

QUARTZ

Chalcedony and opal listed separately

Alternate coating of terminal faces explained **2:17ff**
Amethyst occurrences in eastern U.S., approx.
200 listed **21:203–213c,p**

Amethyst structure, color, etc. **3:221–225q**

“Aqua Aura” (synthetically blue) **20:323**

Artificially color-intensified rose quartz **18:375**

Bergkristall (*ExtraLapis* No. 3) **25:305b**

Bergkristall; *Stein der Weisen der Wissenschaft*
(rock crystal) **24:399b**

Blue color, causes **2:79–82p,q**

Enormous crystal (8000 kg) **18:245p**

Exhibit at Royal Ontario Museum; morphology,
twinning, etc. **4:7–14d,c**

Faden habit, origin, table of 24 notable localities
21:191–201p,d,c

Japan twins, morphology and 77 world occur-
rences **10:137–146p,d,c**

Kristall Alpin (*ExtraLapis* No. 5) **25:305b**

Polyhedral “box” habit explained **5:222**

Rose quartz, color due to minute oriented rutile
2:226–227q

Smoky and amethystine, causes of color **20:365–**
367q

Toxicity **11:10**

Australia

New South Wales

Arsenic shaft, Kingsgate mines (clear crys-
tals mined for piezoelectric use) **16:269,**
16:273

Garrawilla area **19:396p**

Giant Blow pipe, Kingsgate mines (distorted)
16:284–285c,d

Hillgrove **18:29n**

Kingsgate mines: smoky zoning shows Bra-
zil twinning **16:284**; varied inclusions
16:285

Old 25 mine, Kingsgate mines: euhedral
crystals with euhedral arsenopyrite inclu-
sions, all in massive arsenopyrite **16:279n**;
oddly distorted **16:285c,p**

Prospect quarry (fibrous spherulites in heu-
landite, tentative id) **25:194**

Queensland

Mt. Glorious mine **19:488**

Mt. Isa mine (boulangerite in) **19:478, 19:483**

South Australia

Beltana mine (to 1 cm, some doubly termi-
nated) **22:453**

Burra Burra mine (prismatic to 10 cm; vari-
ous colors, habits) **25:127**

Moonta mines (smoky) **19:415p, 19:416**

Wallaroo mines **19:416**

White Rock quarry (doubly terminated, some
Japan-law twins) **24:49n**

Victoria

Crystal sketches from 1870 **19:362**

Fryerstown, near Castlemaine **18:29n**

Kitty Miller Bay, Phillip Island (amethyst)
19:456

Moralla, near Cavendish: smoky **20:72n**;
smoky, doubly terminated **18:141, 18:144p**
Morally (smoky, 2–4 cm doubly terminated)
21:487n

Austria

Bleiberg district (some rhombohedral, dihex-
agonal) **17:367**

Eiskögele, Salzburg (huge crystals) **17:107**

Knappenwand, Salzburg **17:178**

Modriach, Carinthia/Styria (rutile in) **17:(106)**

Saualpe, Carinthia (rutile in) **17:(106)**

Schafkar, Salzburg (sagenitic rutile in) **13:173n**

Schwemmois quarry, Steiermark (Styria)
17:106n

Zillertal Alps, Tyrol (amethyst, some scepters)
17:107n

Bolivia

Chambillaya mine, near Quime (Japan twins to
6 cm) **10:139**

El Dragón mine, Potosí (3 mm euhedral)
21:139n

Brazil

Bahia

Brumado: casts after unknown **20:394**; crys-
tals to 20 cm; Japan twins to 15 cm
9:198p, 9:201p, 9:203; green-tinted
23:497n; Japan-law twins to 5 cm **23:432n**

Coruja mine (amethyst; turns yellow-brown
on heating) **8:386**

Fazenda Recruta, northwest of Vitoria da
Conquista (large black crystals, odd mor-
phology) **4:264–266p,c**

Ibitiara: rutiled **2:12n**; rutiled to 12 cm
19:335n; smoky, gwindel habit **21:(487)**

Itabira (rutiled) **20:(394)**

Joanina mine (grey, violet termination) **8:387**

Pedra Preta mine (Japan twins to 12 cm)
7:129–130p

Quartzo Róseo, near Ribeirão do Largo (rose
quartz) **8:385**

Serra Negra, Baixo (scepters to 15 cm)
22:387n

Undisclosed locality (with amethyst core)
19:335n

Espirito Santo

Mimosa (near): amethyst scepters, cavernous
terminations, some {0001} faces **23:432n**;
smoky, with gem topaz **17:149p–150**

Minas Gerais

Araçuaí area pegmatites **12:74**

Buenopolis (blue due to included clay)
17:339n

Campo do Boa, northwest of Capelinha (clear
crystals) **5:226, 5:228p**

Cedro farm **6:286n, 6:288p**

Conselheiro Pena (near) (smoky) **18:245n**

Corinto (complex terminations) **19:335n**

Córrego do Urucum pegmatite (colorless,
smoky, rose) **17:311–312**

Córrego Frio mine, near Linópolis **14:233**

Cruzeiro mine **11:370, 18:365n**

Diamantina (Brazil, Dauphiné, Japan twins)
2:12n

Divino das Laranheiras **19:335n**

Énio pegmatite, near Galiléia (core of peg-
matite) **12:71**

Fazenda Guariba, near Presidente Kubitschek
(milky; clear to 20 cm) **17:193p**

Gouveia: Brazil, Dauphiné, Japan twins
2:12n; Dauphiné twins **21:487n**

Itinga (rose) **19:117n**

Jaguaraçu pegmatite (with various inclusions)
25:166p, 25:170

Jequitinhonha River, near Taquaral (deep
rose crystals with eosphorite) **2:12**

Jonas mine, near Conselheiro Pena (flat, with
green tourmaline) **13:51**

Laranjeiras mine, Taquaral district (rose
quartz crystals) **11:377–379p**

Lavra da Ilha, near Taquaral: **20:(394)**; rose
19:120n; rose quartz; some crystals **4:212–**
213p

Lavra Pedra Alta, Conselheiro Pena **19:335n,**
20:394

Locality not specified; prob. Minas Gerais
(hollow boxlike structures) **10:123**

Matagrande farm **6:286n**

Montezuma mine (amethyst; 3-faced termi-
nations; turns green on heating) **8:385–**
386p

Morro Velho gold mine (some euhedral pyr-
rhotite in) **4:228p**

Ouro Preto region (topaz in) **20:228**

Pedra Alta mine, Baxio (smoky, parallel
groups) **21:(487)**

Pitorra mine, near Galiléia: **21:256n, 21:409–**
412p; rose quartz, crystals **21:97n**

Regal mine, near Araçuaí (rose quartz, crys-
tals) **21:97n**

Salinas (smoky) **19:335n**

Santa Rosa (“cockscorb” clusters) **18:365n**

Sapucaia mine (smoky, with rose crystals in
parallel) **14:(174p)**

Trino mine, Ouro Preto region (topaz, fluid
inclusions) **2:12n**

Urubu pegmatite, Araçuaí area (to 1 m; milky
quartz emits H₂S when broken) **12:75**

Virgem da Lapa pegmatites **13:27**

Zé Pinto mine, Conselheiro Pena (smoky, to
20 cm) **21:408n**

Paraíba

Alto Benedito pegmatite (milky crystals to
15 cm) **22:185n**

Rio Grande do Sul

Irai (large amethyst plates, geodes) **25:60**

Localities not specified: **20:(394)**; amethyst,
geodes **19:(335)**; rutile epitaxial on hema-
tite, in **18:143p**

Planalto (flower-like clusters) **21:(488)**

Various localities (enormous amethyst
geodes) **23:282**

Rose quartz, artificially color-intensified **18:375**

Bulgaria

Madan orefield (some amethyst) **22:444**

Ninth of September mine **20:(394)**

Canada

British Columbia

Bluebell mine, Riondel (crystals to 30 cm)
8:34–35p, 8:36

Foley Mountain, Hope (Japan twins, one
sceptered) **19:333n**

Mt. Washington mine, Vancouver Island
15:90n

Rock Candy mine, near Grand Forks (drusy,
some coating octahedral fluorite) **12:100–**
101p

Northwest Territories

Nanisivik mine: **21:533p**; smoky, overgrow-
ing pyrite after twinned marcasite **18:362**;
smoky, to 6 cm **21:485n**

Port Radium **20:204**

Nova Scotia

Boylston (near) (clear; orange) **23:428**

Ontario

Arnprior (micro pseudocubic ferruginous)
4:184

Beaver mine, near Stanley (amethyst) **21:485n**

Diamond Willow mine, Thunder Bay area:
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hematite inclusions **13:67–70p**

Greely (smoky) **20:391**

Long Lake mine, near Parham (dipyramidal)
13:84

Lyndhurst mine, near Black Rapids **13:83–**
84p

Mamainse Point mines (brilliant drusy in odd
shapes) **13:107n**

Marble Rock, Leeds County **13:83n**

Rosspport (near) (micro smoky) **13:107**

Thunder Bay area (micro crystals, smoky,
amethystine) **13:107**

Québec

Drummondville area (some amethyst) **19:(334)**

Francon quarry (pear-shaped aggregates)
9:105

- Mt. St-Hilaire: crystals to 15 cm, colorless, grey, smoky; some with fl. zone **21:330**; micro Japan-law twin **23:429n**; smoky **13:(243)**
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 Sherbrooke area roadcuts: **20:217–219p,c**; chamosite in **20:217–219p**
 Windsor, Sherbrooke area **18:363n**
 Yukon
 Rapid Creek/Big Fish River area (some tapered trigonal) **23:Y30p,d,c**
- China**
 Hunan, Guizhou, or Kweichow province (cinabar in) **19:114p, 19:115n**
 Leiyang, Hunan **20:394**
 Szechuan (smoky, gwindel) **20:69n, 20:394**
- Colombia**
 Alto de Cruzes, Santander (some Japan twins) **17:210p**
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- England**
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 Botallack district (various habits) **24:281**
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 Durham
 Boltsburn mine, Weardale (drusy; some bipyramidal to 14 mm) **13:13–15p,c,q**
- Finland**
 Sodankylä, Lappi (amethyst; major find) **23:433**
- France**
 Font Sante mine, Var (micro with Dauphiné and other twinning; chalcedony after some) **8:309n, 8:311p**
 Mont Blanc (smoky, gwindel) **19:113n**
 Rémuzat, Drôme (“Mirabeau diamonds”) **10:122**
- France/Switzerland**
 Mont Blanc region (smoky, with pink fluorite) **9:132**
- Germany**
 Bavaria
 Bayerland mine **19:124n**
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 Ems district (crystals to 2 cm) **15:342**
 Laacher See area, Eifel district: hexagonal “high” quartz **8:316d**; tessin **10:94p**
- Greece**
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- Greenland**
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- Iceland**
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- India**
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- Indonesia**
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- Italy**
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 Chihuahua
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