

## GENERAL INDEX

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### Canada

Alberta  
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#### Ontario

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- China**  
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- Colombia**  
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 Bohutín district, Příbram ore field (2 cm prismatic) **12**:163p  
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- Denmark**  
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 Durham  
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 Lancashire (colorless, oriented on brown calcite) **18**:411p  
 Northumberland  
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- France**  
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- Germany**  
 Mackenheim, Odenwald (1 cm tabular hexagonal) **8**:306p  
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 St. Andreasberg: **17**:9c; hexagonal prismatic **15**:143p, **15**:144c; huge specimens **22**:221; tabular **1**:(84); white-tipped “gun barrel” **18**:(408)  
 Rheinland-Pfalz  
 Laacher See area, Eifel district **8**:318d, **10**:92p
- Greece**  
 Kamaréza mine, Laurium (various habits to 3 cm; some smithsonite after) **7**:124  
 Laurium: **17**:186; large green coralloidal **22**:221
- Greenland**  
 Narssárssuk (rhombs to 2 cm; prismatic) **5**:120n
- Hungary**  
 Karoly mine, Gyongyosoroszi (spherical aggregate) **18**:408, **18**:409p
- Iceland**  
 Eleven localities (various habits) **12**:23p,d  
 Helgustadanáma (“iceland spar” to 50 cm) **12**:23
- India**  
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- Japan**  
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- Kenya**  
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- Mexico**  
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- Namibia**  
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 Tsumeb: **19**:272n, **19**:337n; duftite oriented in **18**:407p; galena after **8**:T25n; heterogenite on **8**:T59p; numerous habits; some cobaltian, cuprian, plumbian **8**:T21, **8**:T49, **8**:T66p
- Netherlands**  
 Limburg province (southern) **18**:432n
- New Zealand**  
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 Tui mine (clear crystals to 10 cm) **6**:27
- Norway**  
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- Pakistan**  
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- Poland**  
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- Slovenia (formerly Yugoslavia)**  
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- South Africa**  
 Cape Province  
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- CHERNIKOVITE**
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### CHKALOVITE

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- Québec
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### “CHLOANTHITE”

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**Canada**

## Ontario

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

**Chile**

Chañarcillo **10:202–203n**

**Germany**

## Obersachsen

Annaberg **17:(16)**

## Rheinland-Pfalz

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

**Mexico**

## Chihuahua

Batopilas district **17:(79)**

**Norway**

Kongsberg **17:(35)**

**Spain**

## Guadalajara

Hiendelaencina district (5 mines) (massive, botryoidal) **23:245**

**United States**

## Arizona

Bisbee district **12:301**

Briggs shaft, Bisbee district (micro crystals) **12:301**

Campbell shaft, Bisbee district **12:301**

Cole shaft, Bisbee district **12:301**

Defiance and adjoining mines, Cochise County ("cerargyrite"; crystals to 7 cm) **11:205**

Junction shaft, Bisbee district (3 mm cubic) **12:301**

Nugget Fraction mine, Pinal County **15:(43)**

Shattuck shaft, Bisbee district **12:301**

Silver Bill mine, Cochise County **14:131n**

Tombstone district, Cochise County **11:253**

Tonopah-Belmont mine, Maricopa County **19:142**

Vekol mine, Pinal County (coatings) **14:91**

## California

Blue Bell mine, San Bernardino County (micro crystals) **8:495**

Essex mine, Inyo County **15:14n**

Monitor-Mogul district, Alpine County (coatings) **22:36n**

Thompson mine, Inyo County **15:14n**

## Colorado

Little Jonny/Ibex mine, Leadville district **16:(190)**

Ouray district, Ouray ("cerargyrite") **10:358n**

## Idaho

Poor Man's Lode, Owyhee County **19:325–326n,p**

## Michigan

Keweenaw Peninsula (unverified) **23:M58**

## Nevada

Majuba Hill mine: brown, waxy **16:63n**;  
crystals to 2 mm **24:176–177p**

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

## New Mexico

Juanita mine, Socorro County **20:20**

Lake Valley, Sierra County **20:421–425h**

Magdalena district, Socorro County **20:20**

## Utah

Gold Hill mine (crystals to 2 mm) **24:21**

"CHLORASTROLITE"

*See Pumpellyite*

**CHLORITE GROUP**

*See also names of individual species*

**Australia**

## New South Wales

Ardglen quarry (analcite on stalactitic) **19:398p**

Prospect quarry (coralloidal) **25:190**

**England**

## Cornwall

Botallack district **24:279**

## Derby

Calton Hill quarry ("delessite") **14:23**

**Italy**

## Lombardy

Baveno area **14:163**

Francia (white) **10:87**

**Norway**

Kristiansund (near), Møre og Romsdal **23:(436)**

Matskorhae, Hordaland (green sandy) **8:270–271**

**South Africa**

## Transvaal

Messina district **22:196**

**United States**

## Arizona

Mammoth mine, Pinal County (with disseminated gold) **11:159**

## California

Jensen quarry, Riverside County **15:288n**

New Melones Lake spillway, Calaveras County (micro vermiform stacks) **13:297q, 13:298, 13:300p**

## Colorado

Italian Mountain area, Gunnison County (some penninite) **15:86n**

San Juan Mountains **10:358n**

Table Mountain, Jefferson County **19:167p**

Wolf Creek Pass, Mineral County **7:272**

## Massachusetts

Chester emery mines **9:240**

## Michigan

Clark mine, Keweenaw County (minute single plates) **14:224**

Keweenaw Peninsula (several localities listed) **14:224, 23:M58**

## New Hampshire

Government pit, Carroll County **14:(47)**

## New Jersey

Buckwheat open pit, Franklin (micro crystals) **14:187p**

Paterson area, Passaic County **9:174**

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

## New Mexico

Magdalena district, Socorro County **20:20**

## Wisconsin

Rib Mountain, Marathon County (in quartz) **12:96**

## Wyoming

Oldman Ranch, Carbon County (after garnet to 8 cm) **21:485n**

**CHLORITOID**
**United States**

## Massachusetts

Chester emery mines **9:238**

## Michigan

Keweenaw Peninsula **23:M58n**

## New Mexico

Harding mine **8:123n**

**CHLOROPHOENICITE**
**United States**

## New Jersey

Franklin **19:(274)**

Sterling Hill mine **13:36p**

**CHLOROTILE**

*See Agardite*

**CHLOROXPITHITE**
**England**

## Somerset

Higher Pitts mine, near Wells **8:300n**

Merehead quarry, near Cranmore **8:300–301, 8:302p**

**CHONDRODITE**
**Canada**

## Ontario

Cameron quarry, near Carleton Place (2 cm crystals) **13:74**

Desmont mine, near Wilberforce **13:(225)**

South Baptiste Lake Road, near Bancroft **13:(226)**

**Italy**

## Tuscany

Buca della Vena mine **17:265**

**South Africa**

## Transvaal

Palabora Open Pit **19:203n, 19:338n**

**United States**

## California

Jensen quarry, Riverside County **15:288n**

Kalkar quarry, Santa Cruz (anhedral) **17:324**

## New York

Amity area, Orange County (masses) **9:87p**

Tilly Foster mine, Putnam County **18:322d, 19:(338)**

**CHRISTITE**
**United States**

## Nevada

Carlin mine, Eureka County: **16:45h**; announced, grains, veinlets **9:253h,q**

**CHROMDRAVITE**
**United States**

## Maryland

Etchison mine **12:151q**

## Pennsylvania/Maryland

Line pit, State Line district **12:(150)**

**CHROMITE**
**Canada**

## Québec

Orford mine (masses to 30 cm) **25:336q**

**Greenland**

Fiskenæsset (Qeqertarsuaatsiaat) region **24:G14n**

**Moon**

Grains **1:22**

**Norway**

Sunnhalen brudd, Åheim, Sunnmøre (weakly magnetic) **17:(136)**

**United States**

## Arizona

Bisbee district **12:(302)**

## Maryland

Etchison mine (Mg-rich, Cr-poor) **12:153n**

## North Carolina

Addie olivine quarry, Jackson County **18:(136)**



- Pennsylvania/Maryland  
Line pit, State Line district (massive, micro crystals) **12:153, 12:154q**  
State Line chromite district **12:149n**  
Wood's mine, State Line district **12:149n**
- CHRYSOBERYL**
- Brazil**  
Bahia  
Cachoeira **2:10n**  
Campo Formoso, near Carniaba emerald mine (sixlings, "alexandrite") **11:316n**  
Jaqueto (24 kg twinned crystal) **18:246n**  
Medeiros Neto (5 cm crystals) **24:385n**  
Teixeira de Freitas: **24:229p, 24:230**; flat sixlings to 4 cm **23:280**
- Espirito Santo  
Itaguaçu (discovery) **11:357–359p**  
Pancas (22 cm euhedral V-twin) **21:250–251p**  
Tancredo, Santa Teresa **2:10n**  
Locality not specified (flat sixlings to 15 mm) **10:179**
- Minas Gerais  
Americana, Teófilo Otoni **2:10n**
- Czech Republic (formerly Czechoslovakia)**  
Maržikov **19:10s**
- India**  
Hyderabad area, Andhra Pradesh (twinned to 5 cm) **21:489n**  
Orissa **19:271–272p**
- Russia (formerly USSR)**  
Malysheva mine, Middle Urals (sixlings "alexandrite") **25:218n**
- Spain**  
Franqueira (near), Pontevedra ("alexandrite," cyclic twins to 2 cm) **24:236**
- United States**  
Connecticut  
Gillette quarry, Middlesex County (twinned) **23:25n**
- Maine  
Nubble quarry, Greenwood, Oxford County **16:(384)**  
Ragged Jack Mountain, Oxford County **16:(384)**  
Wheeler mine, Gilead, Oxford County **16:(384)**
- New Mexico  
La Madera Mountain, Rio Arriba County (micro sixlings) **22:384n**
- Zimbabwe (formerly Rhodesia)**  
Ft. Victoria (see Nyanda)  
Locality not specified ("alexandrite" to 2 cm) **9:316**  
Novello claims, near Ft. Victoria ("alexandrite") **19:271n**  
Nyanda (formerly Fort Victoria): "alexandrite" **18:148**; "alexandrite," some sixlings **11:316n**  
St. Anne's mine, Miami **20:147**
- CHRYSOCOLLA**
- Australia**  
New South Wales  
Broken Hill (massive) **7:31n**  
Kintore opencut, Broken Hill **19:(428)**
- Queensland  
Mt. Glorious (some after azurite) **19:488**  
Mt. Isa mine **19:479**
- South Australia  
Burra Burra mine: **15:106–107p**; after azurite, cuprite, copper **15:220–221p**; after libethenite **15:107**; coatings, masses, stagsmalachites **25:127**  
Walleroo mines **19:(412)**
- Western Australia  
Ashburton Downs (some poss. after prismatic malachite) **24:211**
- Chile**  
Chuquicamata **9:331**  
Inca de Oro, Copiapó district (gold wires in) **10:123**
- England**  
Derby  
Calton Hill quarry **14:(23)**  
Dene quarry, Cromford **14:(23)**
- Stafford  
Ecton Hill **14:(23)**
- Italy**  
Lombardy  
Baveno area **14:163**
- Sardinia  
Sa Duchessa mine **15:(372)**
- Namibia**  
Tsumeb **8:T22n, 8:T83p**
- Scotland**  
Strathclyde/Dumfries and Galloway  
Leadhills-Wanlockhead district **12:(250)**
- South Africa**  
Cape Province  
Langdon mine **22:284n**
- United States**  
Arizona  
BCC #3 claim, La Paz County **20:387**  
Bisbee district **12:302**  
Bluebird mine, Gila County (and malachite after azurite) **19:117–120p**  
C & B mine, Gila County (powdery) **11:214**  
Cole shaft, Bisbee district (post-mining) **12:302**  
Copper Queen mine, Bisbee district (after azurite) **12:302**  
Czar shaft, Bisbee district (some after fibrous malachite) **12:302**  
Defiance and/or Silver Bill mines, Cochise County (id as fraipontite) **14:131–132q**  
Eagle Eye mine, La Paz County (crystals) **20:387**  
Fat Jack mine, Yavapai County (thin crusts) **22:25**  
Grand Reef mine, Graham County (after micro cerussite, anglesite) **11:223**  
Magma mine **14:(82)**  
Mammoth mine, Pinal County: acicular to 3 mm **24:381n**; some boxworks after galena **11:168**  
New Cornelia mine, Pima County: copper in, polished **14:290p**; massive, some after malachite **14:295**  
New Water Mountains, Yuma County (after azurite, acicular malachite, quartz, albite) **14:119p**  
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Ray mine: after prismatic mineral; also "gem silica," massive with malachite, tenorite **14:315p, 14:318**; after prob. azurite to 7.5 cm **11:248–250p**; after unknown prismatic mineral **8:58–59p**; polished specimens with azurite, malachite **24:381n**  
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79 mine (massive; some after hemimorphite, smithsonite) **3:255, 3:270p**  
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- California  
Darwin district, Inyo County **15:14n**  
Hale Creek mine, Trinity County **18:(347)**  
Jensen quarry, Riverside County **15:288n**
- Colorado  
Table Mountain, Jefferson County **19:168**  
X-10-U-8 mine, Italian Mountain area, Gunnison County **15:86n**
- Michigan  
Algoma mine, Ontonagon County **23:M58n**  
Allouez mine, Keweenaw County **23:M58n**  
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Keweenaw Peninsula: **23:M58**; micro specimens **14:220–222c,p**  
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- Nevada  
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- New Jersey  
Chimney Rock quarry, Somerset County (coatings; after copper and chalcocite) **9:30**  
Route 80 roadcut, Passaic County **1:174**
- New Mexico  
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- Oklahoma  
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- Zambia**  
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- See also Clinochryso tile*  
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- Canada**  
Québec  
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- United States**  
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- Michigan  
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- CHUDOBAITE**
- Namibia**  
Tsumeb (crystals to 5 mm) **8:T22n, 8:T70p**
- CHURCHITE-(Y)**
- Brazil**  
Minas Gerais  
Jaguaráçu pegmatite (coatings) **25:168**
- United States**  
Alabama  
Indian Mountain, Cherokee County **9:389–390, 20:358**
- California  
Sausalito (south of), Marin County (crusts, tufts) **2:166–168q**
- Georgia  
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- Canada**  
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- China**  
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- England**  
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- Ireland**  
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- Macedonia (formerly Yugoslavia)**  
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- Russia (formerly USSR)**  
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- Nevada  
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- United States**  
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- Bolivia**  
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- Norway**  
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- South Africa**  
Transvaal  
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- United States**  
California  
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### CLIFFORDITE

- Mexico**  
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### “CLINOBARRANDITE”

See *Phosphosiderite*

### CLINOBIENVANITE

- Australia**  
Western Australia  
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- United States**  
California  
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### CLINOCHALCOMENITE

- Bolivia**  
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### CLINOCHLORE

- Australia**  
South Australia  
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- Austria**  
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- Brazil**  
Bahia  
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Governador Valadares (near) (in alpine cleft) **22:387n**
- Canada**  
Québec  
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- Greece**  
Laurium area (“penninite”) **7:122n**
- Italy**  
Lombardy  
Baveno area (masses; tentative id) **14:163**  
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Piemonte  
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- Russia (formerly USSR)**  
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Werbljuge, Urals (micro crystals) **9:133**
- South Africa**  
Cape Province  
Wessels mine (micaceous) **22:284**  
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Messina district **22:194**  
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- Turkey**  
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- United States**  
Arizona  
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California  
Kalkar quarry, Santa Cruz County **17:324**  
Colorado  
Italian Mountain area, Gunnison County (“penninite”) **15:86n**  
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Sterling Hill (massive) **21:426n**  
Pennsylvania/Maryland  
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California  
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#### Namibia

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#### South Africa

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### CLINOHEDRITE

#### United States

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### CLINOHUMITE

#### Brazil

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#### Canada

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#### Greenland

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### CLINOJIMTHOMPSONITE

#### United States

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Described; 5 localities **24:307–310h,p,q**

#### Germany

Obersachsen  
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### CLINOPYROXENE GROUP

*See also names of individual species*

#### Canada

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#### Greece

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#### Moon

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#### Russia (formerly USSR)

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### CLINOSAFFLORITE

#### Morocco

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### CLINOTYROLITE

#### United States

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### CLINOUNGEMACHITE

#### Chile

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#### Canada

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#### Norway

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### COLUMBITE-TANTALITE SERIES

*See also Tantalite; Ferro-, Mangano-, Stibio-Columbite; Ferro-, Mangano-Tantalite*

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- Mica Creek area **19:475**

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## New Mexico

Harding mine (columbite-tantalite) **20**:64n

## North Carolina

Foote mine, Cleveland County (ferromite epitaxial on) **6**:276–277h,q

## Wisconsin

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Carrara region (most tetrahedrite id as) **18**:270dLa Facciata quarry **18**:270pLorano quarry **18**:270p**United States**

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Campbell shaft, Bisbee **24**:428nMagma mine **14**:(82)

## California

Zinc Hill mine, Inyo County **15**:(14)

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National Belle mine, Ouray County **17**:233nRed Mountain district, Ouray County **10**:358n**COMANCHEITE****United States**

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Mariposa mine, Brewster County (minute acicular) **21**:228**COMMONWEALTH OF INDEPENDENT STATES***Formerly USSR. See independent states: Azerbaijan, Kazakhstan, Kyrgyzstan, Russia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan***COMPETITIVE EXHIBITS***See also Awards and Trophies; Shows*AFMS Uniform Rules, comments on: editorial **2**:147; letters **2**:273“Best in Show” competition suggested: announced for 1972 Tucson show **2**:195; editorial **2**:51ff; responses **2**:146Comments on competition (editorial) **6**:268–269  
Conduct of contests: editorial **7**:203–205; letter **7**:45–46Educational exhibit competition, guidelines for, by Friends of Mineralogy **4**:206ffFraud in Federation competitions (guest editorial) **12**:194Judges, qualifications of (letter) **7**:44Judging aesthetics vs. rarity: editorial **6**:102–103; letters **6**:260–265, **6**:316–318Record Forum discussion **7**:203–205Suggested reforms: editorial **6**:268–269; letters **6**:315–318Varietal names, use in competitive exhibits: editorial **2**:147; letters **2**:273**CONGO (PEOPLES REPUBLIC)***Formerly Middle Congo. See also Zaire*‘Mbumba, Pimbi deposit, Renneville **22**:217s,h, **22**:388s, **22**:478hPimbi deposit, Renneville **22**:478hRecent history **11**:115–116Renneville, northwest of Brazzaville **10**:180h, **11**:115–116h, **11**:319–320h, **16**:303sSanda mine, Mindouli **24**:237s, **24**:394sVs. Belgian Congo/Congo/Zaire **3**:147h, **11**:115–116**CONICALCITE****Australia**

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Dome Rock (after olivenite) **12**:107

## Western Australia

Bali East prospect, Ashburton Downs (coating) **24**:211**Namibia**Tsumeb: **9**:44n; masses, micro crystals; some plumbian, “parabaylonite” **8**:T22n, **8**:T71p**United States**

## Arizona

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## California

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*Mineral Collector’s Field Guide—Connecticut* **9**:257bMorris Dam, East Morris, Litchfield County **6**:115mNewtown, Fairfield County **14**:367–368sOxford, New Haven County **3**:36–37sParlor Rock Road, Trumbull, Fairfield County **6**:115mPelton quarry, Portland, Middlesex County **6**:115m  
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*See Clinocllore*

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