to 2 cm **33:97n**

Zaire

M'Fouati: yellow-orange dipyrnidal crystals to 3.5 cm, quartz-coated **28:65n**

WURTZITE

Bolivia

Animas Vein, Chocaya, Potosí: crystal aggregates to 7 cm **28:136n**

Cerro Rico de Potosí, Potosí: sharp hexagonal platelets to 2 mm **30:34**

Siglo XX mine, Llallagua: 1.5-cm crystals **30:52n**; 1.2-cm crystal cluster **32:471p**

Canada

Quebec

Mont St.-Hilaire: resinous brown microcrystals **32:403, 404**

France

Le Malenes mine: 2-mm hexagonal plates with sphalerite **26:494n**

Greece

Agios, Philippos: amber-colored microcrystals **26:494n**

Italy

Tuscany

Carrara quarries **31:(510)**

Peru

Huanzala mine, Huanuco Dept.: bright metallic black crystals to 1 cm on matrix **29:213n**; dark brown hexagonal crystals to 1 cm with barite **34:244p**

Quiruvilca district, La Libertad Dept.: honey-orange, with chalcopryrite **28:P27**

Russia

Dal'negorsk, Primorskiy Kraj **32:(29)**

Talnach, Noril'sk, Siberia: **26:(228)**; crude columnar crystals to 3 cm **26:493n**

United States

Montana

Butte, Silver Bow County: Butte "wurtzite" really sphalerite **33:62–63**

Zaire

Kipushi mine, Shaba **26:191**

WYOMING

Atlantic City iron mine, South Pass, Fremont County **32:248h**

Green River **26:486s**

Paintbrush Drive, Gillette, Campbell County **26:486s**

Westvaco mine **26:201s**

GENERAL INDEX

XANTHOCONITE

Bolivia

Cerro Rico de Potosí, Potosí: 1-mm platelet with pyrostilpnite, pyrargyrite **30:34**

Hungary

Rudabánya: irregular aggregates to 2 mm **32:157**

Morocco

Imiter mine: microcrystals with imiterite **35:154n**

"XANTHOPHYLLITE"

See Clintonite

XENOTIME-(Y)

Brazil

Bahia

Ibiajara: cloudy brown crystals to 1 cm **26:490n**; lustrous yellow-brown terminated prisms to 5 cm **33:87n**

Ibitiara: rich brown thumbnail-sized prismatic crystals with rutile **28:60n**

Novo Horizonte: prismatic brown crystals to 1.6 cm **26:221p, 223n**

Piata: gemmy crystals to 7 mm **26:490n**

Minas Gerais

Sapucaia pegmatite, Galiléia: small orange bipyramidal crystals **30:360**

France

Trimouns quarry, Luzenac, Ariège: translucent brown microcrystals **35:244d,p**

Mozambique

Alto Ligonha area: xenotime-(Y) in pegmatites **31:489–490**

Pakistan

Locality not specified **35:(145)**

Torghar, Northwest Frontier Province: pale brown prismatic crystals to 4 cm **35:255n**

Zagi Mountain, Northwest Frontier Province: beautiful 2-cm crystal on matrix **34:188n**; lustrous prismatic compound crystals to 6 cm **35:219–220p,q**

Russia

Dodo deposit, Subpolar Urals: prismatic xenotime-(Y) crystals to 1 mm **30:442**

United States

Maine

Havey #1,#2 quarries: xenotime-(Y) in small distorted crystals **26:479n**

Nevada

Gold Quarry mine, Eureka County: tiny grains **26:466**

North Carolina

Rist and Ellis tracts, Hiddenite: sharp crystals to 2 mm on quartz **32:139p, 140**

XOCOMECATLITE

United States

Utah

Centennial Eureka mine, Juab County **26:(478), 28:(177)**

XONOTLITE

United States

Maryland

Hunting Hill quarry, Rockland: sprays to 2.5 cm **30:467n**

GENERAL INDEX

YANOMAMITE

Brazil

Goiás

Mangabeira tin deposit: yellow-green crystals in quartz-topaz greisen **26:490n**

YOFORTIERITE

Canada

Quebec

Saint-Amable sill: tufts, spherical aggregates of fibrous crystals **29:111p, 112q**

YTROCOLUMBITE-(Y)

Mozambique

Alto Ligonha area: lustrous black, in unspicified pegmatite **31:490**

YUGAWARALITE

India

Malad quarry, Bombay, Maharashtra: colorless bladed crystals to 4 cm in parallel bundles **28:209n**; lustrous, transparent crystals to 5 cm **34:62–63d,p; 34:70**

Patanwadi quarry, Bombay, Maharashtra **34:(63)**

Japan

Izu peninsula near Kawazu, Shizoka Prefecture: transparent crystals to 1 cm **26:495n**

United States

Alaska

Chena Hot Springs Road near Fairbanks: sharp blades to 2 cm on quartzite **31:276n**

YUKON TERRITORY

Big Fish/Rapid Creek **26:147s, 30:49h, 33:86s, 34:91s**

Gun Claims, Pelly River, Itsi Range **34:159s, 163s, 164s**

Husky mine near Mayo **27:216h, 30:239s, 34:91h**

Klondike gold field **35:61h**

Ross and Pelly Rivers headwaters **30:4111s, 415s**

Sceptre claims, Emerald Lake, Hess Mountains **26:222s, 26:491s, 26:578g**

Tagish Lake **34:330s**

Tombstone Mountains **34:164s**

YUKONITE

Spain

Mazarrón-Águilas district, Murcia: reddish brown veinlets, spheroids, pseudomorphs **34:330–331p,q**

YUKSPORITE

Locality not specified **26:(144)**

YVONITE

France

Salsigne, Aude: pale blue microcrystals on arsenopyrite **28:60n**

ZAIRE

See also Congo

Into the heart of darkness: searching for minerals in the Democratic Republic of the Congo **33:473–487h,m,p**

Dikuluwe mine, Kolwezi, Katanga **26:579s, 30:h,m**
Goma **35:154s**

Kabolela mine, Katanga **26:499s, 30:264s, 34:282h**
Kakanda mine, Katanga **30:265s**

Kambove mine, Katanga **30:257h,m, 260s, 33:77s**
Kamfundwa open pit mine, Katanga **32:252h, 33:266s**

Kamoto mine, Katanga **27:144s, 30:257h,m**
Kamoto-Fond mine, Katanga **28:417s, 29:132s, 30:260s, 33:266s, 33:481h**

Kamoya II mine, Katanga **33:265s, 266n, 273n; 33:481s**

Kasompi mine, Katanga **30:264s**
Katanga (Shaba) Crescent region **26:163–164g,h,m; 30:255–267g,h,m,p, 30:269–273q**

Katongo, Katanga **26:225s**
Katonto, Katanga **26:225s, 26:499s**

Kipushi mine, Shaba **26:163–192g,h,m,p; 30:261s**
Kolwezi Klippe, Katanga Crescent **30:257h,m, 264s**

Luena (corrected from “Katonta”), Katanga **28:209s**

Luishia open pit, Katanga **30:260s**
Mashamba mine **26:146s, 30:257h,m; 33:481–482h**

Mashamba West, Kolwezi, Katanga **27:144s, 30:261s, 265s, 31:36s, 32:124, 33:77s**

Mbujji-Mayi **33:258s, 35:13h**
M’Fouati **28:65s**

Mindigi mine, Katanga **30:258p, 261s, 264s**
Molongoie mine **33:77s**

Musonoi Extension mine, Kolwezi, Katanga **33:483s**

Musonoi mine, Kolwezi, Katanga **26:499s, 30:257h,m, 260h, 31:65s, 33:258s, 260s; 33:484s, 485s**

Mulinguisha, near Lisaki **30:40s**
Mulungwishi **26:225s, 30:40s**

Mupine mine, Katanga **30:257h,m, 261s**
Mutoshi mine, Katanga **33:482–483h**

Shamitumba deposit, Katanga **30:264s**
Shangulowe mine, Katanga **26:152h, 29:217s, 30:40h**

Shinkolobwe, Katanga **28:209s, 30:221h, 30:260h**
Star of the Congo mine, Lubumbashi, Katanga **26:498h, 30:53h, 30:264s**

Tantara mine, Katanga **30:261s, 33:77s, 35:255h**
Tendu mine **33:77s**

Tshiniama mine **33:77s**
Unspecified diamond localities **26:152s**

ZAKHAROVITE

Canada

Quebec

Saint-Amable sill: yellow to orange masses, microcrystals **29:110p, 112–113p**

ZÁLESÍTE

Spain

Mazarrón-Águilas district, Murcia: green, pale blue sprays of acicular crystals to 4 mm **34:331–332p**

ZAMBIA

Border locality near Kolwezi, Zaire **35:157s, 159s, 35:255s**

Broken Hill mine, Kabwe **26:163g, 165m, 26:184s, 26:191s, 28:454s**

Copper Belt province **26:165h,m**

Kalengwa mine **31:280h**

Kansanshi mine **26:163h, 165m**

Kitwie **34:186s**

Serenji **31:193s**

ZANAZZIITE

Brazil

Minas Gerais

Jaguaraçu: rounded aggregates of pale green microcrystals **30:218n**

Jenipapo district, Itinga: microcrystals with roscherite, greifensteinite **34:278**

Telirio mine: pale green spheres to 2 cm **34:91n**

ZARATITE

Australia

Tasmania

Lord Brassey mine: dark green crusts, identity questionable **33:329–330p**

United States

Montana

Locality questionable, possibly Stillwater complex near Livingston **33:(64)**

ZEOLITE DEPOSITS

Deccan Plateau, India **32:497, 33:523–524, 34:1–82** (Indian Zeolites Special Issue)

Millington quarry, Somerset County, New Jersey **27:147, 31:399–411**

Paterson, New Jersey **26:575, 27:391, 30:95**
Prospect Park quarry near Paterson, New Jersey **31:509**

Sokolovski quarry, Rudniy, Kazakhstan **34:282**

ZEOLITE GROUP

See also names of individual species; Zeolite Deposits

Zeolite Group review, reclassification by commission of IMA **30:5–6**

ZEUNERITE

Brazil

Bahia

Brumado, Serra das Éguas: crystals to 3.5 cm, world’s finest **31:181**

ZIMBABWE

Formerly Southern Rhodesia, then Rhodesia

Miami, Karoi district **26:TZ18g, 26:TZ36g**

Midway mine, Fort Victoria **33:78s**

Misvingo (formerly Fort Victoria) **33:273s**

Phoenix mine near Que Que **31:29s, 31:153s**

ZINCITE

United States

New Jersey

Franklin **26:MB102h**; world’s best specimen **28:213**; misattributed to Butte, Montana **33:64**

Zaire

Kipushi mine, Shaba: crusts and plates **26:189p, 191**

ZINC-MELANTERITE

Bolivia

Cerro Rico de Potosí, Potosí: small yellow-green masses **30:34**

ZINCROSASITE

Hungary

Rudabánya: pale blue to white spheres to 2 mm, crusts **32:126p, 157**

Mexico

Durango

Ojuela mine, Mapimí: botryoidal crusts with radial-fibrous structure **34:OJ88**

ZINCROSELITE

Morocco

Bou Azzer **32:(252)**

ZINKENITE

Bolivia

Cerro Rico de Potosí, Potosí: slender crystals with other sulfosalts **30:34**

San José mine, Oruro: matted metallic gray prisms with pyrite **28:60n**; brilliant needle crystals on spheres of stannite crystals **32:248n**

France

Serre farm area, Saint Pons, Haute Province: metallic gray crystals to 1 cm **26:494n**; needle crystals on large chalcostibite crystals **27:141n**

Russia

Dal’negorsk, Primorskiy Krai: finely acicular crystals in sprays to 8.8 cm **30:150n**; acicular crystals on quartz **32:29p**

ZINNWALDITE

Brazil

Minas Gerais

Agua Roa **26:(490)**

United States

Nevada

Zapot pegmatite, Mineral County: pale brown euhedral books to 7 cm **30:289q**

ZIRCON

Brazil

Minas Gerais

Sapucaia pegmatite, Galiléia: small brown euhedral crystals **30:360**

Canada

Ontario

McLaren mine, Perth: gemmy 5-mm crystal **30:46p**

Quebec

Saint-Amable sill: brown dipyrnidal crystals to 1 mm **29:113**

France

Trimouns quarry, Luzenac, Ariège: vitreous brown microcrystals **35:244**

India

Puttetti, Tamil Nadu/Kerala: euhedral crystals in diopside syenite **34:149**

Malawi

Mount Malosa: gemmy yellow crystals on orthoclase **28:64n**; sharp, tan crystals to 1 cm with aegirine **32:60n; 34:(185)**; 3.2-cm cluster **34:280p**

Mozambique

Alto Ligonha area: sharp reddish brown crystals **31:490, 491d**

Norway

Alta Fjord, Seiland Island, Finnmark: **26:488p, 26:(497)**; several tons of fine crystals to 3 cm collected **27:212n**

Pakistan

Bulbin, Wazarat district: resembling Norwegian crystals **26:497n**

Zagi Mountain, Northwest Frontier Province: doubtful occurrence **35:220**

Russia

Dal’negorsk, Primorskiy Krai **32:(30)**

Dodo deposit, Subpolar Urals: grayish pink prisms to 1 mm **30:442**

Lovozero, Kola Peninsula: 2-cm crystal on matrix **26:575**

Mt. Vavnbed, Lovozero massif, Kola Peninsula: razor-sharp 1.6-cm dipyrnidal **28:209n, 211p**

Spain

Nueva Vizcaya mine, Burguillos del Cerro, Badajoz: red-brown crystal clusters to 5 mm **33:498**

Sri Lanka

Amlilipitiya, near Kataragama: pinkish terminated 3.5-cm crystals **26:498n**

GENERAL INDEX

United States

Colorado

St. Peters Dome: groups of lustrous 3-cm crystals on matrix **32:53**

Nevada

Gold Quarry mine, Eureka County: grains, euhedral microcrystals **26:466**

Zapot pegmatite, Mineral County: euhedral crystals to 3 mm **30:289–290**

Utah

Topaz Mountain Rhyolite **26:TZ(59)**

ZOISITE

Pakistan

Alchuri, Shigar Valley, Baltistan **28:190p**

Ashudi: semi-gemmy grayish green crystals to 5 cm **29:217n**

Shigar: perfect 3-cm gemmy crystal on matrix **34:86n**

Russia

Dodo deposit, Subpolar Urals: gray-green prisms to 2 cm in quartz vugs **30:442**

Sadoviy mine, Dal'negorsk, Primorskiy Kraj: in skarn **32:30**

Tanzania

Merelani Hills near Arusha **27:218p**

Merelani mine, Arusha: abundant crystals of tanzanite, matrix specimens **28:60n**; fist-sized gem tanzanite crystal **28:209n**; gemmy 3-cm crystal **28:413n**; gemmy thumbnail crystals of tanzanite **29:132n**; thumbnail gem crystals **31:280n**; lustrous 2.5-cm crystal on matrix **32:493n**

Umba Valley: 5-cm tanzanite crystal **26:224p, 225n**

United States

California

Chickencoop Canyon, Tulare County: massive pink with wollastonite **34:165**

Zimbabwe

Locality not specified: with ruby corundum crystals **34:185n**

ZUGSHUNSTITE-(Ce)

United States

Tennessee

Alum Cave Bluff, Sevier County: sharp transparent crystals to 2 mm **31:173p**

ZVYAGINTSEVITE

Russia

Konder massif, Nelkan, Far East: distorted loose crystals to 8 mm **28:101–102p,q**; cubic crystals to 1.1 cm **28:211p, 212n**; elongated crystals to 1.25 cm **35:154–155n**