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 Arizona  
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## WITTICHENITE

**Russia**

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## WÖHLERITE

**Italy**

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## WOLFRAMITE

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**Russia**

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**United States**

California  
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**Canada**

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**Mexico**

Durango  
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**Italy**

Liguria  
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**Sweden**

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Victoria  
Benambra: yellow crystals to 1 mm in chrysocolla **26:111p, 112**

**Austria**

Lower Austria  
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**Bolivia**

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**Canada**

Quebec  
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**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  
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**Kazakhstan**

Ayaguz: blood-red crystals to 1.5 mm **26:524p**  
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**Mexico**

Chihuahua  
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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**

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

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**Namibia**

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

**Spain**

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

**United States****Arizona**

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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**

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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

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### WURTZITE

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#### Bolivia

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#### Canada

##### Quebec

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### France

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### Greece

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### Italy

#### Tuscany

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### Russia

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### United States

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### Zaire

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### "XANTHOPHYLLITE"

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*See Clintonite*

### XENOTIME-(Y)

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##### Bahia

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Ibitiara: rich brown thumbnail-sized prismatic crystals with rutile **28:60n**

Novo Horizonte: prismatic brown crystals to 1.6 cm **26:221p, 223n**

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#### France

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#### Russia

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### United States

#### Maine

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#### Nevada

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### XOCOMECATLITE

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### United States

#### Utah

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### XONOTLITE

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### United States

#### Maryland

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## GENERAL INDEX

### YANOMAMITE

#### Brazil

Goiás

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### YOFORTIERITE

#### Canada

Quebec

Saint-Amable sill: tufts, spherical aggregates of fibrous crystals **29:111p, 112q**

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#### Mozambique

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#### United States

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### YUKONITE

#### Spain

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Locality not specified **26:(144)**

### YVONITE

#### France

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Musonoi mine, Kolwezi, Katanga **26:499s, 30:257h,m, 260h, 31:65s, 33:258s, 260s; 33:484s, 485s**

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## 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

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## 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

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Millington quarry, Somerset County, New Jersey **27:147, 31:399–411**

Paterson, New Jersey **26:575, 27:391, 30:95**  
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*See also names of individual species; Zeolite Deposits*

Zeolite Group review, reclassification by commission of IMA **30:5–6**

## ZEUNERITE

## Brazil

## Bahia

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*Formerly Southern Rhodesia, then Rhodesia*

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Midway mine, Fort Victoria **33:78s**

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## New Jersey

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## 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 Kraj: 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 Kraj **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

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### 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

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### 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)

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### United States

#### Tennessee

Alum Cave Bluff, Sevier County: sharp transparent crystals to 2 mm **31:173p**

### ZVYAGINTSEVITE

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### 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**