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WOODWARDITE

England

Cornwall
 Botallack district **24**:(282)
 Locality not specified **9**:(113)

WROEWOLFEITE

England

Cumbria
 Tynebottom mine **13**:168
 Devon
 Wheal Friendship, Mary Tavy **13**:168–169
 Shropshire
 Ladywell mine, Shelve **13**:167, **13**:169p,
13:170q

Italy

Sardinia
 Santa Lucia **19**:308–309p

United States

Massachusetts
 Loudville mine, Hampshire County: **6**:297n;
 micro **13**:45p, **13**:46

Wales

Dyfed
 Eaglebrook mine (crystals to 2 mm) **21**:492n
 Nantycapel (Eaglebrook) mine **13**:168,
13:169p, **13**:170q

Gwynedd

Drws-y-Coed mine **13**:167–168

WULFENITE

Acicular (several localities) **11**:264
 Historical and world locality survey **3**:148–150ff,
3:198–201

Sources of color **3**:200–201q
 Symposium abstracts (1990) **21**:98–100

Synthetic **21**:99

Twinning **21**:99

Vs. stolzite **21**:99–100

Australia

New South Wales
 Broken Hill: **7**:31; resembles stolzite **12**:110
 Kintore opencut, Broken Hill **19**:(428)

Old 25 pipe, Kingsgate mines (micro bi-
 pyramids) **16**:288–289p

Northern Territory

Brown's deposit, near Rum Jungle **11**:289n,
11:290p

Western Australia

Ashburton Downs **24**:216

Whim Creek **20**:393c

Austria

Bleiberg: **3**:148, **3**:150p, **17**:107h; some dark grey
 from galena inclusions **17**:364–369p,d,h,c
 Stefanie mine, Bleiberg **17**:109p

Brazil

São Paulo

Itapirapuã prospect, Ribeira Valley (tabular
 to 1 cm) **6**:288

Canada

British Columbia
 Society Girl mine, near Moyie (micro) **15**:93n

New Brunswick

Mt. Pleasant, Charlotte County **18**:362n

Québec

Gatineau Park (Chaput-Payne prospect),
 Gatineau County (white coating) **11**:80

Mt. St-Hilaire: minute acicular, prismatic
21:347; needles **10**:103, **10**:106p

Chile

Chuquicamata (grey massive) **9**:330

China

Guansu province (thick, dark red crystals)
18:(331)

Congo

Sanda mine, Mindouli region (tiny orange)
24:394n

Czech Republic (formerly Czechoslovakia)

Příbram (galena-coated) **3**:148

England

Somerset

Higher Pitts mine, near Wells **8**:302n
 Merehead quarry, near Cranmore **8**:302

France

Les Farges mine, Corrèze **11**:29, **13**:265p

Greece

Kamaréza mine, Laurium **7**:123n

Iran

Chah Kharboze, near Anarak (deep red) **3**:201

Italy

Sardinia

Sa Duchessa mine: **19**:(308); tabular to
 bipyramidal **15**:372n

Kazakhstan (formerly USSR)

Ajaguz (micro red pyramidal) **25**:139p, **25**:141
 Sit Schag **23**:495n

Mexico

Characteristics of deposits **21**:100

Chihuahua

Ahumada mine, Los Lamentos district **13**:318–
 319

Los Lamentos district: blocky, zoned **21**:253;
 tabular to 5.9 cm, blocky, steep pyramidal
11:282–284p; thick yellow **11**:189, **11**:190p

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- San Antonio mine, Santa Eulalia district **14**:170n
 San Carlos mine **3**:180n, **3**:199n
 San Pedro Corralitos (near) **3**:199, **3**:200p, **15**:240–241p
 Villa Ahumada, Los Lamentos district (some pyramidal) **3**:198–199p
- Durango**
 Ojuela mine: **3**:199; green **14**:57n
- Sonora**
 Cerro Prieto: crystals to 7.5 cm **3**:180–181p; various habits **3**:199–200p
 San Francisco mine: crystals to 5 cm **8**:58; tabular to 4 cm **25**:215
- Morocco**
 Locality not specified **10**:188n
 Mibladen **7**:243, **7**:245p
 Oujda (complex pyramidal) **10**:297
 Touissit mine, near Oujda: **11**:114; crystals to 10 cm **11**:61
 Zelijda mine, shaft #11, Touissit **15**:44p, **15**:45n
- Namibia**
 Tsumeb: **3**:200, **10**:113; blue pyramidal **8**:86–87p,d,c,q; grey to 11 cm **10**:114p; intergrown crystals to 60 cm, various colors, some tungstian, “chillagite” **8**:T34–35, **8**:T50, **8**:T79–82p, **8**:T86p
- Slovenia (formerly Yugoslavia)**
 Helena mine, Črna (formerly Schwarzenbach, Austria) **3**:148
 Mežica (formerly Mies) mine: **22**:99p; barrel-shaped to 5 mm **9**:369; tabular to 4 cm **22**:100–101, **22**:102–103p
 Stephanie mine, Mežica **3**:148
- Switzerland**
 Lungen Valley, Maderane (micro) **6**:309p
- United States**
- Arizona**
 Campbell shaft, Bisbee district (colorless to 8 mm, orange to 2 cm) **12**:315
 C & B mine, Gila County **11**:218p
 Cole shaft, Bisbee (colorless to 8 mm) **24**:435n
 Defiance and adjoining mines, Cochise County: **11**:264; flat crystals to 7 cm, steep bipyramidal **11**:205, **11**:207–208p
 Defiance mine, Cochise County: thin yellow to 2 cm **24**:45, **24**:47p; 2.5 cm brown **3**:198–199p
 Dives mine (see Padre Kino mine)
 Glove mine, Santa Cruz County: thin crystals to 11 cm; smaller crystals almost cubic **3**:198–199p; various colors and habits, photos of huge pocket *in situ* **14**:299–306; zoned with descloizite **14**:305
 Great Southern mine, Yavapai County (acicular yellow) **15**:112p
 Grey Horse mine, Pinal County **11**:232n
 Hamburg mine, La Paz County (red to 1.5 cm) **11**:138–139p
 Hilltop mine, Cochise County: **3**:183p; yellow crystals to 12 cm **14**:124–126p
 Holbrook shaft, Bisbee district (3 mm) **12**:315
 Magma mine, Pinal County **14**:(82)
 Mammoth (Mammoth-St. Anthony) mine, Pinal County: **3**:150; crystals to 8 cm **11**:163p, **11**:167p, **11**:171d
 Melissa mine, La Paz County: red, low bipyramidal **3**:150p, **11**:139; to 1 cm **21**:161, **21**:164p
 Mineral Park mine, Mohave County (prismatic; oriented growths) **11**:244p
 New Water Mountains, La Paz County **14**:(119)
- Old Yuma mine, Pima County: **3**:183, **18**:359n; 5 cm orange crystals; some black auriferous; some vanadinite after **14**:100–101p, **14**:104–107p,d; micro **11**:261, **11**:262p
 Padre Kino mine, La Paz County: steep bipyramidal **21**:162; steep bipyramids **15**:43
 Red Cloud mine, La Paz County: **3**:150p, **20**:(70), **20**:146, **20**:(387), **21**:159–161p, **21**:164–165p; chromian red-orange, crystals to 6 cm **11**:142p, **11**:147q,c; 1938 discovery; crystals to 6 cm **6**:176–179; 3–4 cm crystals **16**:497–499p
 Rowley mine, Maricopa County: **3**:182, **19**:(210); 1.2–2.8 cm crystals; some vanadinite perimorphs after **17**:404–405p; orange to 2 cm **22**:381; orange, yellow; thin tabular to 6 mm **5**:18d, **5**:19–22p
 79 mine, Gila County: **3**:182; clear yellow; red pyramidal **3**:253, **3**:254, **3**:261p, **3**:267p, **3**:271d; 38 mm crystal **7**:55, **7**:57p
 Silver Bill mine, Cochise County: micro **11**:261n, **11**:262p; thin yellow to 2 cm **24**:45, **24**:47p; zoned crystals **14**:128p, **14**:130
 Tombstone district, Cochise County **11**:252p, **11**:254–255n, **20**:75, **20**:387
 Tonopah-Belmont mine, Maricopa County **19**:141p, **19**:143
 Total Wreck mine, Pima County: **17**:341n; some mottramite after **3**:182
 Toughnut mine, Cochise County: **3**:182; yellow **21**:481n
- California**
 Blue Bell mine, San Bernardino County (blebs, micro crystals) **8**:496
 Empress mine, Inyo County **15**:17n
 Kalkar quarry, Santa Cruz County **17**:323n
 Thompson mine, Inyo County (micro) **15**:17n
 Zinc Hill mine, Inyo County (micro) **15**:17n
- Colorado**
 Bandora mine, San Juan County **19**:245, **19**:246
 Three localities **21**:100
- Connecticut**
 Thomaston Dam, Litchfield County (elongated) **10**:240
- Idaho**
 Sherman mine, Shoshone County (1 mm red-orange) **13**:280–281
- Maine**
 Upper Colton Hill pegmatite, Oxford County (4 mm blocky) **22**:383
- Massachusetts**
 Loudville mine, Hampshire County: **3**:148; micro bipyramidal **13**:45p, **13**:46; numerous habits to 1 cm **6**:296, **6**:298d
- Nevada**
 Chalk Mountain mine, Churchill County (red-orange crystals to 1 cm) **13**:221
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- New Mexico**
 Bobbi Dee mine, Sierra County **20**:60n
 Hansonburg district, Socorro County **20**:44
 Irish Rose vein, Luna County **20**:57n
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 Petroglyph mine, Sierra County **20**:59n
 Phelps-Dodge mine, Grant County **20**:58n
 Portales mine, Socorro County (with plattnerite after galena) **20**:43
 Red Cloud mines, Lincoln County: **20**:(61); micro **11**:71, **11**:72p
 Red Lakes prospect (“Turquoise mine”), Eddy County **20**:60
- Socorro Peak, Socorro County: **20**:61n, **20**:62p; micro **22**:384n
 Stephenson-Bennett mine, Dona Ana County: **3**:150, **20**:28–29p, **20**:30d, **20**:391; thick tabular **4**:31–32p, **4**:33–34
 Tres Hermanas Mountains, Luna County **20**:(57)
- Pennsylvania**
 Chester County mine **20**:381p
 Phoenixville **20**:381p, **20**:383
 Wheatley mine **3**:148, **20**:383d
- Utah**
 Gold Hill mine (steep bipyramidal) **24**:18p, **24**:20
- Wales**
 Dyfed
 Bwlch-Glas mine: micro acute bipyramidal **13**:151, **13**:152–153p; pseudo-octahedral micro **21**:492n
- Zaire**
 M’Fouati (fist-sized crystals) **3**:200p
 Musonoi mine **20**:(280), **20**:(284)
- Zambia**
 Broken Hill mine **11**:347

WURTZITE

All polytypes

Bolivia

Animas vein, Potosí Dept. (2.5 cm leaves covering matrix) **21**:98

Locality not specified (blue) **10**:297

Montserrat mines, Oruro Dept. **5**:164n, **6**:132n

Oruro Dept. (numerous localities) (crystals to 1 cm) **6**:132

Canada

Northwest Territories

Nanisivik mine, Baffin Island (platy) **21**:533

Ontario

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

Québec

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

Czech Republic (formerly Czechoslovakia)

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

Italy

Tuscany

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

Namibia

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

United States

Arizona

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

Connecticut

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

New Jersey

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

Ohio

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

Pennsylvania

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

Zambia

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

WYARTITE

Zaire

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Oldman Ranch, Encampment, Carbon County
21:485s

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