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

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- 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, Transbaikal, 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**
 South Percy Peak, Percy stock **26:TZ(64)**
 Victor Head, Percy stock **26:TZ(64)**
- North Carolina**
 Hillsborough pyrophyllite district **26:TZ(64)**
 Pilot and Bowlings mountains **26:TZ(64)**
- South Carolina**
 Brewer gold mine, Chesterfield County: massive topaz in rock mined **26:TZ64**
- Texas**
 Llano Uplift, Mason County: colorless 5.1-cm crystal **26:TZ27p**
 Mason County deposits: **26:TZ18g**; good gemmy crystals to 12 cm **26:TZ28**; in iron-rich granites **26:TZ46**
- Utah**
 Maynard claim, Thomas Range: gemmy orange crystals, large gray crystals with included sand **26:216p**, 218n; single crystals to 4 cm **26:486n**
 Thomas Range rhyolites **26:TZ10**, 11c,g,p, **26:TZ12d**, **26:TZ14**, 18g; crystal habit **26:TZ38**; pink topaz, cause of color **26:TZ57–59q**, 67q; with very large bixbyite crystals **30:49n**
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 Wah Wah Mountains **26:TZ10g**, **26:TZ18g**
- Virginia**
 Amelia Court House: **26:TZ18g**; massive, in epigenetic pegmatite **26:TZ44**
 Herbb No. 2 mine, Powhatan County: coarsely crystalline **26:TZ64**
 Manassas trap rock quarry, Prince William County: small crystals **26:TZ64**
 Morefield mine, Amelia County: **26:TZ(44)**, **26:TZ(64)**; milky white & gemmy crystals **26:552g**
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 Border locality near Kolwezi, Zaire: gemmy orange "imperial" crystals to 7 cm **35:157n**, 159p; lustrous, gemmy orange, terminated crystals to 8 cm **35:255n**
- Zimbabwe**
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- France**
 Margabal mine, Entraygues, Aveyron: sharp, deep green parallel crystal sheaves in groups to 20 cm **29:129n**, 130p, 131p; thousands of new specimens extracted in 1997 **29:493–494p**; sheaves to 1.5 cm in groups to 8 cm **30:45n**; 10-cm crystal group **31:72p**; green crystals with black borders **31:99n**; sharp crystals to 2.5 cm in groups **35:253n**
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- Quartz (contact, Japan law): PC mine, Jefferson County, Montana **26:147n, 26:481p, 482n, 30:40n**; Slocan, British Columbia **26:491n**; Narushima, Kyushu, Japan **26:495n, 31:283n**; Passmore, British Columbia **26:578n**; Pasto Bueno, Peru **28:P34**; Huaron mines, Pasco, Peru **28:P70**; Kami mine, Cochabamba, Bolivia **29:213n**; Val Bedretto, Ticino, Switzerland **30:221n**; Brumado mine, Bahia, Brazil **31:44p**; Pampa Blanca mine, Ica, Peru **31:276n**; Cerro Ullpace, Castrovirreyna, Peru **31:286n**; Madan district, Bulgaria **32:58n, 32:493n**; Flor del Peru #2 mine, Pampa Blanca, Castrovirreyna, Peru **33:86n, 34:252**; Audilamena, Madagascar **33:273n**; 10 localities in Bolivia and Peru **34:116**; Serro do Cabral, Brazil **34:188n**; Madagascar (locality not specified) **34:185n**; Mont St.-Hilaire, Quebec **34:180–181p**; Mundo Nuevo mine, Ancash Dept., Peru **34:242–243p, 34:278**; Flor de Peru I claim, Ullpac Mt., Huancavelica, Peru **34:252–253p**; Kruchov Dol mine, Madan, Bulgaria **34:275n**; Mpumalanga, Cape Province, South Africa **35:156n**; Feng Jiashan mine, Daye, China **35:156n**; Prince of Wales Island, Alaska **35:401–404p**; Amatitlan, Guerrero, Mexico (amethyst) **35:GU33p**
- Quartz (Dauphiné twins), Busovača, Bosnia/Hercegovina **27:342–343p, 346c**; Pasto Bueno, Ancash, Peru **28:P34**; Cantera Raurita mine, Ancash, Peru **29:213n**; Mont St.-Hilaire, Quebec **34:180–181p**
- Rutile, Onganja mine, Namibia **27:96**; (V-twins) Diamantina, Minas Gerais, Brazil **26:489n, 32:57n, 32:497n**
- Sal Ammoniac (elongated twinned dodecahedrons), 2 localities **31:146, 149–150d**
- Sanidine (Karlsbad twins), Beavertell, British Columbia **27:216n**
- Scolecite (contact, penetration) Deccan Plateau, India **34:58–59d**
- Sodalite (elongated twinned dodecahedrons), several localities **31:141ff.**
- Sodalite group species (penetration twins), Mte. Somma/Vesuvius, Italy **27:459p, 460**
- Sphalerite (elongated twinned dodecahedrons), 2 localities **31:146, 149d**
- Titanite (V-twins), Dodo deposit, Subpolar Urals, Russia **30:440p, 442, 31:282n**; Puiva deposit, Subpolar Urals, Russia **30:464–465p, 31:282n**; Laperwitzbachgraben, East Tyrol, Austria **35:410**
- Wellsite (multiple twinning), Monte Calvarina, Italy **27:151p, 152**
- Wodginite (cyclic twins), Linopolis, Minas Gerais, Brazil **27:449n, 454p**; Sapucaia do Norte, Minas Gerais, Brazil **30:52n**
- Wolframite-ferberite (cyclic twins), San Cristobal, Junin, Peru **28:P77**

TYROLITE

Italy

Liguria

Cassagna mine, Val Graveglia: rosettes of microcrystals **32:376**

Spain

Mazarrón-Águilas, Murcia: tabular green crystals and groups to 2 mm **34:330**

TYUYAMUNITE

United States

Nevada

Gold Quarry mine, Eureka County: coatings, 5-cm clots **26:465**

GENERAL INDEX

UCHUCCHACUAITE

Peru

Uchucchacua mine, Lima Dept.: discovered here in early 1980's **34:118**

UGANDA

Locality not specified **32:495s**

UKRAINE

Formerly USSR

#2 Bis mine, Nikitova district, Donetsk Oblast **27:221s**

Kerch Peninsula, Crimea **31:392s, 32:41s**

Korosten pluton **32:45g**

Krim Peninsula (near) **32:45s**

Volhynia **26:TZ14g; 16–19g,h, 36g, 46g**

Volodarsk **26:152s, 32:45h**

Volodarsk-Volynsk **26:229s, 31:49s**

Volyn **26:494s**

Yavokskoe mine near Novoya Vorovsk, L'vov Oblast **26:536s**

ULEXITE

Peru

Laguna da Salinas, Arequipa **34:(251)**

ULLMANNITE

England

Cumbria

Brownley Hill mine, Alston Moor: cubic microcrystals on galena **31:248**

Germany

Nordrhein-Westfalen

Ramsbeck: crystals to 2 cm **29:144**

Russia

Puiva deposit, Subpolar Urals: tiny grains in one cleft **30:465**

UMANGITE

Mexico

Durango

Ojuela mine, Mapimí: in polished ore sections **34:OJ84**

Sweden

Skrikerum **27:(209)**

UNITED ARAB EMIRATES

Arzaneh Island, Persian Gulf **27:221h**

UNITED KINGDOM

See England, Northern Ireland, Scotland, Wales

UNKNOWN MINERALS

4 unknown minerals resembling columbite-tantalite from Alto Ligonha, Mozambique **31:490–491**

12 unknown minerals from Saint-Amable sill, Quebec **29:113**

Au-Cu alloy, Lord Brassey mine, Tasmania, Australia **33:330**

Ba-Fe-Al-Cl silicate, blue-green, Trumbull Peak, California **30:416; Chickencoop Canyon, Tulare County, California 34:163**

Ba-(Fe,Mn,Ca)-silicate/phosphate, brownish black, Trumbull Peak, California **30:416**

Ba-Fe silicate, jet-black grains to 2 mm, Trumbull Peak, California **30:416**

Ba-(Mn,Fe)-Al-Cl silicate, possible series, Chickencoop Canyon, California **34:163**

Bi oxide, clay-like, in chrysocolla, Benambra, Victoria, Australia **26:112**

Bi-Ni-Fe-Pt alloy, Lord Brassey mine, Tasmania, Australia **33:330**

Blue bladed crystals to 1 cm, in sugilite, Wessels mine, South Africa **26:497**

Ca-REE-Be silicate, Stora Vika quarry, Stockholm, Sweden **27:209**

Cd-Cu-Al fluorophosphate, blue acicular crystals, Gold Quarry mine, Nevada **26:468**

Copper minerals (3 unknowns), Alum Cave Bluff, Tennessee **31:174**

Cu-Te-As mineral, Centennial Eureka mine, Juab County, Utah **28:177**

Cu-V secondary blue mineral, triclinic, Gold Quarry mine, Nevada **26:465p, 466, 468**

Fe phosphate, pale green coatings and masses, Alum Cave Bluff, Tennessee **31:173**

Fe-Al-Mg-Cu-Zn arsenate, Mazarrón-Águilas district, Murcia, Spain **34:332**

Na-Ca-Cu-Fe/Al chloride/arsenate hydrate, Mazarrón-Águilas district, Spain **34:332**

Nb oxide, hydrated, as pale blue alteration coating on metamict minerals, Zapot pegmatite, Nevada **30:289**

Nd-rich zalesiite-like mineral, Val Graveglia, Liguria, Italy **32:377**

Ni, Fe sulfate in serpentinite, Lord Brassey mine, Tasmania, Australia **33:330**

Ni sulfate (?) with millerite, Halls Gap, Kentucky **28:381–382p**

Rhabdophane-like mineral, Havey quarry, Maine **26:479n**

Silvery mineral in unusual micro-forms, Halls Gap, Kentucky **28:381**

Sulfosalt—two black prismatic microcrystals, Sweet Home mine, Colorado **29:SH122**

U-Bi-Nb-Ca-Ti-Si as yellow alteration product of metamict minerals, Zapot pegmatite, Nevada **30:289**

U-Ti-Ca-HREE hydrated oxide, Topaz Valley, Utah **26:123–128g,m,p,q**

Uranium minerals, Purple Passion mine, Yavapai County, Arizona **31:328**

Vitreous green mineral with lithiophilite, triploidite, Boqueirãozinho pegmatite, Rio Grande do Norte, Brazil **29:196**

“Yamatoite,” Mn endmember of garnet group, Val Graveglia, Liguria, Italy **32:377**

Yellow-brown spherical aggregates to 0.3 mm in chrysocolla, Benambra, Victoria, Australia **26:111p, 112**

Yellow-green powdery bismuth mineral, Boqueirãozinho pegmatite, Rio Grande do Norte, Brazil **29:196**

“URALITE”

Amphibole pseudomorph after pyroxene; see also Actinolite

United States

Alaska

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**

Fairfield Hill **31:298**

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

Harris mine, Wah Wah Mountains **31:46s, 47s**

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**

Tuscarora mine, Rich County **32:300s**

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**

GENERAL INDEX

UVITE

See also Tourmaline Group

Brazil

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**

United States

New York

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

UZBEKISTAN

Formerly USSR

Kochbulak **26:494s**

Locality not specified **32:256**

Shurab, Fergana Valley **29:217s**

Sidjak (Sedjak) **26:493s**, **33:97s**

VAESITE

United States

Illinois

Davis-Deardorff mine, Hardin County: microscopic grains with pyrite **28:43**

Zaire

Shinkolobwe deposit, Katanga: black masses with siegenite, catterite **30:261**

VALENTINITE

Bolivia

Cerro Rico de Potosí, Potosí: sprays of lustrous blades to 1.5 cm **30:32**

Colavi mine, Cornelio Saavedra, Potosí: sharp, transparent crystals to 1 cm **32:248n**; silky white wedge-shaped crystals to 1.5 cm **33:263n**

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

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

Canada

Quebec

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

Hungary

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

Mexico

Durango

Ojuela mine, Mapimí: trace amounts in stibiconite **34:OJ84**

Russia

Bor pit, Dal'negorsk, Primorskiy Krai **32:(29)**

Slovakia

Pezinok mine, Pezinok: flat radial sprays of acicular crystals to 2 cm, secondary coatings on stibnite **31:159**, **160p**, **161**

VALLERIITE

Russia

Dal'negorsk, Primorskiy Krai **32:(29)**

VANADINITE

Austria

Lower Austria

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

Mexico

Chihuahua

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

San Carlos **26:(578)**

Durango

Ojuela mine, Mapimí: rare microcrystals **34:OJ84**

Sonora

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

Morocco

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**

Namibia

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**

Berg Aukas mine, Otavi Mountain Land **28:118p**
Otavi Mountain Land: major ore species, many mines **28:109–130ff.**

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

South Africa

Transvaal

Argent, Bushveld Complex **29:(464)**

Spain

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)**

Puzzler mine, Castle Dome district, Yuma County: yellow, orange, red and green crystals in lustrous groups **29:444–447h**, **454–457p**

Western Union mine, Cerbat Mountains, Mohave County: distinctive specimens **28:167–174h,m,p**

Montana

Johny 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

Gold Quarry mine, Eureka County: brown prismatic crystals to 3 mm **26:466**

VANADOMALAYAITE

Italy

Liguria

Gambatesa mine, Val Graveglia: red subhedral crystals to 0.5 mm **32:375p**, **376**

VANDENBRANDEITE

Zaire

Shinkolobwe, Katanga: deep green spherules **28:209n**

VARENNESITE

Canada

Quebec

Saint-Amable sill: blocky brown or orange crystals to 1 cm **29:110–111d,p**

VARISCITE

Australia

South Australia

Iron Knob: blood-red **27:145n**

Bolivia

Huanuni mine, Huanuni, Oruro: cloudy white **26:489**

Brazil

Goias

Itumbiari: lustrous bright green spheres of microcrystals on matrix **31:277n**, **279p**

Minas Gerais

Sapucaia pegmatite, Galiléia: red manganian microcrystals, globules **30:358p**, **360**

Mozambique

Alto Ligonha area **31:(489)**

United States

Nevada

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

Willard mine, Pershing County: microspherules with wavellite **32:239p**; green botryoidal crusts, isolated spherules **32:301–302**

Utah

Clay Canyon near Fairfield: with secondary phosphates **26:486n**

Fairfield: polished 15.3-cm slab **30:315p**; Montgomery-Gordon letter concerning pricing **33:349**

"VARLAMOFFITE"

Amorphous Fe, Sn oxide—doubtful species

Bolivia

Cerro Rico de Potosi, Potosi: pale yellow pulverulent masses **30:32–33**

VAUQUELINITE

Locality not specified **26:(143)**

Russia

Berezovsk, Ural Mountains: type locality, described in 1818 **32:46**

Locality not specified **34:(90)**

Zaire

Kipushi mine, Shaba: tiny yellow plates, pseudomorphs **26:187–188c,p**

VAUXITE

Bolivia

Siglo XX mine, Llallagua: blue 22.5-cm druse **32:467p**

VÄYRYNENITE

Sweden

Norro, Rånö Island, Stockholm **27:(209)**

VENEZUELA

Gran Sabana district, Santa Elena **29:213h**

VERMONT

Chester **28:60s**

Eden Mills quarry **27:449s**

Rubberoid Asbestos mine, Eden Mills **26:486g**

Rutland County **27:216s**

VESIGNIEITE

United States

Arizona

Mercer Ranch, Pinal County: patches to several mm **26:476n**

Nevada

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

VESUVIANITE

Afghanistan

Nuristan: lustrous brown prismatic crystals in groups to 8 cm **26:487n**

Siro Mountains, Khak district, Zabul: orange-brown crystals in blue calcite **35:255n**

Australia

Victoria

Benambra: brown crystals to 3 mm in chrysocolla **26:108**, **111p**

Canada

Quebec

Jeffrey mine, Asbestos: emerald-green chromian **26:491n**; emerald-green crystals to 5 cm **34:188n**; fine specimens collected 1996–2003, including lustrous violet and deep green **35:127–133h,p**; green crystals in thumbnail groups **35:250n**

- Thetford mines, Asbestos: 16.5-cm green crystal, repaired **28:90–92p**
- China**
Anhui, Hebei: loose crystals to 14.5 cm **28:413n**
Locality not specified: bipyramidal **26:(142)**
- Italy**
Aosta
Aostatal: single crystals, miniature clusters **34:85n**
Piemonte
Susa Valley: olive-green prisms to 3 cm **30:40n**
- Mali**
Diakon, Niore region: dark green crystals to 3 cm **26:149n; 26:225, 30:(221)**
Sandare, Niore du Sahel: dark green prismatic crystals **26:495n**
- Mexico**
Coahuila
Sierra de Cruces: sharp tan crystals with grossular **26:222n**; blocky crystals to 3 cm **34:LL75, 77–78p**
Sierra de la Cruz, Lake Jaco, Serra Mojada: zoned gray-brown/orange **26:496n**
- Namibia**
West Brandberg: opaque greenish brown crystals to 4 cm **27:220n**
- Pakistan**
Nuristan: reddish brown lustrous crystals to 2 cm **26:152n**
- Russia**
Asbest, Ural Mountains **26:521p**
Nikolaevskiy mine, Dal'negorsk, Primorskiy Kraj: component of skarn **32:29**
- South Africa**
Cape Province
N'Chwaning mine, Kuruman: deep reddish black, thin-prismatic crystals to 1 cm, manganooan (*later ID'd as new species manganvesuvianite*) **34:282n**
- United States**
California
Crestmore quarry, Riverside: prismatic crystals exceeding 10 cm **35:330**
Maine
Goodall quarry, Sanford: dark gray-green prisms **26:578n**
- VESZELYITE**
United States
Montana
Black Pine mine, Phillipsburg: deep blue 1.4-cm crystal **33:182p**
- Zaire**
Kipushi mine, Shaba: sharp blue microcrystals **26:188–189d,h,p, 191c,g,q**
- VIDEO MINERALS**
New dealer videos **26:TZ2, 29:162**
- VIETNAM**
Lam Dong Province **27:146s, 29:137s**
Luc Yen, Yen Bai Province **28:413h, 30:238s, 33:275s**
Thah Hoa Province **27:449s, 30:41s**
- VIGIZZITE**
Italy
Locality not specified **26:(144)**
- VITANIEMITE**
Pakistan
Dassu, Braldu Valley: 8-mm crystal on topaz **28:191p**
- VILLAMANINITE**
Spain
Villamanin: octahedral crystals to several mm **28:208n, 211p**
- VILLIAUMITE**
Canada
Quebec
Saint-Amable sill: rare cavity fillings to 5 mm **29:111–112**
- Namibia**
Aris phonolite near Windhoek: 7-mm crystal **34:85p**
- Russia**
Karnasurt, Lovozero massif, Kola Peninsula: blood-red lumps **28:136n**
- VILLYAELLENITE**
Chile
Veta Negra mine, Pampa Larga, Tierra Amarilla: sparkling pink druses **29:213n**; world's best specimens **34:118**; pink microcrystals in limonite **34:OJ84**
- France**
Ste.-Marie-aux-Mines **29:(213), 34:OJ(84)**
- Mexico**
Durango
Ojuela mine, Mapimí: **29:(213)**; pink spray of crystals to 4 cm **34:OJ84p**
- United States**
New Jersey
Sterling Hill mine, Ogdensburg **34:OJ(84)**
- VIOLARITE**
Australia
Tasmania
Lord Brassey mine: possible alteration product of pentlandite **33:329**
- United States**
Kentucky
Halls Gap, Lincoln County: coating on millerite, identification uncertain **28:381**
- VIRGINIA**
Amelia Court House **26:TZ18, 44g**
Bishop mine (prospect), Lynch Station, Campbell County **28:53g,h; 34:215–222g,h,m,p**
Fairfax quarry **26:578s**
Goose Creek quarry **34:46s**
Herb No. 2 mine, Powhatan County **26:TZ64s**
Kelly Bank mine near Vesuvius **28:53s**
Manassas trap rock quarry, Prince William County **26:TZ64n**
Morefield deposit near Amelia **26:TZ44, 64g, 26:486s, 26:551–556g,h,m; 30:288s**
Rockbridge County **26:136s**
Rutherford mine, Amelia district **26:TZ64g**
Virginia Crushed Stone quarry, Loudon County **28:58s**
Virginia Traprock quarry, Leesburg **27:449s**
Willis and Baker mountains **26:TZ64s**
- VITUSITE-(Ce)**
Locality not specified **26:(144)**
- VIVIANITE**
Bolivia
Conotillas (Canutillos) mine, Potosí (near): 3.6-cm crystal group **35:159p**; crystals to 9 cm on red sandstone **35:252n**
Huanuni **26:(149), 26:(157), 26:199p, 28:(417)**
Huanuni mine, Huanuni, Oruro: large crystals **26:489n**; transparent crystals to 4 cm **28:132n**; crystals to 12 cm on pyrite with ludlamite **29:129n**; gemmy sea-green crystals to 5 cm on siderite **32:249n**; crystals with ludlamite **32:466p**; 3-cm spray **32:470p**
Morococala **26:(157), 26:199p**; large supply of new specimens **26:489n**; crystals on 20-cm siderite matrix **31:69p; 32:(249)**; crystals on pyrite, 17-cm matrix **32:467p**
Siglo XX mine, Llallagua **32:(249)**
- Brazil**
Minas Gerais
Cigana mine, Galiléia: fine crystals with muscovite **35:156n, 158p**
Conselheira Pena **26:(489)**
Criminoso mine, São Jose da Safira **26:(489)**
Sapucaia pegmatite, Galiléia: lustrous bluish green microcrystals **30:360**
- Canada**
Yukon Territory
Big Fish/Rapid Creek **26:(147)**
- France**
Salsigne mine, Aude **28:(137)**
- Hungary**
Rudabánya: rare powdery masses **32:157**
- Peru**
Morococha district, Junin Dept.: small sprays of bladed crystals **28:P73**; very dark green crystals to 2 cm on pyrite **34:249**
- United States**
Idaho
Blackbird mine, Cobalt, Lemhi County **33:(72)**
Utah
Bingham: prismatic crystals to 5 cm **26:486n**
Wisconsin
Flambeau mine, Ladysmith, Rusk County: bladed microcrystals **30:126**
- VOLBORTHITE**
Italy
Liguria
Val Graveglia: crusts, rosettes, tabular microcrystals **32:377**
- United States**
Nevada
Gold Quarry mine, Eureka County: green radiating spheres to 1.5 cm **26:461p, 466**
- VOLCANIC MINERAL DEPOSITS**
Eifel region, Rheinland-Pfalz, Germany **33:247b**
El Desierto sulfur mine, Potosí, Bolivia **34:297–305**
Kudriavy volcano, Iturup Island, Kuril Island Arc, Russia **29:228**
Mt. Vesuvius, Italy **27:109–114**
Thomas Range, Juab County, Utah **26:TZ10, 57–60**
- VOLTAITE**
Bolivia
Cerro Rico de Potosí, Potosí: crystals reported in old workings **30:33**
El Desierto mine, Potosí **34:(304)**
- Spain**
Alfred pit, Rio Tinto, Huelva **30:(153)**; fine crystals **31:286n**
Río Tinto mines, Huelva: brilliant black crystals to 1.5 cm **27:283p, 284–285**
- United States**
Kentucky
Halls Gap, Lincoln County: complex crystals 0.25 mm across **28:381**
- VONSENITE**
Italy
Campania
Mte. Somma/Vesuvius **27:(461)**
Lazio
3 nearby localities: lustrous black microcrystals **27:149g, 150p**
- Russia**
Bor pit, Dal'negorsk, Primorskiy Kraj: inclusions in arsenic **32:29**
- VUONNEMITE**
Canada
Quebec
Saint-Amable sill: colorless to white thin-tabular crystals to 2 mm **29:110p, 112**