CACOXENITE

Brazil
Minas Gerais
Sapucaia pegmatite, Galiléia: tiny hourglass-shaped acicular bundles **30:**353
Hungary
Rudabánya: crystals to 1 mm in single specimen **32:**110
Spain
Horcajo: rosettes and botryoidal crusts **26:**146n
United States
Alabama
Red Ball mine, Calhoun County: in earthy "bog iron" **26:**218n, **26:**475n
Nevada
Gold Quarry mine, Eureka County: druses and spherules **26:**453
Willard mine, Pershing County: crusts, spherules in large matrix coverages **32:**300

CAFARSITE

Italy
Piemonte
Monte Cervandone, Val d'Ossola **27:**(149)
Switzerland
Mt. Cherbadung, Valais: green-stained cubes to 1 cm **27:**220n; loose crystals of various habits to 2 cm **30:**221n
Wannigletscher, Mt. Cherbadung, Valais: sharp, lustrous crystals to 2 cm **31:**279n

CAHNITE

Italy
Lazio
Vallerano quarry: fine microcrystals **27:**152

CALAVERITE

Canada
British Columbia
Engineer mine, Tagish Lake: questionable locality attribution **27:**272
United States
Colorado
Cresson mine, Cripple Creek, Teller County: several-mm masses **26:**478n
Cripple Creek mines, Teller County: crystals to 3 mm in matrix **30:**49n
Various gold telluride deposits **35:**(62)

CALCIOANCYLITE-(Ce)

Canada
Quebec
Mont St.-Hilaire: pale pink microcrystals **32:**403, 404

CALCIOANDYROBERTSITE

Namibia
Tsumeb: interleaved with andyrobertsite on only known specimen **30:**No. 3 (cover); complete description **30:**181–186p,q; comments in letters **31:**447

CALCIOARAVAIPAITE

United States
Arizona
Grand Reef mine, Klondyke, Graham County: new species **27:**293–300c,d,g,p,q

CALCIOBETAFITE

Germany
Eifel **26:**(145)

CALCIOBURBANKITE

Canada
Quebec
Mont St.-Hilaire: outer layer on sharp microcrystals of petersenite-(Ce) **29:**491p

CALCIOHILAIRITE

Canada
Quebec
Saint-Amable sill: microcrystals, 2 specimens known **29:**95q

CALCITE

Fluorescence in calcite (3 abstracts) **27:**23–25
Theme mineral for 1996 Tucson Show **27:**222
Australia
Queensland
Red Dome gold mine, Chillagoe: 10-cm crystals with malachite, azurite inclusions **26:**579n; two-generational crystals to 15 cm **28:**201n; waterclear crystals to 4 cm **31:**283n; complex, lustrous, transparent colorless crystals to 12 cm **35:**257n
Austria
Fohnsdorf: fluorescent in varicolored bands **27:**23–24
Vorarlberg
Saint Gstöl: curved fishtail twins to 10 cm **30:**41n
Azerbaijan
Dashkesan: scalenohedrons, some twins, to 5 cm **27:**452n; 6-cm twin **28:**133n; pinkish heart-shaped twins to 5 cm **29:**136n
Belgium
Mont-sur-Marcienne: orange scalenohedrons to 18 cm **26:**98; gemmy medium-orange crystals **27:**221n; gemmy twinned scalenohedrons to 4 cm **28:**65n
Bolivia
Cerro Rico de Potosí, Potosí (?): 1808 drawings of calcite from "Potosí" **30:**21
Pacajake mine, Potosí: small crystals with selenium minerals **34:**348
Brazil
Rio Grande do Sul
Irai: scalenohedrons with chlorite inclusions **26:**575n; euhedral crystals to 10 cm in amethyst geodes **31:**182q
Nonoaî: white, lustrous butterfly twins to 4 cm **35:**253n
Locality not specified: crystal with amethyst microcrystals in geode **35:**159n
Locality not specified: twins to 3.5 cm **33:**259n
Bulgaria
Droubja mine, Laki distrrict: scalenohedrons coated with pale brown siderite **32:**58n
Erma Reka mine, Zlatograd: manganoan, pink 5-cm scalenohedrons **30:**221n
Madan district: large pink manganoan calcite plates **32:**58n
Canada
British Columbia
Engineer mine, Tagish Lake: gangue mineral, Fe oxide-coated crystals **27:**269
Silvana mine, Sandon: euhedral crystals, various habits, to 4 cm **27:**436
Van Silver mine: white to yellowish flattened rhombohedrons to 3 mm **31:**224
Northwest Territories
Pine Point mine: white, yellow and orange crystals to 7 cm in large groups **32:**56n
Polaris mine, Little Cornwallis Island: yellow scalenohedrons to 3.5 cm **26:**578n; golden rhombs, scalenohedrons to 5 cm **28:**136n
Ontario
Flamborough & Canada Crushed Stone quarries **35:**(152)
Quebec
LAB mine, Black Lake: pale yellow dogtooth crystals **31:**511n
Lac Nicolet mine, South Ham: fluorescent cleavage masses **27:**126
Mont St.-Hilaire: thumbnail-sized pseudomorphs after shortite **30:**216n; spiky balls **32:**403
Saint-Amable sill: druses of yellow microcrystals, various forms **29:**95
Colombia
Coscuez-Los Gavilanes mine, Boyaca: included white, emerald matrix **26:**149n
China
Chenzhou, Hunan: hematoid, butterfly-twinned crystals to 5 cm **29:**133n
Guiyang, Hunan: 6-cm twins on matrix **29:**218p
Hua Zhou mine, Guangxi: colorless transparent prisms resembling quartz (see also Shizhuyuan mine, Hunan) **32:**256n
Hunan: large groups with brown hematite inclusions **29:**140n; twins on 25-cm matrix **31:**42p
Hunan: milky tan "Chinese peasant hatlike" crystals in groups to 30 cm **26:**492n
Lan Tan, Guingxi: complex orange gemmy crystals with stibnite **31:**281p, 283n
Lei Peing mine (?), Chenzhou, Hunan: 3-cm butterfly twins on hematite-dusted scalenohedrons **28:**212n
Lian Xian, Guangdong: quartz-coated scalenohedrons with uncoated tabular white crystals **35:**256n, 258p
Locality not specified: heart-shaped twin encased in pyrite **35:**145n
Locality not specified: steep rhombohedral white crystals to 10 cm **31:**97–98n
Nan Jing, Hunan: lustrous hexagonal crystals resembling English specimens **31:**512n
Shanhauo Po mine, Chenzhou: gray flattened rhombs to 8 cm with fluorite **28:**61n; hematoid twins **29:**217–218n
Shimen mine, Hunan: white dogteeth with realgar **26:**98; with realgar **26:**228n
Shizhuyuan mine, Hunan: colorless transparent prisms resembling quartz **32:**61n
Wuling mine, Jiangxi: massive with stibnite **33:**143
Xuanghualin mine, Chenzou, Hunan: lustrous gray lenticular crystals with fluorite **28:**133n, 135p; white tabular crystals on fluorite **28:**412n; contact twins to 3 cm with scalenohedral calcite **29:**133n
Czech Republic
Cicov Hill, Horenec, near Bilina, Bohemia: yellowish to greenish veins **35:**141
England
Cumbria
Brownley Hill mine, Alston Moor: prismatic and platy crystals to 3 cm **31:**244p
Egremont: doubly terminated crystals in large group **30:**467n; 7.5 x 7.5-cm group **34:**86n
Locality not specified **29:**No. 3 (cover)
Stank mine: fine miniature **26:**98
Northumberland
Nentsberry Haggs mine: pseudomorphs after witherite **27:**217n
Somerset
Higher Pitts mine, near Priddy: gangue mineral, crystals to 5 cm **27:**252
France
Ancenis, Loire Atlantique: red/yellow phantom crystals to 5 cm **31:**99n
Cabreret, Dorgone: "sand" calcite in tan rhombohedrons to 3 cm **30:**219n
La Combe de la Selle, Isère: lustrous crystals to 20 cm, clusters to 40 cm **32:**227
Lingoutte, Alsace: old specimens of purple calcite **28:**65n
Trimouns quarry, Luzenac, Ariège: crystals of varied habits to 20 cm **35:**234–235

Germany
Harz Mountains
Andreasberg: pale yellow 10-cm crystal group **30:**89p
Rheinland-Pfalz
Fischbach, near Idar-Oberstein: superlative thumbnail **35:**154n
Hungary
Rudabánya: rhombs and hexagonal prisms to 1 cm **32:**110
India
Ahmadnagan, Maharashtra: 3-cm crystals coated with prehnite **26:**152n
Bombay, Maharashtra: three generations, crystals to 3 cm **34:**69
Dahisar quarry, Bombay, Maharashtra: various specimen styles **34:**38p, 70
Deccan Plateau: general summary **34:**36–40c,d,p
Indian calcite collection marketed **35:**149n
Jalgaon: optical-quality **28:**133; cabinet-size crystal clusters **30:**467n; stacked twins coated with drusy quartz **31:**100n; pale yellow crystals to 10 cm **34:**37p, 38p, 72
Kolar, Maharashtra: 10-cm crystal with scolecite, apophyllite **34:**40p
Mahad, Maharashtra: transparent rhombohedrons **34:**73
Malad: prehnite pseudomorphs after 10-cm crystals **26:**495n
Nasik, Maharashtra: colorless and yellow rhombohedrons to 10 cm **34:**38p, 75
Pashan Hills, Maharashtra: 10-cm yellow rhombohedron with apophyllite **34:**37p
Pathanwadi-Kurar, Bombay/Malad, Maharashtra: rhombohedrons to 13 cm on prehnite **34:**279p, 283n
Poona, Pashan Hills, Maharashtra: yellow rhombohedrons to 15 cm **34:**76
Shakur, Maharashtra: varicolored crystals **34:**40p, 77
Shirdi, Maharashtra: small brownish yellow rhombohedrons **34:**77
Wagholi quarry, Poona, Maharashtra: rough rhombohedrons with cavansite **34:**38p, 77
Italy
Liguria
Val Graveglia: colorless scalenohedrons to 5 cm, vein fillings **32:**359p, 361
Tuscany
Carrara: complex habits **27:**58
Serravezza: clear rhombohedral and twinned crystals to 1 cm **27:**50, 52p, 58
Kazakhstan
Dzhezkazgan: hematite-dusted butterfly twins to 3.5 cm **32:**54–55n
Rudny: **26:**533p; honey-yellow pseudocubic, one butterfly twin **27:**141n; 18-cm crystal cluster **31:**390p
Sarbayskaya quarry, Rudniy: pale orange twinned crystals **27:**63n
Sarbayskiy mine, Rudnyy: **28:**(133); 25-cm clusters of tapering prisms **34:**282n
Sokolovskiy quarry, Rudnyy, Kustanay Oblast: 6-cm crystals on chabazite **26:**579n
Sokolovskoye, Rudnyi: honey-yellow blocky crystals **26:**143n
Mexico
Baja California
Boleo deposit: small veins **29:**38
Chihuahua
Los Lamentos district: crusts, stalactites, small crystals **34:**LL23
Naica: penetration-twinned crystals with fluorite **30:**469p, 470n
San Pedro Corralitos: arborescent cave growths **35:**GU16
Coahuila
Sierra de Cruces: massive in grossular-bearing skarn **34:**LL75
Durango
Jose Maria Patoni (formerly Rodeo): butterfly twins to 4 cm **35:**149n
La China & La Reina mines, Mapimí district: white modified crystals **34:**OJ59
Ojuela mine, Mapimí: crystals of many colors and forms to 5 cm **34:**OJ58–59p
Rodeo (see also Jose Maria Patoni): gray transparent crystals, butterfly twins to 15 cm **33:**86n
Guanajuato
Locality not specified: fluorescent pink and white **27:**23
Valenciana mine, Veta Madre: attractive specimens with quartz **26:**496n
Guerrero
Taxco: pale greenish druses **27:**456
Veracruz
Las Vigas region: small crystals in amethyst pockets **34:**LL63
Zacatecas
San Martin mine, Sombrerete: lustrous twinned scalenohedrons to 4.5 cm **27:**216n; colorless transparent prisms to 5 cm in clusters **27:**452n, 455p
Morocco
Aghbar mine, Bou Azzer: cobaltoan, rich pink 4.4-cm specimen **35:**147p; cobaltoan, 10 x 10-cm group on pyrite **35:**148n; cobaltoan, bright pink **35:**156n, 157n
Bergamon, Meknes: V-twins on grayish calcite-cast matrix **33:**524n
El Hamman mine: twinned crystals to 8 cm **33:**524
Namibia
Abenab mine, Otavi Mountain Land: colorless crystals to 3 cm **28:**121, 122p
Onganja mine, Seeis: colorless crystals enclosing copper, cuprite **27:**90p, 92
Tsumeb: **28:**(132), **29:**(136)
Norway
Kjorholt, Langesundsfjord: greenish gray phantom crystals to 3 cm **27:**214p, 217n
Kongsberg mines: crystals to 10 cm, some recently found **32:**197, 199p, 204
Pakistan
Skardu (near airport): colorless to pale gray scalenohedrons to 3 cm **29:**217n
Peru
Atacocha mine, Atacocha district, Pasco Dept.: twins encrusted by rhodochrosite **34:**247
Casapalca district, Lima Dept.: white to cream-colored, thin scalenohedrons or "nail-head" rhombs, pink manganoan scalenohedrons to 10 cm **28:**P81; pink scalenohedrons, manganoan **34:**249
Castrovirreyna district, Huancavelica Dept.: pink manganoan coatings **28:**P93
Hercules mine area, Ancash Dept.: specimen-quality **28:**P62
Huanzala mine, Huallanca district, Huanuco Dept.: white or green rhombs and scalenohedrons to 3 cm **28:**P49
Ica region: orange scalenohedrons to several cm with opaque crusts **34:**251
Milpo mine, Atacocha district, Pasco Dept.: multi-generational crystals **34:**247
Pachapaqui district, Ancash Dept.: white to pink manganoan crystals, various habits, to 10 cm **28:**P43–45p; crystals, stalactiform aggregates, manganoan **34:**243
Pacococha district, Lima Dept.: long colorless crystals **28:**P84
Quiruvilca district, La Libertad Dept.: white to gray blades to 1 cm **28:**P24
Raura district, Lima Dept.: white to cream crystals, "witches hat" habit **28:**P38
Romania
Boldut mine, Cavnic, Maramures: pale yellow "hedgehogs" to 3 cm **28:**137n; frosty lenticular crystals to 3 cm **31:**99n
Herja mine, Maramures: including boulangerite **27:**456; gray spheres with tan cores **29:**140n; gray, curved rhombs to 5 cm, spheres to 10 cm **30:**216p, 221n
Turt mine, Satu Mare, Maramures: white spherical aggregates to 7.5 cm **32:**497n
Russia
Dal'negorsk, Primorskiy Kraj: flawless 20-cm twin **26:**98n; colorless dogtooth crystals **26:**152n; single white 10-cm crystals **26:**575; thumbnail-sized loose bladed twins **26:**583n; fluorescent **27:**No. 1 (cover), **27:**9p, **27:**21; huge variety of habits **27:**141n, **27:**(147); 9-cm butterfly twin **28:**133n; small specimens of crystals with ilvaite **28:**412n, **29:**(136); spheroid on quartz **31:**40p; with included aragonite **32:**10p; crystals of various habits to 60 cm, twins, pseudomorphs **32:**12–13p
Dodo deposit, Subpolar Urals: four generations, white rhombohedrons to 200 kg **30:**434–436
Locality not specified: twinned crystals to 2.5 cm **27:**389n; white 20-cm rhombohedron **32:**493n
Puiva deposit, Subpolar Urals: crystals of varied habits, colors to 10 cm **30:**457
Talnach, Norilsk, Siberia **26:**(228); pseudocubic crystals **28:**137n
Scotland
Isle of Skye **30:**(41)
Slovakia
Pezinok mine, Pezinok: rare crystals to 1 cm with stibnite **31:**157
South Africa
Cape Province
Jan Coetzee mine, Okiep district: good crystal specimens **35:**304, 310–311p, 313p
Kalahari manganese field: brilliant colorless crystals to 3 cm **33:**523n; lustrous, colorless transparent crystals **34:**92n
Nababeep West mine, Okiep district: scalenohedrons to 4.1 cm **35:**314p
N'Chwaning I mine, Kuruman: 3-cm sphere of crystals **29:**495p
Okiep district **35:**(315)
Transvaal
Vaalkop Dam, Bushveld Complex: Fe-stained rhombohedral **29:**464
Spain
Aliva (La Providencia) mines, Picos de Europa, Santander: fine crystals to several cm **27:**183p, 184
La Florida mine, Cantabria: gemmy, complex rounded crystals on dolomite **31:**286n
Moscona mine, Asturias **30:**(153)
Parajola mine near Algameca, La Union area: crystals with barite **31:**286n
Santander: fluorescent red and white **27:**23
Sweden
Götland Island: colorless crystals with barite **27:**208
Malmberget mine: calcite pockets to 7 meters found **26:**498; transparent orange 13.6-cm cluster **33:**No. 3 (cover)
United States
Alaska
Green Monster Mountain, Prince of Wales Island: gray-white crystals to 14 cm in skarn cavities **35:**394, 404p

Arizona
Camp Verde, Yavapai County: blue pseudomorphs after glauberite **26:**218n; **26:**476n; genuineness of blue color questioned **26:**576n; method used to create fakes **28:**420
Holbrook mine, Bisbee: large yellow crystal groups **26:**476n,p
Lead-Silver 7 and Brick 3 (Finch) mines: brown and white crystals **26:**444
North Geronimo (Pure Potential) mine, La Paz County: 5-cm crystals covered with dusy vanadinite **27:**366, 371p
Portland mine, Mohave County: colorless crystals to 5 cm on gray rock **35:**249n
Purple Passion mine, Yavapai County: vein fillings, small crystals **31:**326
Yavapai County: green pseudomorphs after gypsum **26:**575n, 577p
California
Crestmore quarry, Riverside: crystals to 5 cm **35:**330
Colorado
Camp Bird mine, Ouray County **27:**25p
Ouray: fluorescent manganoan **27:**21
Sweet Home mine, Park County: small yellow crystals **29:**SH73p, 116, 117p
Connecticut
Bristol mine, Hartford County: white, pink crystals to 2 cm with quartz, bornite, chalcocite **32:**442–443d,p
Illinois
Annabel Lee mine, Hardin County: large scalenohedrons **28:**29p, 31p, 32
Deardorff mine, Hardin County **28:**(32)
Denton mine, Hardin County: excellent golden-yellow crystals **28:**28–32p
Irene, Mulford, Mt. Carroll quarries: 1.5-mm crystals in rosettes **26:**130c
Mahoning #1 mine, Hardin County: white crystals on fluorite **28:**31p
Minerva #1 mine, Hardin County: yellow-brown, white crystals **28:**31–32p; brown, oil-soaked crystals found in 1995 **28:**443
Spar Mountain: with gypsum **28:**32
Iowa
Peske quarry, Raymond, Black Hawk County: epitaxial growth **26:**203c,p
Kentucky
Dyers Hill mine, Livingston County: crystals to 45 cm **28:**32
Halls Gap, Lincoln County: druses, hemispheres, crystals to 5 cm, solid fillings in geodes **28:**373, 374p
Maryland
Unspecified limestone quarry: stepped crystals **30:**40n
Michigan
Caledonia mine, Ontonagan County: 4-cm crystals enclosing copper **26:**481p, 482n, **28:**52
Missouri
Brushy Creek mine, Reynolds County **26:**151p; very large crystals with marcasite **26:**481p,482n
Fletcher mine, Reynolds County: yellow scalenohedral crystals to 10 cm with red hematite phantoms **30:**212p, 215n
Montana
Butte, Silver Bow County: crystals to 5 cm, various habits **33:**44–45p
Nevada
Barrick Meikle mine, Carlin, Elko County: crystals to 2 cm with barite **29:**212n; smoky and greenish crystals to 15 cm **30:**40n; pale yellow twins **30:**151n; green bladed calcite in huge pockets hosting barite crystals **30:**188–191h; gray-white scalenohedral crystals **30:**195p; 6.7-cm twinned crystal **30:**212p; with golden yellow barite **30:**467n
Dee North mine, Elko County: colorless to pale green crystals to 1 cm **33:**233
Getchell mine, Humboldt County: smoky gray flattened rhombs to 3 cm with realgar **30:**213n
Gold Quarry mine, Eureka County: thick veins, crystals to 5 cm **26:**453
Willard mine, Pershing County: "cave deposit" cavity fillings **32:**300
Zapot pegmatite, Mineral County: fracture-fillings, microcrystals **30:**283
New Jersey
Franklin: fluorescent calcite **27:**11q, 13p, 18q, 21, 23, 26, 28p
Millington quarry, Somerset County: **26:**(578), **27:**(147); modified rhombohedrons and scalenohedrons to 6 cm **31:**405p
Prospect Park quarry **31:**(509)
New Mexico
Mex-Tex mine, Bingham: goethite-included scalenohedrons to 10 cm **30:**337–338
Waldo mine, Socorro County **27:**17p, 24p
New York
Eastern Rock Products quarry, St. Johnsville: fine crystals with "Herkimer" quartz **27:**449n
Hyatt mine, Talcville, St. Lawrence County **26:**(483)
Kingsbridge, Manhattan, New York City: scalenohedrons to 1 cm **28:**467p
Long Lake, Hamilton County: 2 generations in vein cavities **31:**414–415c,d,p
Rossie, St. Lawrence County: fine, complex crystals **32:**280–285d,p,q, 289q
ZCA mine, Edwards: pale purple twins to 3 cm **28:**131n
North Carolina
Crabtree quarry, Wake County: small gray rhombs with siderite, biotite **32:**248
Oklahoma
Arbuckle Mountains: large, complex crystals with organic inclusions **26:**483n
Oregon
McMinnville, Yamhill County: butterscotch rhombs to 3 cm **26:**218n, **26:**485n, **26:**582n
South Dakota
Fall River County: transparent orange-tinted rhombs to 1 cm on limestone **32:**53n
Tennessee
Alum Cave Bluff, Sevier County: crude brownish gray microcrystals **31:**169
Elmwood mine, Smith County: **27:**(171); 50 fine specimens at Ste.-Marie **32:**493n; lustrous, gemmy, orange crystals to 15 cm **33:**83n, 84p
Texas
Karnes uranium district south of San Antonio: fluorescent **27:**26g,h
Terlingua: fluorescent in different colors **27:**24–25q
Utah
Hidden Treasure mine, Tooele County: grayish white microcrystals **26:**147n, **26:**(486)
Horse Canyon, San Juan County: green vanadian crystals **26:**486n
Topaz Mountain Rhyolite, Juab County **26:**TZ(59)
Wisconsin
Flambeau mine, Ladysmith, Rusk County: translucent white crystals **30:**114
Schullsburg: crystals to 3 cm on galena/marcasite **32:**53n
Vulcan quarry, Racine: large gray scalenohedrons with pyrite, marcasite **26:**486n
Uruguay
Locality not specified: spray of 10-cm crystals on amethyst **32:**492n; small crystals on amethyst **34:**87n
Wales
Taffs Wells quarry near Cardiff: large scalenohedrons **26:**494n
Ton Mawr quarry, Cardiff: flattened rhombs, various colors, to 9 cm **31:**195–196n
Zaire
Dikuluwe mine, Kolwezi, Shaba: deep pink cobaltoan **26:**579n
Katanga Crescent mines: pink cobaltoan crystals **30:**261, 262p; **30:**269–273p,q; fine matrix specimen **34:**86n
Kipushi mine, Shaba: crystals to 6 cm, "french fry" crystals **26:**177–178c,d,p
Mashamba West mine, Shaba: cobaltoan **27:**66; pink cobaltoan scalenohedrons and hexagonal prisms to several cm **30:**261, **31:**(213)
Mindingi deposit: pink cobaltoan crystals **30:**261
Mupine mine: pink cobaltoan crystals **30:**261, 262p, **31:**(213)

CALEDONITE

United States
New Mexico
Mex-Tex mine, Bingham **30:**(338)
Snake Pit mine, Hansonburg district, Socorro County **26:**(483)

CALIFORNIA

California gold from the wreck of the *S.S. Central America* **35:**35–53
Data sought for new *Minerals of California* **30:**410
Gem and rare-element pegmatites of southern California **33:**363–407g,h,m,p
Aguanga Mountain pegmatite district, San Diego County **33:**371–373h
Audrey Lynn claim, Cahuilla Mountain, Riverside County **33:**369h
Baumann prospect, Chickencoop Canyon, Tulare County **34:**159–166g,h,m,p
Beebe Hole claim, Jacumba district, San Diego County **33:**403–404h
Benitoite mine, San Benito County **28:**452h, **29:**209s, **33:**185s, **33:**262g,h
Benton Range **28:**392s
Big Creek-Rush Creek area, Fresno County **30:**411s, 416s; **34:**159ff.
Billie mine, Death Valley, Inyo County **27:**35–40g,h,m
Black Mountain district **28:**392s
Blue Chihuahua mine, Chihuahua Valley district, San Diego County **33:**371h
Blue Lady mine, Chihuahua Valley district, San Diego County **33:**369–371h,p
Boraxo #1 and #2 claims, Death Valley, Inyo County **27:**36h
Boraxo open pit mine, Death Valley, Inyo County **27:**36h
Borges quarry, Napa County **33:**240–241
Boron, Kern County **26:**435h, **27:**36h
Carson Hill mine, Carson Hill, Calaveras County **26:**477–478s
Chickencoop Canyon, Tulare County **30:**411s
Chihuahua Valley pegmatite district, San Diego County **33:**369–371h
Clark mine, Rincon district, San Diego County **33:**389–390h,m
Clear Creek claim, San Benito County **26:**478h, **29:**137s
Clear Creek mine, San Benito County **33:**241h
Colorado Quartz mine, Midpines **26:**TZ71, **26:**219h, **27:**429–432h,m, **29:**212s, **30:**54s, **33:**183s
Columbia mine, Riverside County **33:**369h
Coyote Peak **29:**98s

Crestmore quarry, Riverside **35:**325–330g,h,m,p
Cryo-Genie mine, Warner Springs district, San Diego County **33:**261h, **33:**373–374h,p; **34:**285s
Crystal Gem mine, Jacumba district, San Diego County **33:**403–404h
Darwin mine, Darwin **26:**478s
Eagle's Nest mine, Placer County **26:**219s, **27:**59s, **31:**20s, **35:**65–72g,h,m,p
Elizabeth R mine, Pala district, San Diego County **33:**388–389h,p
Esmeralda mine, Mesa Grande district, San Diego County **31:**517s, **33:**397–398h
Fano Simmons (Fano) mine, Riverside County **26:**477s, **33:**366–367h,p
Frenchman's Reservoir, Lassen County **26:**477s
Georgetown, El Dorado County **31:**345–348h
Hale Creek mine, Trinity County **26:**477h, **31:**341–343h
Havila, Kern County **26:**218s
Hercules mine, Ramona district, San Diego County **33:**403h
Himalaya mine, San Diego County **26:**147h, **26:**477h, **28:**453h, **29:**220h, **31:**298s, **31:**517s, **33:**390–396g,h,p
Jacumba pegmatite district, San Diego County **33:**403–404g
Jamestown mine, Tuolumne County **33:**175s
Jensen quarry, Riverside County **33:**369h
Junnila property, Clear Creek district, San Benito County **30:**211s
Katerina mine, Pala district, San Diego County **33:**381–383h,m
Kingston Range, San Bernardino County **35:**143s
Leek Springs near Jamestown **35:**13s
Lila C mine, Death Valley, Inyo County **27:**36s
Lithia Dike, Riverside County **33:**367–369h,p
Little Three mine, Ramona district, San Diego County **26:**TZ23g,h, **26:**TZ25p, 38s, **26:**TZ66h, **33:**398–403g,h,p
Lodi #4 mine, Plumas County **29:**165s
Mack mine, Rincon district, San Diego County **30:**318–382h, **33:**389–390h,m
Magenta mine, Nevada County **33:**176s
Maple Lode mine, Aguanga Mountain district, San Diego County **26:**TZ66g,h, **33:**371–373h,p
McAlpine mine, Tuolumne County **26:**478s
Mesa Grande mine, Mesa Grande district, San Diego County **33:**397h
Mesa Grande pegmatite district, San Diego County **33:**390–398h,m,p
Mile Down pegmatite, Little Cahuilla Mountain, Riverside County **26:**477s
Minarets district, Madera County **29:**212s
Mockingbird mine, Mariposa County **29:**212h
Mount Hamilton, Santa Clara County **31:**335s, 336s, **33:**239–240s
Nelson Range, Saline Valley, Inyo County **28:**416h
Orestimba Creek, Stanislaus County **31:**333–338g,h
Owens Lake, Inyo County **32:**245s
Owens Valley **29:**137s
Pack Rat mine, Jacumba district, San Diego County **33:**404h
Pala Chief mine, Pala district, San Diego County **28:**453h, **33:**385–387h,m,p
Pala pegmatite district, San Diego County **33:**374–389h,m,p; **35:**160s
Palos Verdes, Los Angeles County **28:**201s
Perovskite Knob, San Benito County **28:**417s
Pescadero Beach, Pescadero, San Mateo County **33:**241–242s
Placer County **31:**19s
Point Vicente, Palos Verdes Hills **27:**456g,h
Ramona pegmatite district, San Diego County **33:**398–403g,h,m
Red Ledge mine, Nevada County **33:**175s, 176s
Reed Ranch Road, Tiburon Peninsula, Marin County **35:**249–250h
Rincon pegmatite district, San Diego County **28:**449, 452h, **33:**389–390h,m
Riverside County pegmatite district **33:**366–369h
Ryan area borate mines, Death Valley, Inyo County **27:**36h,m
San Diego County **26:**TZ14s, **26:**TZ18s
San Diego mine, Mesa Grande district, San Diego County **31:**298h, **33:**396–397h,p
San Jacinto Mountains, Riverside County **31:**512s
San Pedro mine, Pala district, San Diego County **33:**385h
Schindler mine, Riverside County **33:**367h
Shirley Ann claim, Inyo County **26:**478s, **32:**393–400g,h,m
Sixteen-To-One mine, Sierra County **27:**59h
Stewart mine, Pala district, San Diego County **28:**453h, **29:**164s, **33:**376–378h,p
Sulfur Hole, Borate **31:**174s
Thompson mine, Death Valley, Inyo County **27:**36h
Tick Canyon **27:**40s
Tourmaline King mine, Pala district, San Diego County **33:**381h
Tourmaline Queen mine, Pala district, San Diego County **28:**453h, 455s, **33:**378–381h,p; **33:**409–425g,h,m,p
Trumbull Peak, Mariposa County **30:**411–417g,h,m,p
Vandenberg mine, Pala district, San Diego County **33:**381–383h,m
Vaughn mine north of Hollister, San Benito County **33:**241s
Victor mine, Rincon district, San Diego County **33:**389–390h,m
Ware mine, Aguanga Mountain district, San Diego County **26:**TZ23s, **26:**TZ66g,h, **33:**371h
Warner Springs pegmatite district, San Diego County **33:**373–374h
White Queen mine, Pala district, San Diego County **29:**164g, **32:**333h, **33:**383–385h
Yellow Cat mine, New Idria district, San Benito County **30:**211s
Yellowjacket Extension, Alhambra mine, El Dorado County **26:**477s

CANADA
See also names of provinces
Canadian gold: a review of gold-specimen producing localities past and present (abstract) **35:**61

CANCRINITE
Discussion of cancrinite-group minerals **27:**109–112c,d,g,h,p,q
Afghanistan
Badakhshan: gray-green 2.5-cm crystal **32:**253n
Italy
Campania
Mte. Somma/Vesuvius **27:**(460)

CANCRISILITE
Russia
Locality not specified **26:**(494)

CANFIELDITE
Bolivia
Colquechaca, Potosí: sharp octahedrons to 1.6 mm **32:**471p
Locality not specified: sharp 1-cm crystals in cluster **34:**284

CANNIZZARITE
Italy
Sicily
Vulcano Island, Eolie Islands: volcanic sublimate microcrystals **30:**150n, **30:**214p

CAPGARONNITE
Hungary
Rudabánya: rare, crude black elongated prismatic crystals to 0.2 mm **32:**110p

CARBONATE-CYANOTRICHITE
Hungary
Rudabánya: pale blue acicular crystals 0.1–0.5 mm **32:**110
United States
Nevada
Gold Quarry mine, Eureka County: azure-blue 2-mm crystals **26:**453, 457p

CARBONATE-FLUORAPATITE
Canada
Quebec
Saint-Amable sill: spherical crystal aggregates to 1 mm **29:**95
Mexico
Durango
Asterillo mine, Mapimí district: white botryoidal "bone collophane" **34:**OJ54
United States
Nevada
Golconda Summit, Edna Mts., Humboldt County: 1.5-mm spherules **32:**239p
Gold Quarry mine, Eureka County: widespread crystals to 1 mm **26:**453–454
Meikle mine, Elko County: microcrystals on barite crystals **30:**196

CARBONATE-HYDROXYLAPATITE
Mexico
Durango
Ojuela mine, Mapimí: specimen once called "dahlite" **34:**OJ54

CARLETONITE
Canada
Quebec
Mont St.-Hilaire: transparent pale blue cubic crystals to 1.5 cm **32:**248n; deep blue crystal clusters to 7 cm **32:**487n, 491n, 492p

CARLSBERGITE
Locality not specified **27:**(141)

CARMINITE
Japan
Kiura mine district, Ohita Prefecture, Kyushu: microcrystals **26:**495n
Tsuzura mine, Miyazaki Prefecture, Kyushu: microcrystals **26:**495n
Mexico
Durango
Ojuela mine, Mapimí: lustrous red acicular microcrystals with calcite **34:**OJ59–60p
South Africa
Transvaal
Stavoren mine, Bushveld Complex: good microcrystals **29:**464

CARNALLITE
England
Yorkshire
Boulby mine, Loftus, Cleveland: massive in Boulby Potash bed **27:**168

CARNOTITE
Zaire
Shinkolobwe, Katanga: microcrystals **28:**209

CAROBBITE
Italy
Campania
Mte. Somma/Vesuvius **27:**(460)

CARPHOLITE

Italy
Liguria
Val Graveglia: yellow fibers, crystals to 1 cm in quartz **32:**361

CARROLLITE

Russia
Bor pit, Dal'negorsk, Primorskiy Kraj: inclusions in bismuth **32:**12

Zaire
Kambove mine, Katanga: crystals to 10 cm **30:**259p, 260
Kamfundwa mine, Katanga (corrected to Kamoya II mine): brilliant mirror-faced crystals to 5 cm **32:**251p, 252n
Kamoto-Fond mine, Katanga: lustrous cuboctahedrons to 1.5 cm **28:**415p, 417n; loose cuboctahedrons to 1.5 cm **29:**132n; perfect octahedrons and cubes to 3 cm on calcite **30:**260; single crystals **33:**481
Kamoya II (South Kamoya) mine, Katanga: brilliant mirror-faced crystals to baseball size in calcite **33:**265p, 266, 273n, **33:**(481)
Katanga Crescent region: in stratiform ore deposits **30:**259–260p
Kipushi mine, Shaba: rare crystals to 5 mm **26:**178
Locality not specified: mirror crystals to 7 cm **32:**493n, 494n; 5 x 5-cm crystal on calcite **34:**86n
Luishia open pit, Katanga: tiny perfect crystals on magnesite **30:**260
Musonoi open pit, Katanga: crystals to 5 cm **30:**260
Shinkolobwe deposits, Katanga: nickeliferous **30:**260

CARYOPILITE

Italy
Liguria
Val Graveglia: spheres to 2 mm, plates, pseudomorphs **32:**359p, 361

CASSEDANNEITE

Russia
Berezovsk, Urals: red-orange crystals in crocoite, one specimen known **32:**46h

CASSITERITE

Bolivia
Cerro Rico de Potosi, Potosi: microcrystals, massive ore **30:**21
Huanuni mine, Huanuni, Oruro: matrix for wavellite, variscite **26:**489

Brazil
Minas Gerais
Barra de Salinas: small twinned crystals **33:**216
Divino das Laranjeiras: lustrous black cyclic twins to 2.5 cm on albite **34:**278n

China
Amo mine, Ximeng, Yunnan: pale to deep brown, gemmy crystals **35:**256n
Hunan: doubly terminated 10-cm crystals **26:**492n
Huya mine, Ping-wu County, Sichuan: with muscovite, aquamarine **31:**36p
"Leng Bao Dings Hill" or "Ping Wu Town": huge twins and prisms **26:**142n,144p
Ping Wu mine, Sichuan **26:**(579)
Xianghuapu, Hunan **27:**(452)
Ximong (Ximeng), Yunnan: brilliant gemmy sixling twins to 3 cm on matrix **30:**54n; clusters of gemmy cyclic twins to 3 cm **31:**283n
Xue Bao Diang Mountain, Sichuan: brilliant clusters with scheelite **26:**228n; twinned crystals with goshenite beryl **28:**413n
Yunnan: good loose crystals and cyclic-twin groups **28:**61n; gemmy crystals **28:**65n; **28:** No. 5 (cover)

England
Cornwall
Trevaunance mine, St. Agnes **26:**MB82p
Devon
Hemerdon Ball mine, Sparkwell: microcrystals with scorodite **32:**249

France
Trimouns quarry, Luzenac, Ariège: 3.5-cm prisms, gemmy microcrystals **35:**235d,p

Hungary
Rudabánya: microscopic grains, idiomorphic crystals **32:**110

Kazakhstan
Nura-Taldy **27:**(63)

Mexico
Durango
Ojuela mine, Mapimí: small acicular crystals **34:**OJ60

Mozambique
Alto Ligonha area: reported from several pegmatites **31:**472

Russia
Chabarovsk Prymorie, SE Russia: lustrous 2-cm crystals on mica **26:**493n
Iliutin mine, Chukotka, Magadan Oblast, Siberia: black & yellow crystals **26:**492n
Merek, Habarousk region, Khabarovskiy Kray **26:**533p; 3-cm dark smoky brown crystals **27:**145n; smoky brown crystals to 3 cm **28:**136n
Nikolaevskiy mine, Dal'negorsk, Primorskiy Kraj **32:**(13)

Rwanda
Kirengo mine: complex squarish crystals, thumbnail specimens **31:**280n

Spain
Penouta mine, Orense: crude twinned crystals to 5 cm **30:**153n

United States
Maine
Bennett mine, Buckfield: 4.4-cm crystals **26:**576n; 4.7-cm crystal on microcline **28:**415p, 416n
Utah
Topaz Mountain Rhyolite, Juab County **26:**TZ(59)

CATALOGING COLLECTIONS

Record-keeping for mineral collectors (editorial) **34:**210–211

CATAPLEIITE

Canada
Mont Saint-Hilaire: pale brown rosettes to 6 cm **26:**222n, **26:**(491); sharp pale brown 2.5-cm crystal on matrix **35:**No. 2 (cover); dodecahedral pseudomorphs after fluorite to 1.5 cm **35:**250n
Saint-Amable sill: thin beige pseudohexagonal crystals to 2 mm **29:**95p

CATTIERITE

Zaire
Shinkolobwe mine, Katanga: sharp cubic crystals to 5 mm **30:**260, 262p

CAVANSITE

India
Wagholi quarry, Poona: deep blue balls **26:**141n; extraordinary bladed specimens **26:**225h,n; fine specimens available **26:**495n; bright blue hemispheres to 1 cm on stilbite **26:**575n; **27:**(212); **27:**451p; general description **34:**40–43d,p, 77; spheres to 2.5 cm **34:**86n; cases full of specimens marketed **35:**160n

CELADONITE

Brazil
Rio Grande do Sul
Irai region: in amethyst geodes **31:**182

India
Jalgaon, Maharashtra: inclusions coloring other species **34:**72
Shakur quarries near Nasik: green inclusions in heulandite **33:**274n, **34:**49

CELESTINE

Canada
Ontario
Flamborough & Canada Crushed Stone quarries **35:**(152)
Quebec
Saint-Amable sill: colorless prismatic crystals to 4 mm **29:**95

Italy
Marche
Perticara mine: colorless crystals to 5 cm with sulfur **33:**315
Tuscany
Ceragiola quarries, Serravezza: small white crystals and sprays **27:**50, 52p

Kazakhstan
Dzhezkazgan: blue miniature specimens **32:**55n

Madagascar
Locality not specified: geodes and single crystals **27:**66; fine specimen displayed **34:**87

Mexico
Coahuila
Musquiz district: colorless transparent spears to 28 cm with fluorite **30:**52n
Durango
Mapimí district mines: mediocre specimens at many sites **34:**OJ60
Ojuela mine, Mapimí: rare colorless or pale blue crystals to 2 cm **34:**OJ60

South Africa
Cape Province
Kalahari manganese field: rounded satiny blue crystals to 1.5 cm **33:**523n; curved blue aggregates **34:**92n

Spain
El Paraiso de Klein mine, Valencia: needle crystals, inclusions in gypsum **30:**153n

United States
California
Billie mine, Death Valley, Inyo County: crystals in colemanite vugs **27:**39c,p
Illinois
Annabel Lee mine, Hardin County: crystals to 3 cm, diverse habits **28:**33p
Minerva #1 mine, Hardin County: with strontianite, witherite **28:**33
Kentucky
Barnett mine: pale blue tabular crystals to 3 cm **28:**33
Jameson prospect near Salem: pale blue crystals to 3 cm **28:**33
Lexington quarry, Lexington, Jessamine County: acicular crystals to 2 cm **29:**212n
Michigan
Monroe County: blue prismatic crystals to 10 cm in large groups **33:**262p, 263n
New York
Hyatt mine, Talcville, St. Lawrence County: blue crystals to 10 cm **26:**483n
Rossie, St. Lawrence County: pale blue crystals to 3 cm **32:**283p, 284
Ohio
Stoneco quarry, Portage: loose pale blue bladed crystals to 25 cm **32:**248n

Pennsylvania
Meckley's quarry, Mandata, Cumberland County: lustrous blocky blue crystals to 3 cm **28:**58, 59p; cabinet specimens with 2-cm crystals **28:**412n; sharp, translucent blue-white crystals to 1.5 cm **30:**49n
Tennessee
Elmwood mine, Smith County: fibrous white barian celestine **27:**171–173g,p,q
Texas
Bull Creek, Austin, Travis County: lustrous gray/blue crystals to 10 cm **35:**144n
Uzbekistan
Shurab, Firgana Valley: prismatic, point-terminated crystals to 3 cm **29:**217n, 219p

CELSIAN

United States
California
Chickencoop Canyon, Tulare County: tiny grains in quartz **34:**162
Trumbull Peak, Maricopa County: colorless grains in quartz **30:**415

CENTRAL AFRICAN REPUBLIC

Bangui region **35:**29–30h,p

CERITE-(Ce)

Sweden
Bastnäs mines, Västmanland: large masses, crude crystals **35:**195d,h

CERUSSITE

Australia
New South Wales
Broken Hill **26:**(578)
Kintore opencut, Broken Hill **27:**(375)
Tasmania
Dundas Extension mine, Dundas: yellow chromian **33:**182p
Austria
Lower Austria
Sankt Joannis von Nepomuceni mine, Annaberg: sharp crystals to 1 cm **29:**184, 186p
Bolivia
Pacajake mine, Potosí: oxidation product of penroseite **34:**349
Canada
British Columbia
Van Silver mine: acicular crystals less than 1 mm on bournonite **31:**224
Quebec
Saint-Amable sill: rare thin crusts **29:**95
China
Daoping mine, Guilin, Guangxi: white iron-stained crystal clusters **32:**62n
Congo (People's Republic)
M'Fouati: translucent 4 x 4 x 4-cm cyclic twin on matrix **34:**92n
England
Cornwall
Huel Rose **26:**MB82p
Pentire Glaze mine, Endellion **26:**MB80
Cumbria
Brownley Hill mine, Alston Moor: small white acicular crystals **31:**244
Somerset
Higher Pitts mine, near Priddy: crystals, reticulated groups to 5 cm **27:**252
France
Rossignol vein, Chaillac: glassy twinned crystals to 10 cm **28:**64n
Hungary
Rudabánya: sharp, complex, colorless crystals to 1 cm **32:**107p, 110d
Iran
Nakhlak mine, Anarak district: rosettes and reticulated "snowflakes" **32:**253n
Ireland
Gorteenadiha or Gortnadyne mine, County Tipperary: white acicular crystals **30:**103
Italy
Sardinia
Monteponi **26:**(575)
Tuscany
Serravezza: grains, rare crystals to 1 mm **27:**52
Kazakhstan
Locality not specified: black crystals to 2 cm with rhodochrosite **27:**144n
Mexico
Baja California
Boleo deposit: possibly found with boleite-group minerals **29:**38
Chihuahua
Erupción/Ahumada mine, Los Lamentos district: massive ore, sand **34:**LL23
Durango
Ojuela mine, Mapimí: twinned crystals to 2 cm, pseudomorphs **34:**OJ60p
Sonora
San Francisco mine: twinned crystals in small thumbnail size **35:**GU55
Morocco
Taouz mine: "snowflake" reticulated twins to 8 cm **35:**148n
Touissit mine, Oujda: lustrous smoky brown V-twins to 5 cm **27:**211p, 212n; with anglesite on matrix **31:**39p
Namibia
Abenab West mine, Otavi Mountain Land: crystals with mottramite etc. **28:**122–123p
Berg Aukas mine, Otavi Mountain Land: with willemite, smithsonite **28:**117
Tsumeb: miniature and small-cabinet specimens **27:**389n; **28:**(132); **29:**(136); sharp, transparent twins to 1.1 cm on matrix **32:**496p; cyclic twins, reticulated groups in post-2001 workings **33:**78
Norway
Gamlegrendsåsen mine, Kongsberg: microcrystals **32:**197
Russia
Dal'negorsk, Primorskiy Kraj: acicular microcrystals **32:**13
Dodo deposit, Subpolar Urals: red-orange needle crystals to 2 mm **30:**436
Nerchinsk district, Transbaikalia **26:**MB111d
South Africa
Transvaal
Argent, Bushveld Complex **29:**(464)
Spain
Cabañes mine, Picos de Europa, Santander: twinned crystals to 1 cm **27:**184
Cartagena, Murcia: crystals to 3 cm **26:**98
San Valentín mine, La Unión-Cartagena: 2-cm pseudomorphs after anglesite **28:**409n
United States
Arizona
Brick 3 (Finch) mine, Gila County: V-twins to 1 cm **26:**444
Hull mine, Castle Dome, Yuma County: sharp sixling twins to 1 cm **29:**451–452p
Purple Passion mine, Yavapai County: brilliant crystals to 2.5 cm **31:**326, 327p
Puzzler mine, Castle Dome, Yuma County: microcrystals **29:**451
Tiger **26:**(578)
California
Shirley Ann claim, Inyo County: cyclic twins, V-twins to 4 mm **32:**396, 398p
Colorado
Bulldog mine, Creede: foot-wide group of spiky white crystals **32:**53
Idaho
Bunker Hill mine near Kellogg **26:**(478); white to colorless thumbnail-sized cyclic twins **30:**214–215n
Illinois-Kentucky
Various mines in fluorite district: coatings, tiny glassy crystals **28:**33
Montana
Butte, Silver Bow County: slender crystals with silver ores **33:**45
Nevada
Gold Quarry mine, Eureka County: rare small crystals **26:**454
New Mexico
Blanchard mine, Bingham: 14-cm twin crystal **28:**417n
Mex-Tex mine, Bingham: microcrystals coating altered galena **30:**338
New York
Rossie, St. Lawrence County: in white crusts altered from galena **32:**284
North Carolina
Davidson County: old cabinet-sized specimen **27:**389n
Pennsylvania
Wheatley mine, Phoenixville: glassy single crystals and twins to 3 cm **33:**523n
Zaire
Kipushi mine, Shaba: sharp crystals to 1 cm **26:**178c,d,h

CERVANDONITE-(Ce)

Switzerland
Mt. Cherbadung **30:**(221)

CERVANTITE

Slovakia
Pezinok mine, Pezinok: white concretional aggregates, coatings **31:**160
United States
Nevada
White Caps mine, Nye County: bladed masses **26:**482n

CESBRONITE

United States
Utah
Centennial Eureka mine, Juab County: microcrystals with utahite **28:**176p, 177

CETINEITE

Italy
Tuscany
Cetine mine, Siena: orange-red microcrystals **27:**149, 150p

CHABAZITE

Canada
Ontario
Bancroft **26:**(491)
Quebec
Maniwaki-Temiscamingue road **26:**(491)
Saint-Amable sill: rare microcrystals **29:**95–96
France
Trimouns quarry, Luzenac, Ariège: translucent white crystals to several mm **35:**235
India
Deccan Plateau: rare, crystals to 5 cm **34:**43p
Quarry #10, Kurar Hill, Bombay, Maharashtra: rare rhombohedral crystals **34:**69
Italy
Campania
Mte. Somma/Vesuvius **27:**(461)
Japan
Chojabaru, Iki island, Nagasaki Prefecture, Kyushu **26:**(495)
Ikezuki island, Nagasaki Prefecture, Kyushu **26:**(495)

Kazakhstan
Sokolovskiy quarry, Rudnyy, Kustanay Oblast: orange, with calcite **26:**579n; tan rhombohedrons to 2 mm **29:**132n
Russia
Puiva deposit, Subpolar Urals: rhombohedrons to 2 mm in clefts **30:**457
United States
New Jersey
Millington quarry, Somerset County: white crystals to 5 mm **31:**405
Sterling mine: fluorescent green **27:**26

CHALCANTHITE

Bolivia
Cerro Rico de Potosí, Potosí: post-mining efflorescences **30:**21
El Desierto mine, Potosí **34:**(304)
Hungary
Rudabánya: post-mining vein fillings, crusts **32:**110
Mexico
Durango
Ojuela mine, Mapimí: massive or fibrous in fault gouge zones **34:**OJ60
Norway
Hedmark-Oppdal mine: sharp crystals to 2.5 cm in groups **27:**143p, 146n
Russia
First Sovietskiy mine, Dal'negorsk, Primorskiy Kraj **32:**(13)
South Africa
Cape Province
Jubilee mine, Okiep district: 3.8-cm specimen **35:**311p
Spain
Río Tinto mines, Huelva: large post-mining crystals, stalactites **27:**278p, 282p, 284
United States
Arizona
Planet mine, La Paz County: blue ram's-horn specimens **26:**216p, 218n
Montana
Butte, Silver Bow County: post-mining efflorescences, stalactites **33:**45
Nevada
Gold Quarry mine, Eureka County: thin crusts **26:**454
Utah
Bingham **26:**(486)
Wisconsin
Flambeau mine, Ladysmith, Rusk County: post-mining coatings **30:**114

"CHALCEDONY"

Cryptocrystalline quartz
*After **25:**#6, see under Quartz*

CHALCOCITE

Australia
Western Australia
Telfer gold mine, Carnarvon: lustrous cruciform twins to 5 cm **32:**255p, 256n
England
Cornwall
Carharrack mine near Gwennap **26:**MB79p
Cook's Kitchen **26:**MB82p
Wheal Abraham (?): old specimen pictured in Sowerby, also pictured in *Minerals of Cornwall and Devon* **26:**MB96h
Hungary
Rudabánya: pseudohexagonal, twinned, tabular crystals to 5 mm **32:**110
Italy
Liguria
Val Graveglia: massive, rare sharp crystals to 4 cm **32:**359p, 361
Kazakhstan
Dzhezkazgan: pseudohexagonal twins to 1 cm across on 10-cm matrix **30:**224n; **33:**(97)
Mine 57, Dzhezkazgan: crystals to 2 cm **26:**492–493n
Mexico
Baja California
Boleo deposit: primary copper ore, microcrystals **29:**38–39
Durango
Ojuela mine, Mapimí: minute amounts with other sulfides **34:**OJ60
Namibia
Onganja mine, Seeis **27:**(96)
Russia
Sentyabr'skiy mine, Dal'negorsk, Primorskiy Kraj: with bornite **32:**15
South Africa
Cape Province
Messina mine: fine old specimens **35:**313
Nababeep West mine, Okiep district: twinned crystals in groups **35:**311p, 313
Okiep district **35:**(309)
Wheal Julia, Okiep district: crystals **35:**313
Spain
Hozarco, Picos de Europa, Santander **27:**(187)
Sweden
Bastnäs mines, Västmanland: masses in quartz **35:**195
United States
Arizona
Castle Dome district, Yuma County (?): massive with malachite **29:**452
Connecticut
Bristol mine, Hartford County: fine old specimens in Yale collection **30:**94–95; sharp black crystals to 2 cm in loose groups and on drusy quartz **32:**54n; superb specimens from mid-19th century **32:**443–446h,p; **33:**(524)
Kentucky
Halls Gap, Lincoln County: in geodes, identity questionable **28:**373
Montana
Butte, Silver Bow County: world-class crystals, twins, pseudomorphs **33:**45–46p
Nevada
Gold Quarry mine, Eureka County: sooty patches **26:**454
New Jersey
Chimney Rock quarry, Bound Brook: cluster of sharp 1-cm crystals **28:**508n
New Mexico
Nacimiento mine, Cuba, Sandoval County: replacing logs **28:**54
Wisconsin
Flambeau mine, Ladysmith, Rusk County: diverse specimens, crystals to 2.5 cm **26:**219g,h; remarkable crystals resembling Cornwall chalcocite **26:**486n; bronze to deep blue crystal specimens **27:**60–61n,p; summary of occurrence **28:**52–53c,g; golden and iridescent blue thumbnail specimens **29:**128n; flat of specimens **30:**37n; description of occurrence **30:**114–122c,d,p,q; **30:**No. 2 (cover); letter on collecting history **31:**213–214
Zaire
Kipushi mine, Shaba: elongated prisms (?) **26:**178

CHALCOMENITE

Bolivia
El Dragón mine, Potosí **26:**(489)
Pacajake mine, Potosí: acicular blue-green microcrystals **34:**348–349d,p
Sweden
Skrikerum **27:**(209)
Zaire
Musonoi Extension mine, Katanga: on altered digenite **30:**261

CHALCOPHANITE

Italy
Liguria
Val Graveglia: doubtful occurrence **32:**364
Mexico
Durango
Ojuela mine, Mapimí: velvety black botryoidal crusts **34:**OJ61p
Russia
Brenner mine, Dal'negorsk, Primorskiy Kraj: microcrystals in gossan **32:**15
United States
Arizona
Brick 2 mine, Gila County: black coatings and microcrystals **26:**444
Nevada
Gold Quarry mine, Eureka County: metallic rosettes to 0.1 mm **26:**454p

CHALCOPHYLLITE

England
Cornwall
Wheal Gorland: rich specimen collected in 1792 **35:**261
France
Salsigne mine, Aude: attractive blue crystals to 1 cm **28:**137n
Italy
Liguria
Val Graveglia: crystals to 1 cm in fossil wood **32:**364
United States
Nevada
Majuba Hill mine, Pershing County: blue-green crystals to 3 mm **29:**209n

CHALCOPYRITE

Azerbaijan
Dashkesan: **27:**(452); tetrahedrons to 3 cm with greenish patina **34:**92n; good specimens **34:**186n
Bolivia
Cerro Rico de Potosí, Potosí: massive, common with other sulfides **30:**21
Pacajake mine, Potosí: with clausthalite in polished sections **34:**350
Bulgaria
Madan district **26:**(141)
Mogila mine, Madan district: lustrous 1-cm crystals on drusy sphalerite **29:**216n
17th of September mine, Madan **34:**(87)
Canada
British Columbia
Engineer mine, Tagish Lake: occurrence reported in 1927 **27:**269
Silvana mine, Sandon: lustrous microcrystals **27:**436
China
Chenzou, near Yiou Guam Xiang (= Yao Gang Xian?): to 4 cm **26:**142n,144p; crystals to 5 cm with calcite **27:**449n
Leyang, Hunan (?) **26:**142
Tao Ling mine, Yue Yang City, Hunan: small crystals with fluorite **26:**142
Yaogangxian, Hunan: lustrous stacked, skeletal crystals **28:**61n
England
Cornwall
Carharrack mine near Gwennap **26:**MB79p
Cumbria
Brownley Hill mine, Alston Moor: tarnished crystals around 0.5 mm **31:**245

France
Trimouns quarry, Luzenac, Ariège: crude microcrystals **35:**235
Hungary
Rudabánya: massive ore species, disphenoidal crystals to 3 mm **32:**111
India
Dahisar quarry, Bombay, Maharashtra: crystals to 3 mm in clusters **34:**43, 44p
Italy
Liguria
Val Graveglia: large masses, crystals to 5 mm **32:**364
Tuscany
Serravezza: rare crystals less than 1 mm **27:**52
Mexico
Baja California
Boleo deposit: ore species, disseminated grains **29:**39
Durango
Ojuela mine, Mapimí: massive ore mineral **34:**OJ61
Locality not specified **30:**(41)
Namibia
Onganja mine, Seeis **27:**(96)
Norway
Kongsberg mines: rounded, tarnished crystals to 1.5 cm **32:**197
Peru
Alimon mines, Cerro de Pasco, Pasco Dept.: crystals on needle quartz **34:**248p
Casapalca district, Lima Dept.: lustrous sphenoidal crystals to 4.5 cm **28:**P81; gray crystals to 3 cm with tetrahedrite coatings **34:**249
Castrovirreyna district, Huancavelica Dept.: lustrous dark yellow-gold crystals to 2 cm **28:**P93
Colquijirca mine, Pasco Dept.: collector-quality specimens **28:**P65
Hercules mine area, Ancash Dept.: collector-quality specimens **28:**P62
Herminia mine, Julcani district, Huancavelica Dept.: collector-quality **28:**P88
Huanzala mine, Huallanca district, Huanuco Dept.: brilliant crystals to 5 cm with pyrite, fluorite **28:**P50p; sharp, iridescent sphenoids to 3.5 cm on fluorite **32:**57n
Huaron mines, Pasco Dept.: sharp, dark golden disphenoids to 5 cm **28:**P68–70p
Pachapaqui district, Ancash Dept.: sphenoidal crystals to 1 cm **28:**P45
Pucarrajo mine: crystals to 4 cm, some flattened twins **34:**244
Quiruvilca district, La Libertad Dept.: bright crystals to 1.5 cm, pseudomorphs after enargite **28:**P24
Romania
Boldut mine, Cavnic, Maramures: sharp crystals to 1 cm on calcite **31:**99n
Cavnic, Maramures: crystals to 2.5 on quartz groups to 15 cm **28:**416n; brilliant, sharp crystals to 1.5 on quartz crystal groups **30:**471n
Turt mine, Maramures: with galena, quartz, siderite **31:**99n
Russia
Dal'negorsk, Primorskiy Kraj: large group of 4-cm crystals **26:**152n; lustrous crystals **28:**133n; sharp crystals to 6 cm, with other sulfides, in several mines **32:**13–15p
Dodo deposit, Subpolar Urals: crystals to a few cm on quartz **30:**436
Puiva deposit, Subpolar Urals: crystals rarely to a few cm **30:**457
Slovakia
Pezinok mine, Pezinok: scarce grains **31:**157
South Africa
Cape Province
Jan Coetzee mine, Okiep district: good crystal specimens **35:**304, 312p
Okiep district **35:**(309)
Okiep mine, Okiep district: 12.2-cm crystal group **35:**312p
Wheal Julia, Okiep district: botryoidal and stalactitic **35:**313
Transvaal
Kruisrivier mine: massive **27:**424
Marlin Norite quarry, Bushveld Complex: crystals with apophyllite **29:**463p, 464
Spain
Eugui quarries, Navarra: malachite-coated crystals to 3 cm on dolomite **34:**281n
Nueva Vizcaya mine, Burguillos del Cerro, Badajoz: with pyrite **33:**498
Picos de Europa, Santander: altered, with chalcocite and covellite **27:**184
Sweden
Bastnäs mines, Västmanland: main ore mineral, rare crystals to 1 cm **35:**195
United States
Alaska
Green Monster Mountain, Prince of Wales Island: oxidized nodules **35:**394p
Colorado
Commodore mine, Creede: crystals with sphalerite, galena **28:**204n; crystals to 1.5 cm with sphalerite and galena crystals **33:**263n
Sweet Home mine, Park County: sharp crystals to 1 cm **29:**SH116, 117p, 136q, 140p; fine miniature specimen **34:**126
Connecticut
Bristol mine, Hartford County: crystals to 1.25 cm, rosettes, tubelike aggregates **32:**446–447p
Illinois
Denton mine, Hardin County: crystals epitaxial on sphalerite **28:**34p
Hillside mine, Hardin County: four-pound mass with fluorite **28:**34
Irene, Mulford and Mt. Carroll quarries: 2-mm crystals on dolomite **26:**130c
Rosiclare: large masses on dumps near mill **28:**34
Kentucky
Halls Gap, Lincoln County: microcrystals with millerite **28:**373, 379p
Montana
Butte, Silver Bow County: massive, botryoidal, small crystals **33:**46–48p
Nevada
Gold Quarry mine, Eureka County: minor massive **26:**454
Meikle mine, Elko County **30:**(196)
New Mexico
Ground Hog mine near Vanadium: brilliant crystals on needle quartz **28:**54
Mex-Tex mine, Bingham: altered disphenoidal 1.5-cm crystals **30:**338
San Pedro mine, Santa Fe County: altered disphenoids to 9 cm **28:**54
New York
Rossie, St. Lawrence County: crystals very rarely to 1 cm on calcite **32:**284
Tennessee
Elmwood mine, Smith County **27:**(171)
Wisconsin
Flambeau mine, Ladysmith, Rusk County: "blister" specimens **26:**219n; massive, microcrystals, iridescent botryoidal specimens **30:**122p
Zaire
Kipushi mine, Shaba **26:**178–179g,q

CHALCOSTIBITE
France
Serre farm area, Saint Pons, Haute Province: 1-cm crystals with zinkenite **26:**494n; huge prismatic crystals in siderite vugs **27:**138p, 141n; **27:**450p
Hungary
Rudabánya: grains, blocky crystals to 2 mm **32:**111
Morocco
Gar el Anz, Casablanca region: metallic black blades to 12 cm **27:**63n
Rar el Ans, Cherrat: bladed crystals tarnished deep blue **33:**221p

CHAMOSITE
United States
New York
Long Lake, Hamilton County: acicular microcrystals **26:**483n; 3 generations in vein cavities **31:**418–419p,q
Wyoming
Atlantic City mine, South Pass, Fremont County: sharp black books and rosettes to 1.5 cm on matrix **32:**248n

CHAPMANITE
Slovakia
Pezinok mine, Pezinok: crystal aggregates to 4 μm **31:**160p

CHARMARITE
Canada
Quebec
Mont St.-Hilaire: discovered by, named for Marcelle & Charlie Weber **35:**4,5

CHAROITE
Russia
Murun complex, Chara River Valley: cathodoluminescence study **27:**28q

CHENEVIXITE
Mexico
Durango
Ojuela mine, Mapimí: thin botryoidal crusts on mimetite **34:**OJ61
Spain
Mazarrón-Águilas district, Murcia: crusts, masses, microcrystals **34:**322–323p

CHERNOVITE-(Y)
Italy
Liguria
Molinello mine, Val Graveglia: pink prismatic crystals to 2 mm **32:**364
Switzerland
Mt. Cherbadung **30:**(221)

CHEVKINITE-Ce
Pakistan
Arondu, Haramosh Range, Baltistan: lustrous black crystals to 3.5 cm **32:**253n; black tabular crystals to 4 cm in groups **32:**487n, 489p
Chipral: sharp, lustrous crystals to 7.5 cm **32:**493n
Locality not specified **34:**(87)
Nanga Parbat area: bladed crystals to 6 cm in groups **33:**97n
Russia
Veshnovogorsk, Middle Urals: subhedral 2-cm cubes **28:**212n

CHIAVENNITE
Sweden
Utö Island, Stockholm: boron-bearing, sprays to 1 cm **27:**208

CHILDRENITE
Afghanistan
Nuristan: orange 4.7-cm twinned crystals **31:**70p

Bolivia
Cerro Rico de Potosi, Potosi **30:**(21)
Brazil
Minas Gerais
Sapucaia pegmatite, Galiléia: honey-colored crystals with other phosphates **30:**353
Canada
Yukon Territory
Rapid Creek: with wardite crystals, eosphorite **28:**65n

CHILE
The Szenics Collection of Chilean Minerals (abstract) **34:**115–116
Chañarcilllo **29:**133s, **30:**383–385, 392h; **33:**220s
Chapacase mine, Antofagasta region **35:**153s
Chuquicamata **28:**392s, **33:**22h
Copiapo **26:**141s, **34:**116
Dolores mine, Chañarcillo **28:**454s
El Indio, Coquimbo Department **26:**492s
Farola mine, Copiapo **32:**334h,g
Freirina area near Vallenar **34:**118s
Guanaco district near Taltal **33:**99s, **34:**118s
Inca de Oro **26:**492s, **34:**86s, **34:**116s
Jardinera #1 mine, Inca de Oro **28:**205h; **28:**387–394g,h,m; **34:**116s
Manto Cuba mine, Inca del Oro **26:**492s, **34:**116s
Margarita mine, Sierra Gorda **34:**118s
Mina Flores, La Farola **34:**116s
Ponderosa mine, Sierra Gorda **34:**118s
Rosalia mine **34:**118s
San Francisco (formerly Beatrix) mine, Sierra Gorda, Antofagasta **26:**492s, **28:**205s, **34:**118s
San Samuel mine near Carrera Pinto **34:**118s
Santa Catalina mine, Sierra Gorda, Antofagasta **26:**492s, **34:**118s
Sierra Gorda **33:**99s, **33:**259s
Szenicsite locality [Tierra Amarillo] **26:**143s
Tierra Amarilla **26:**492s, **28:**387s, **34:**OJ84s
Veta Negra mine, Pampa Larga district, Tierra Amarilla **28:**205h, **29:**213s, **34:**116s, **34:**118s
Wendy pit, El Indio mine, Coquimbo **26:**222s
Wendy pit, Tambo, Coquimbo district **26:**492s

CHINA
Altai region **32:**497s
Amo mine, Ximeng, Yunnan **35:**256s
Anhui, Hebei **28:**413s
Baotou **35:**212s
Bapu, Guangdong *(early locality attribution for mimetite from Pingtouling mine, Guangdong)* **34:**No. 3 (cover)
Bayan Obo deposit, Inner Mongolia **29:**101s
Chengzhou, Hunan **29:**137s
Chenzou (Chenzhou), Hunan **26:**142, **27:**449s, **28:**212s, **29:**133s, **30:**53s
Da Chang mine, Guangxi **31:**511s
Daoping mine, Guilin, Guangxi **32:**62h, **32:**493s, 497s; **34:**86s
Early variants on name of the Daoping mine pyromorphite locality **32:**56
Daye mine, Hubei **33:**98s, **33:**465ff., **35:**256s
De An mine, Jian Jiang, Jiangxi **35:**256s
Dongsang, Hunan **31:**509s
Feng Jiashan mine, Daye **35:**156s
Gimkohe **34:**186s
Guangdong, Sichuan **32:**490s
Guilin, Guangxi (*see also Daoping mine*) **31:**509s, **31:**512s
Hebei **30:**41s
Hengyang, Hunan **29:**133s
Hsiangua Ridge, Hunan **28:**201s
Hua Zhou mine, Guangxi **32:**256s
Huangshi, Hubei **30:**54s
Hunan (unspecified localities) **26:**492s, **31:**28s, **31:**42s
Huya mine, Ping-wu County, Sichuan **31:**36s, **31:**79s
Jiangshan, Guangdong **30:**45s
Jiao Kan Tchièn, Hunan **26:**142s
Jinkouhe, Sichuan **33:**99s
Kunming, Yunnan **34:**88s, **35:**256s
Lan Tan (Lantian), Guangxi **31:**281, 283s
Lei Peing mine (?), Chenzhou, Hunan **28:**212s
Leng Bao Dings Hill, Sichuan (or Hunan?) **26:**142s
Leyang, Hunan **26:**142s
Lian Xian, Guangdong **35:**256s
Linshu mine **28:**410s
Luayang, Leiyang Province **26:**583s
Lushi mine Lushi Village, Hunan **27:**66s, **27:**222s, **30:**53s, **31:**283s, **32:**335h
Mengna, Hunan **30:**151s
Mengyin, Shandong **26:**228s, **26:**492s
Nan Jing, Hunan **31:**512s
Nanchan, Jansee **28:**137s
Nanning Shan, Guangdong **31:**98s
Nantan County **31:**283s
Ping Wu mine **26:**228s, **26:**579s
Ping Wu Town, Miang Yang City, Sichuan (or Hunan?) **26:**142s
Pingtouling mine, Liannan, Guangdong **35:**155h, **35:**256–257h
Qiang Gi Dong **31:**26s
Qing Long, Guizhou **34:**85s
Shan Hua Pu (Shanhauo Pu) mine, Hunan **28:**61s, **29:**217s
Shangbao mine, Leiyang County, Hunan **32:**61s, **32:**No. 2 (cover), **32:**256s, **32:**497s
Shangping Zhen, Longchuan County, Guangdong **34:**283s
Shauguang, Guangdong **30:**41s
Shimen mine, Hunan **26:**98s, **26:**228s, **26:**No. 5 (cover photo)
Shizhuyan (Shizhuyuan) mine, Changning, Hunan **28:**201s, **32:**61s
Shuikoushan, Hunan **28:**133s, **28:**413s, **35:**259s
Sichuan (unspecified locality) **31:**509s
Tao Ling mine, Yue Yang City, Hunan **26:**142
Ti mine, Shan Hua Ling, Hunan **33:**275s
Tinding **35:**147s
Ton Glo Shan quarry, Hubei **32:**256s
Tongbei, Yunxiao County, Fujian **33:**275s
Wah Tu Wah mine, Yunnan **31:**195s
Wu Chuan mine near Huo Zuo City, Guangxi *(false locality given at first for mimetite from Pingtouling mine, Guangdong)* **34:**283s
Wuling mine, Qingjiang, Jiangxi **33:**98s, **33:**139–147g,h,m,p
Xianghuapu, Hunan **27:**452s, **28:**413s
Xiangxi, Hunan **31:**98s
Xikuangshan mine, Hunan **26:**583s, **31:**31s
Ximen, Hunan **32:**487s
Ximong (Ximeng), Yunnan **30:**54s, **31:**283s
Xinjiang Uygur Province **34:**283s
Xuanghualin (Xianghualin, Hsianghualin, Ziang Hua Lin) mine, Chenzou, Hunan **28:**133s, **28:**410s, **28:**412s, **29:**133s
Xue Bao Diang Mountain, Sichuan **26:**228g,h, **27:**389s, **28:**413s
Yan Gou Shi, Hunan **33:**182s
Yang Guang Shi (?) mine, Hunan **30:**472s
Yaogangxian mine, Hunan **28:**61s, **32:**61s
Yiou Guam Xiang **26:**142s
Yizhang, Hunan **26:**142s
Yunnan **28:**61s, 65s, **28:**201s, **31:**51s

CHIOLITE
United States
Virginia
Morefield pegmatite near Amelia **26:**(486); twinned crystals to 3 mm **26:**552–553c,g,h; **30:**(288)

CHKALOVITE
Greenland
Illimaussaq: pods to 7 cm **27:**209

CHLORARGYRITE
Austria
Lower Austria
Annaberg district: old massive specimen **29:**186p
Bolivia
Cerro Rico de Potosí, Potosí: important ore, specimens rare **30:**21
Hungary
Rudabánya: lustrous yellow-green octahedrons to 1 mm **32:**111p
Mexico
Durango
Ojuela mine, Mapimí: massive, bromine-rich **34:**OJ61
Spain
Mazarrón-Águilas district, Murcia: cuboctahedral crystals under 2 mm **34:**323p
United States
Arizona
Purple Passion mine, Yavapai County: crusts, pocket fillings **31:**326
Montana
Butte, Silver Bow County: in oxidized zones **33:**48

CHLORITE GROUP
See also names of individual species
Canada
Quebec
Lac Nicolet mine, South Ham: microscopic green-brown spheres **27:**126q
Saint-Amable sill: tiny micaceous plates **29:**96
France
Trimouns quarry, Luzenac, Ariège: tabular microcrystals, spherules to 2 cm **35:**236
Italy
Piemonte
Traversella: crystals to 9 cm **31:**510n
Russia
Dodo deposit, Subpolar Urals: chlorite "sand" in clefts, inclusions in quartz **30:**436
Spain
Nueva Vizcaya mine, Burguillos del Cerro, Badajoz: crystals to 3 mm **33:**494
United States
Alaska
Green Monster Mountain, Prince of Wales Island: pocket fillings, inclusions in quartz crystals **35:**394
North Carolina
McKinney mine, Spruce Pine district: vug filling, druses on albite **27:**289–290

CHLORITOID
Locality not specified: sharp blackish-green single 3-cm crystal **31:**257–258

CHLOROXIPHITE
England
Somerset
Higher Pitts mine, near Priddy: bladed crystals with mendipite **27:**252–253q, 256h

CHOLOALITE
United States
California
McAlpine mine, Tuolumne County **26:**(478)

CHONDRODITE
As indicator of spinel in white marbles **31:**213
Afghanistan
Badakhshan: red-brown crystals to 1.5 cm in marble **33:**274n
Italy
Campania
Mte. Somma/Vesuvius: complex microcrystals **27:**460

Myanmar (Burma)
Pain Pyit, East Mogok: crude gray-green crystals to 2 cm **30:**238n
United States
New York
Tilly Foster mine, Brewster: crystals to 2.5 cm on old-time specimens **32:**54n

CHRISTELITE
Chile
San Francisco mine, Antofagasta: robin's-egg blue microcrystals **28:**205n

CHROMITE
Cuba
Moa mine, Oriente Province: crystals to 7 mm in ore **27:**216n
United States
Maryland
Bare Hills (?): old specimen pictured in Sowerby's *Exotic Mineralogy* **26:**MB102h

CHRYSOBERYL
Brazil
Bahia
Carnaiba: charcoal-gray cyclic twins to 3 cm **26:**489n
Espirito Santo
Fazenda Santa Isabel, Pancas: twins in miniature & thumbnail sizes **27:**147n
Itaguaçu: classic sixling twins **27:**62; 4-cm sixling twin **31:**38p
Santa Tereza (perhaps = Pancas or Fazenda Santa Isabel): gemmy brownish or grayish green cyclic twins and groups **27:**62n
Madagascar
Ambatondrazaka: loose, part-gemmy, yellow-green V-twins **33:**273n
Anzakobe: yellow-green fishtail twins **31:**280n
West Ambtomdrasata: twinned crystals to 8 cm **31:**193n, 194p
Russia
Takovaya district, Urals: alexandrite in schist with emerald, phenakite **31:**183
Takovaya mine near Ekaterinburg: 23-cm alexandrite specimen **26:**MB110p
Spain
A Franqueira, Pontevedra: cyclic twins of non-gemmy alexandrite to 1 cm **28:**499p, 500
Sri Lanka
Rakwana: brownish yellow 6.5-cm twin **31:**279p
Zimbabwe
Misvingo (Fort Victoria): cyclic-twinned alexandrite thumbnails **33:**273n

CHRYSOCOLLA
Chemistry of secondary copper phosphates and silicates **28:**52
Australia
Victoria
Benambra: blue-green veins to several cm thick **26:**108–111n,p
Chile
Inca de Oro: vug linings coated with drusy quartz **26:**492n; 20-cm specimen **34:**86n; replacing malachite, coated by quartz **34:**116
India
Pashan Hills, Poona, Maharashtra: bluish green aggregates **34:**43, 44p
Italy
Liguria
Val Graveglia: widespread alteration product **32:**364
Mexico
Baja California
Boleo deposit: in oxidized copper ore, clay gangue **29:**39
Durango
Mapimí district: in prospect pits, large blue masses (?) **34:**OJ61–62
Namibia
Onganja mine, Seeis: masses, coatings **27:**92
Peru
Acari mine near Nazca, Arequipa Dept.: lapidary-grade **34:**254
Russia
Dal'negorsk, Primorskiy Kraj: with secondary Pb/Zn/Cu suite **32:**15
Dodo deposit, Subpolar Urals: spherules of radiating rough crystals **30:**436
South Africa
Cape Province
Okiep district **35:**(309)
Spain
Mazarrón-Águilas district, Murcia: pseudomorphs after tyrolite, lavendulan **34:**323
United States
Alaska
Green Monster Mountain, Prince of Wales Island: coating epidote, quartz **35:**394
Arizona
Eagle Eye mine, La Paz County: 4-mm pseudomorphs **26:**476n
Kullman-McCool claims: powdery to gemmy **26:**444
Colorado
Sweet Home mine, Park County: pale greenish veinlets **29:**SH116
Montana
Butte, Silver Bow County: mammillary, with other Cu minerals **33:**48
Nevada
Gold Quarry mine, Eureka County: porcelaneous coatings **26:**454
New Mexico
Mex-Tex mine, Bingham: friable sky-blue coatings **30:**338
Utah
Bingham **26:**(486)
Wisconsin
Flambeau mine, Ladysmith, Rusk County: varicolored crusts, films **30:**122
Zaire
Kipushi mine, Shaba: mammillary crusts **26:**179
Star of the Congo mine, Lubumbashi, Shaba: with heterogenite **26:**498–499n; seam linings, with heterogenite and malachite **30:**53n

CHURCHITE-(Y)
Mozambique
Muiane pegmatite, Alto Ligonha area **31:**(472)

CINNABAR
China
Hunan: brilliant twinned crystals on dolomite **31:**28p
Hungary
Rudabánya: masses, rare prismatic crystals to 1 mm **32:**111
Russia
Tschauvaj: crystals to 1 cm **31:**394p
Spain
Almaden mine, Ciudad Real: 1-cm crystals **26:**98
Picos de Europa, Santander: earthy, veins, microcrystals **27:**184
Ukraine
#2 Bis mine, Nikitova district, Donetsk Oblast: brilliant penetration twins to 7 mm **27:**218p, 221n
Nikitovka mine: 7-cm crystal group **26:**532p
United States
Nevada
Gold Quarry mine, Eureka County: 1-mm patches on gypsum **26:**454

CLARAITE
Hungary
Rudabánya: very small pale green to greenish blue, lath-shaped crystals **32:**111p

CLAUSTHALITE
Bolivia
Pacajake mine, Potosí: rare cuboctahedral crystals to 1 mm **34:**349p, 350
Mexico
Durango
Ojuela mine, Mapimí: grains with sulfides **34:**OJ62
Russia
Bor pit, Dal'negorsk, Primorskiy Kraj **32:**(15)

CLINOBISVANITE
Mozambique
Mutala pegmatite, Alto Ligonha area: sharp orange 2-mm crystals **31:**472p

CLINOCHLORE
Australia
Tasmania
Lord Brassey mine: common gangue mineral **33:**326
France
La Combe de la Selle, Isère: vein fillings, encrustations, inclusions **32:**227
Trimouns quarry, Luzenac, Ariège: vermicular clusters to 2 cm **35:**236p
Hungary
Rudabánya: microscopic flakes with hematite **32:**111
Italy
Liguria
Val Graveglia: common in fractures in chert **32:**364
Kazakhstan
Karzemkkul deposit, Kustany Oblast: sharp 1.5-cm books with magnetite **33:**97n
Mozambique
Alto Ligonha area: infusing and partially replacing tourmaline **31:**472
Russia
Saranovskii mine, Saranui, Urals: pleochroic red-green, crystals to 1 cm **26:**493n
Sarany, Urals: sharp dark green crystals to cm, alexandrite effect **27:**221n
Sweden
Bastnäs mines, Västmanland: colorless crystals in skarn **35:**195
United States
California
Georgetown, El Dorado County: stacks of platy crystals to 1 cm **31:**347p
Maine
Goodall quarry, Sanford: vug linings with vesuvianite **26:**578n
New Jersey
Millington quarry, Somerset County: velvety rosettes to 2 mm **31:**405

CLINOCHRYSOTILE
Italy
Liguria
Val Graveglia: rock-forming mineral in serpentine **32:**364

CLINOCLASE
England
Cornwall
Carharrack near Gwennap **26:**MB79p
Wheal Gorland **26:**MB80h
Italy
Liguria
Val Graveglia: blue crystals to 3 mm in chert, fossil wood **32:**364

CLINOENSTATITE
Pakistan
Astore, Nanga Parbat Area, Chilas: sharp, lustrous bladed crystals to 3 cm in clusters **31:**281p, 282n
CLINOHUMITE
Afghanistan
Nuristan: 1.25-cm gemmy crystal **31:**64p
Italy
Campania
Mte. Somma/Vesuvius: gemmy orange microcrystals **27:**459p, 460
Tajikistan
Kukh-i-Lal, Pamir Mountains: gemmy 1.9-cm crystal **26:**529p
CLINOPTILOLITE
India
Deccan Plateau: doubtful occurrence **34:**43–44
CLINOSAFFLORITE
Scotland
Alva mine, Silver Glen, Alva: metallic gray masses with silver **27:**413
CLINOZOISITE
Peru
Huaytara, Huancavelica: yellowish brown crystal sprays to 2.5 cm **35:**149n, **35:**252n
Russia
Bor pit, Dal'negorsk, Primorskiy Kraj **32:**(15)
Dodo deposit, Subpolar Urals: transparent prisms to 1.5 cm in quartz **30:**436
Spain
La Cabrera near Madrid: tiny acicular colorless crystals on prehnite **31:**277n; tufts with calcite crystals **31:**286n
United States
Arizona
Brick 3 (Finch) mine, Gila County: pink short-prismatic crystals **26:**444
North Carolina
McKinney mine, Spruce Pine district: crystals to 2 cm with pumpellyite, albite **27:**289–290p
Vermont
Eden Mills quarry: subhedral prismatic crystals **27:**216n; single terminated crystals **27:**449n
Rubberoid Asbestos mine, Eden Mills: terminated crystals to 5 cm **26:**486n
CLINTONITE
Russia
Shishimskie Gory, Urals **26:**(493)
United States
Alaska
Green Monster Mountain, Prince of Wales Island: sharp, lustrous rosettes to 1.5 cm **35:**394–395p
California
Crestmore quarry, Riverside: sharp dark green crystals to 4.2 cm **35:**328–330h,p
COBALTARTHURITE
Spain
Mazarrón-Águilas district, Murcia: veins, globules, crystal tufts **34:**323–324p
COBALTITE
Canada
British Columbia
Merry Widow mine, near Port McNeil, Vancouver Island: 1-cm crystals **26:**491n
Ontario
Elizabeth Lake, Espanola: crystals to 1 cm in calcite **27:**61–62n
Russia
Dodo deposit, Subpolar Urals: crystals to 0.5 mm in cleft fillings **30:**436
South Africa
Transvaal
Kruisrivier mine: grains, crystals less than 1 mm **27:**424d
Sweden
Tunaberg (poss. Joachimstal, Bohemia) **26:**MB72p
Tunaberg: sharp loose crystals, thumbnail-sized groups **29:**216n; 2-cm pyritohedrons **33:**97n
Zaire
Kipushi mine, Shaba: massive **26:**179, **30:**261
COBALTOMENITE
Bolivia
Pacajake mine, Potosí: with ahlfeldite, penroseite **34:**350
United States
Utah
Parco mine group, Thompson District, Grand County: purple crusts **26:**486n
Zaire
Musonoi Extension mine, Katanga: tiny purplish crystals **30:**261, 263p
COERULEOLACTITE
United States
Pennsylvania
General Timble's mine, East Whiteland, Chester County **28:**(53)
COINS AND MEDALS
Corrosion of antique bronze coins in Vienna Natural History Museum **32:**170
Kaminsky collection of ancient Greek and Roman coins **33:**175–176
Stock market fluctuations affecting collector coin market **32:**170, 257
COLEMANITE
United States
California
Billie mine, Death Valley: large crystals **27:**35ff,c,g,p
Boraxo pit mine, Death Valley: crystals with amber zones **27:**39
Boron: chocolate-brown crystal groups **26:**435
COLLECTING NARRATIVES
See also Departments and Columns—Mineral Stories; Collectors and Collecting
Adamite first found at Ojuela mine, Mexico in 1946 "grotto" **34:**OJ43
Adamite (purple) collected at Ojuela mine, Mexico in 1981 **34:**OJ44–53
"Alma Queen" rhodochrosite collected by Warren Good, 1965 **29:**SH17
Amethyst, Amatitlan, Guerrero, Mexico, collected by Manuel Ontiveros **35:**GU31–37
Amethyst, Las Vigas, Veracruz, Mexico, collected by Manuel Ontiveros **34:**LL55–58
Amethyst, Las Vigas, Veracruz, Mexico, collected by Steve Green **34:**LL59–62
Attempting to sneak into Himalaya mine, California to collect tourmaline **31:**517–518
Butte, Montana: anecdotes by Duane Johnson, company specimen collector **33:**65–66
Buying Chanarcillo proustite specimens in Chile, 1970's **30:**383–385, 392
Cocaine smuggled inside quartz crystals **30:**383
Collecting at Jeffrey mine, Asbestos, Quebec from 1996 to 2003 **35:**124–134
Collecting at Purple Passion mine, Arizona in 1995 **31:**323–326
Collecting chalcocite crystal pockets at Flambeau mine, Wisconsin **30:**127–129, **31:**213–214
Collecting emeralds at Foote mine, North Carolina **31:**518
Collecting in huge barite pocket systems at Meikle mine, Nevada **30:**196
Collecting in orpiment pockets at Twin Creeks mine, Nevada **31:**313–315
Collecting in salt flats at El Desierto sulfur mine, Bolivia **34:**297–300
Collecting on Green Monster Mountain, Prince of Wales Island, Alaska **35:**383ff.
Collecting opportunities (1999) at Cerro Rico de Potosi, Bolivia **30:**34
Discovering cavern at PCA mine, New Mexico with giant halite crystals **30:**372
Discovering sincosite-rich zone in Ross Hannibal mine, South Dakota **30:**201–202
Ed Swoboda at Boleo, Mexico, 1959, 1969, 1973 **29:**51–62
Ed Swoboda's career of worldwide field collecting **28:**449–456
Encounter with beginning field collectors **26:**505–506
Finding Utah topaz crystals from sunlight reflections **26:**507
Fluorapophyllite/mesolite pocket in Quarry #2, Pashan Hills, India **34:**149–150
Fluorite/quartz specimen found in prehistoric mine dump in France **33:**350
Gypsum crystals in Roman pipes **26:**506
Hiker finds hundreds of cumengite sixlings in dump at Boleo, Mexico **29:**62
"Hiker" (above) was really serious collector, find was not accidental **29:**493
Into the heart of darkness: searching for minerals in the Democratic Republic of the Congo **33:**473–487
Italian mineral specimens from all over Italy left at Apennine Alps site **30:**381
Javelinas in Arizona mine tunnels **27:**227
"Jewel Tunnel" railroad cuts in India explored on foot in 1956 **34:**140–141
Legrandite pocket of November 1977, Ojuela mine, Mexico **34:**OJ23
Lepidolite boulder almost destroys car **27:**227
Los Lamentos, Chihuahua, Mexico wulfenite-collecting trip in 1940's **34:**LL9–14
"Magic beans" at Rush Creek, Arkansas **30:**382–383
Mesolite pocket found by rolling boulder downhill **30:**474–475
Micturation reveals "Herkimer diamond" quartz crystal in New York **30:**383
Milarite from Val Giuv, Switzerland: collecting fine specimen in 2000 **35:**415–417
Mimetite (botryoidal) collected by Benny Fenn at San Pedro Corralitos **35:**GU11–13
New operations at the Sweet Home mine, 1990–1997 **29:**SH21–100
Overuse of dynamite by collectors at Mack mine, Rincon, California **30:**381–382
Peter Bancroft in phosphophyllite zone at Potosí, Bolivia **30:**23
Phosphophyllite stope yielding the "Wilber Phosphophyllite" in 1962 **30:**28–29
Pyromorphite zone collected at San Andres mine, Spain in 1997 **30:**153
Recollections of mineral collecting and dealing in India, R.Z. Kothavala **34:**135–154
Rediscovery of Pacajake selenium deposit, Bolivia **34:**343–345
Rock-rolling as diversion **30:**473–474
Silver specimen from Creede, Colorado not taken **26:**567–568
Sulfide vug at Mogul mine, Ireland: specimens acquired by Richard Barstow **30:**102
Sweet Home mine collecting in 1970's **29:**SH20

Teenaged collectors finding beryl crystals in stone wall **26:**566–567
Tourmaline Queen mine, San Diego County, California: operations by Pala Properties leading to pocket of "blue-cap" elbaites, 1972, and later operations **33:**409–425
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Wulfenite mining at San Francisco mine by Ed Swoboda **35:**GU48–53
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COLLECTORS AND COLLECTING

Ahlfeld, Friedrich collection of Bolivian minerals **30:**35
Airport inspections pose threat to mineral specimens **35:**282
"Alma Queen" rhodochrosite changes hands, 1965–1984 **29:**SH17–20
Bandy, Mark Chance collection **30:**34, **34:**117
Book collecting specialties **26:**MB12–16; magazine for book collectors **27:**322
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Bruce, Archibald collection **28:**459–460
Bunk, Dave collection exhibited at Springfield **32:**53
Coin collecting market affected by stock market fluctuations **32:**170, 257
Collecting activities in north Pennines, England, in 19th century **31:**238
Collection disposal (Guest Editorials, John White) **33:**458–460, **34:**130–131
Collector Profiles: Edward R. Swoboda **28:**449–456; Martin Zinn III **30:**311–316; Vladimir Andreevich Pelepenko **31:**389–396; Ralph Clark **33:**181–186; John Jago Trelawney **33:**217–224
Currier, Rock collection exhibited at Springfield **35:**148–149
Diamond collector (anonymous) donates collection to *Mineralogical Record* **35:**9–11
Earthquake damage to mineral collections **32:**325, 327
"Elite" collecting and perfectionism, attitudes towards damage **31:**378–379
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Ferguson, James collection **30:**41
Ferguson, Robert collection and journals **31:**425–442
Freilich, Joseph A. collection **31:**No. 1 (Freilich Collection Special Issue); Freilich collection displayed at Tucson in 2000 **31:**285–286; comments on Freilich issue **31:**447–449
Giving specimens as gifts to children **27:**2
Glossary of book terms **26:**MB20–22
Gumicio, Julio collection of Bolivian minerals **30:**34–35
Herzenberg, Roberto collection of Bolivian minerals **30:**34
Hosack, David collection **28:**459
Jaime Ribiero collects Indian zeolites in early 20th century **34:**14
"Jewel Tunnel" railroad cuts in India yield specimens in 19th century **34:**10–11
Kingsbury, Arthur collection **27:**257
Kongsberg, Norway: post-mining collecting efforts in old workings **32:**192–195
Kothavala, R.Z.: recollections of collecting and dealing in India **34:**135–154
Mineral cabinets and cases **27:**162, **27:**242, **27:**322, **27:**402, **28:**85, **28:**162, **28:**362, **31:**285, **33:**122
Mineral specimen mortality **32:**329–340
Minette, Jim and Dawn collection exhibited at Springfield **33:**523
Mining stock certificate collections **32:**82
Mitchill, Samuel L. collection **28:**459
Motives for book collecting **26:**MB7–8
Objections to informally naming specimens after owners **30:**395–396
Pagano, Renato and Adriana collection of minerals, antiquarian books, etc. **32:**82
Pelepenko, Vladimir collection **26:**98, **31:**389–396
Perceval, Spencer collection **27:**257
Pricing of specimens, coping with "inflation" **30:**37; advantages of inflation **31:**14
Rashleigh, Philip collection **35:**261
Record-keeping for mineral collectors (editorial) **34:**210–211
Repair and restoration of specimens: **28:**82–84, **28:**87–94
Romero, Miguel collection **28:**163, **28:**213–214p, **34:**OJ72, 79, 84
Sams, Perkins collection **31:**8, **33:**422
Szenics, Terry collection of Chilean minerals acquired by Harvard **34:**115–116
"Tack" confused with topaz by well-meaning mother **30:**475
Thumbnail collecting **28:**162, **28:**421, **33:**181–186
Trading specimens by mail **27:**152
Tredwell, Chris builds collection of Guanajuato, Mexico specimens **30:**84
"Value" of micromounts **33:**251
Wilber, David P. collecting history **31:**11–16p; with Freilich collection at Tucson 2000 **31:**285–286; and suite of Tourmaline Queen mine elbaites **33:**422; as guru of mineral collecting **34:**148
Willcox, Thomas collection **27:**256–257
Wulfenite recently collected on dumps of old Nepomuceni mine, Annaberg, Austria **29:**188
Zinn, Marty collection exhibited at Springfield **30:**470

COLLINSITE

Canada
Yukon Territory
Big Fish/Rapid Creek: sprays of 1-cm crystals **26:**147n, **26:**(491)
Russia
Kovdor, Murmansk Oblast, Kola Peninsula: with bobierrite **26:**493

COLOMBIA

Boyaca **35:**251s
Choco gold field **26:**222s
Cosquez-Los Gavilanes mine, Boyacá **26:**149g,h, **31:**47s
La Pita mine, Borbur, Boyacá **31:**194s, **35:**251h
Locality not specified (emerald) **26:**575s, **27:**147s
Locality not specified (euclase) **34:**90n
Muzo **33:**260s
Peña Blanca mine near Muzo **26:**201s

COLOR IN MINERALS

Adamite from Ojuela mine, Mexico: chromophores **34:**OJ35
Apatite from Kazakhstan, pink color fades in sunlight **33:**274
Benitoite, salmon color obtained by heat treatment **26:**TZ71
Beryl, heliodor changed to blue by heat treatment **26:**152
Beryl, morganite from Barra de Salinas turns deep blue when heat-treated **33:**212
Beryl, morganite from White Queen mine, California changes shade of pink **33:**384
Blue coloration of calcite pseudomorphs (Camp Verde, AZ) questioned **26:**576
Cavansite, bright blue color caused by vanadium **34:**77
Chalcocite from Wisconsin made iridescent by bornite patina **30:**115
Cobalt as coloring agent in cobaltoan calcite, dolomite **30:**261, 269–273q
"Color in Beryl" display case by Gene Meieran, Tucson 1997 **28:**213
Copper as coloring agent in blue "Paraíba tourmaline" **33:**127
Elpasolite colored purple by lattice vacancies trapping electrons **26:**553–554
Fluorapophyllite from India colored green by vanadium **34:**32–35d,p
Fluorite, colors generally attributable to physical properties rather than trace elements, with some exceptions **29:**SH141
Fluorite from England, colors attributed to trace elements **31:**103
Fluorite from Long Lake, New York, colors vary with illumination **31:**418
Fluorite, unstable color in Chinese specimens **28:**133
Grossular from Mexico: crystal chemistry of color-zoned crystals **34:**LL76–79
Heulandite colored green by microscopic inclusions **26:**576, **33:**274
"Hiddenite" by definition must draw some of its green color from chromium **33:**86
Irradiation in the post can change colors of minerals **33:**122
Microcline ("amazonite") from Colorado possibly colored by trace lead **29:**125
Microcline ("amazonite") from Zapot pegmatite, Nevada colored by trace lead **30:**291
Pectolite from Millington quarry, New Jersey colored pink by hematite **31:**409–410
Quartz from Las Vigas, Veracruz, Mexico: cause of amethyst color **34:**LL67
Rose quartz crystals from Brazil colored by trace phosphorous **32:**42
Sodalite ("hackmanite") from Afghanistan, photosensitive color change **33:**97–98
Spodumene var. kunzite showing blue color when freshly collected **31:**282
Sweet Home rhodochrosite—what makes it so cherry-red? **29:**SH123–127
Uvite-dravite from Brumado mine, Brazil color sensitive to chemistry **31:**181q
Xenotime from Zagi Mt., Pakistan changes from brown to red with lighting **35:**220

COLORADO

Dave Bunk collection of Colorado minerals exhibited at Springfield **32:**53
Gold telluride localities (abstract) **35:**62
Minerals of Colorado, Edwin B. Eckel **29:**225b
Sweet Home mine Special Issue **29:**No. 4
"That's Colorado" display case **29:**125, 133, **29:**220
Adams mine, San Juan County **33:**74s
Alma district, Park County **29:**SH11–20h,m,p
American Tunnel-Sunnyside mine, Silverton **27:**140s
Black Cloud mine, Leadville **28:**204s
Bonanza **29:**SH124s
Book Cliffs, Grand Junction, Mesa County **32:**53s, **33:**523s, **34:**90h
Boomer mine, Badger Flats, Park County **26:**TZ65, **26:**478s
Brass Balls claim, Eagle County **28:**417s

Brown Derby No. 1 pegmatite, Gunnison County **26:**TZ12g, **26:**TZ44g, **26:**TZ65s
Bulldog mine, Creede **32:**53s
California mine, Mount Antero **26:**TZ65s
Calumet mine, Salida, Chaffee County **26:**147s, **26:**218s, **26:**478s, **27:**59–60h, **35:**393s
Central City **29:**SH124s
Chief pegmatite near Devils Hole, Fremont County **26:**TZ65
Climax and Henderson mines, Lake County **26:**TZ32s, 65g, **29:**SH124s
Commodore mine, Creede, Mineral County **28:**204h, **32:**53s, **33:**262–263h
Commodore Number Five mine, West Willow Creek, Creede **26:**506, **26:**567h
Cresson mine, Cripple Creek, Teller County **26:**478s, **35:**151h
Cripple Creek mines, Teller County **30:**49s, **32:**53s
Crystal Peak **34:**126
Devil's Head **31:**298h
Eagle mine, Gilman, Eagle County **30:**49s, **32:**53s, **35:**155s
Farncomb Hill, Breckenridge **26:**582s, **33:**175s
Fulford, Eagle County **35:**144s
Garden Park near Canyon City, Fremont County **26:**578s
Gilman district, Eagle County **35:**155s
Groundhog mine, Gilman, Eagle County **33:**175s, 176s; **35:**155s
Idarado mine, Telluride **32:**53s
Lake George area **26:**478s, **30:**48s
Laramie County diatremes **35:**13s
Little Anna mine **32:**63s
London mine, Alma district, Park County **29:**SH16p, 23s
Mica Lode-Meyers Ranch pegmatite, Fremont County **29:**165–166s
Mount Antero, Chaffee County **26:**TZ46g, **26:**TZ65g, **26:**153s, **32:**53s, **34:**126
Nancy Hanks claim, Mesa County **27:**212s
Nathrop **26:**TZ6, 65
Ouray **27:**21s
Pelican mine, Clear Creek County **32:**53s
Phyllis Ann claim, Lake George **28:**417h
Pikes Peak district **26:**TZ14g, **26:**TZ18g, **26:**TZ36s, **26:**TZ46g, **26:**TZ65c,g; **32:**53s, **34:**91s
Qui-Buc claims near Florissant **26:**478s
Rex mine, Boulder County **30:**49s
Rocket claim, near Lake George **26:**478s
Ruby Mountain, Anthrop, Chaffee County **26:**TZ10s, **26:**TZ18g, **26:**TZ65g
St. Peter's Dome, El Paso County **26:**551s, 554g; **30:**288s, **32:**53s
Saw Log Hole, Qui-Buc #1 mine, Florissant, Teller County **28:**204s
Sedalia copper mine, Chaffee County **32:**245h
Silverton **29:**SH124s
Sloan 2 Diatreme, State Line district, Laramie County **28:**204h
South Platte district, Pikes Peak batholith **26:**TZ65g
Stoneham, Weld County **35:**151s
Summitville **33:**49s
Sunnyside mine **33:**64s
Sweet Home mine, Alma, Park County **26:**153h, **26:**218h, **27:**59h, **28:**57h, **28:**201h, **29:**125, 128h, **29:**SH1–153g,h,m,p (Sweet Home mine Special Issue), **31:**40s, **31:**275–276h, **31:**519h, **32:**53s, **34:**126s, **35:**151s, **35:**155s, **35:**250 (video on sale)
Tarryall Mountains **26:**TZ38, 44g
Tree Root Pocket, Two Point mine, Teller County **29:**125h, **31:**45s
Two Point claim, Teller County **28:**57h
Two Point mine, Teller County **29:**125h, **29:**220s
Wire Patch mine, Breckenridge, Summit County **28:**57s, **32:**53s

COLORADOITE
United States
Colorado
Level 2, Rex mine, Boulder County: massive, brilliant, in matrix **30:**49
Uzbekistan
Kochbulak: pure black masses to over 1 kg **26:**494n

COLUMBITE-TANTALITE SERIES
See also Tantalite; Ferro-, Mangano-, Stibiocolumbite; Ferro-, Manganotantalite
Australia
Western Australia
Spargoville: sharp black prismatic crystals to 4 cm **32:**256n
Brazil
Bahia
Vitoria da Conquista area: sharp blocky crystals 2 to 10 cm **31:**104n
Minas Gerais
Cruzeiro mine: 6-cm crystal with cassiterite **29:**125, 127p
Barra de Salinas: massive, resembling coal **33:**216
Mozambique
Naipa pegmatite, Alto Ligonha: 2 perfect 3-cm crystals **33:**260n
United States
Unspecified American locality (Connecticut or Massachusetts?): sent to Hans Sloane by John Winthrop (?) in 18th century **26:**MB102h
Colorado
Two Point mine, Teller County: 2-cm crystal with smoky quartz and microcline **29:**125

COLUSITE
Italy
Tuscany
Costa and Pitone quarries, Serravezza: bronze-yellow crystals to 4 mm **27:**52
United States
Montana
Butte, Silver Bow County: type locality, world's best crystals **33:**48–49d,p

COMBLAINITE
Zaire
Shinkolobwe, Katanga: thin turquoise-blue beds, crystals to 10 microns **30:**261

CONGO (DEMOCRATIC REPUBLIC)
See Zaire

CONGO (PEOPLE'S REPUBLIC)
'Mbumba, Pimbi Hill near Sanda, Mindouli region **33:**77h
M'Fouati mine, Mindouli district **28:**416s, **33:**77s, **34:**91–92s
Reneville **27:**144 (wrongly placed in Zaire), **33:**77s

CONICHALCITE
Hungary
Rudabánya: thin crusts, 0.5-mm spheres **32:**111
Italy
Liguria
Val Graveglia: pale green prismatic crystals to 2 mm **32:**364
Mexico
Durango
Ojuela mine, Mapimí: green crusts, crystals to 5 mm, epimorphs **34:**OJ62
Spain
Mazarrón-Águilas district, Murcia: botryoidal, with other Cu arsenates **34:**324–325p
United States
Arizona
Copper Creek, Galiuro Mountains, Pinal County: sharp 2-mm crystals **26:**476n
Nevada
Gold Quarry mine, Eureka County: druses of microcrystals **26:**454

CONNECTICUT
Branchville quarry **30:**467s
Bristol mine, Hartford County **30:**95s, **32:**54s, **32:**433–450g,h,m,p, **33:**524s
Connecticut minerals in Yale/Peabody collection **30:**95
Gillette quarry near Haddam Neck **26:**581s, **30:**44s, **30:**467s, **32:**54s, **32:**257s
Green's Farm, Roxbury **28:**412s
Long Hill mine, Trumbull **26:**TZ32g,h
Portland/Middletown pegmatite swarms **30:**95
Reynolds Bridge, Litchfield County **29:**491s
Roncari quarry, East Granby **30:**467s, **31:**276s
Somers **35:**149s
Strickland quarry, Portland **28:**505s, **30:**467s
Trumbull **26:**TZ14, 19

CONNELLITE
England
Cornwall
Wheal Gorland, Wheal Muttrell, Wheal Providence **26:**MB80h
Hungary
Rudabánya: 0.1-mm aggregates with cuprite **32:**111
Italy
Liguria
Val Graveglia: good crystals to 2 mm **32:**359p, 364

COOKEITE
Questionable identity of some Brazilian "cookeite" specimens **26:**490
Mozambique
Alto Ligonha area: coatings, rosettes of yellowish flaky crystals **31:**472
United States
Maine
Bennett quarry, Buckfield: coatings of rosettes & encasing elbaite crystals **26:**479n
Mount Marie quarry near Paris: mauve crystals to several mm **26:**479n

COOPERITE
Russia
Konder massif near Nelkan, Far East: grains, microcrystals with platinum **28:**99p,q

COPIAPITE
Bolivia
Cerro Rico de Potosi, Potosi: copiapite-group minerals on dumps **30:**21
Hungary
Rudabánya: efflorescences and crusts with other sulfates **32:**112
Mexico
Durango
Mapimí district: altering from pyrite on old dumps **34:**OJ62
Spain
Río Tinto mines, Huelva: yellow crusts **27:**283p, 284q
United States
Kentucky
Halls Gap, Lincoln County: probable decomposition product of pyrite **28:**373

COPPER
Australia
Northern Territory
Sandy Flat pipe, Redbank: arborescent in "pyrobitumen" **26:**229n
Queensland
Red Dome gold mine, Chillagoe **26:**(579)

Selwyn mine, Mt. Elliot: excellent miniatures **32:**494n; lustrous spinel twins, arborescent growths **34:**284n
Bolivia
Corocoro: pseudomorphs after hexagonal aragonite to 3 cm **28:**60n; pseudomorphs to 5 cm **28:**136n
Chile
Manto Cuba mine, Ica del Oro: fine dendritic specimens **26:**492
Hungary
Rudabánya: splendid malachite-coated dendritic specimens, spear-shaped crystals, to 15 cm **32:**112–116d,p; branching masses to 12 cm **34:**91n
Italy
Liguria
Val Graveglia: spectacular specimens to 30 cm **32:**359p, 362p, 364
Kazakhstan
Akchiyspaskiy mine, Dzhezkazgan: dendritic, crystals to 5 cm **26:**492–493n
Dzhezkazgan: 22-cm arborescent specimen **26:**98
Itauz mine near Dzhezkazgan: spinel-twinned crystals, arborescent groups **33:**97n; herringbone groups, spinel twins to 10 cm **35:**154n; 2.6-cm cluster **35:**258p
Mexico
Baja California
Boleo deposit: altered sheets to 20 cm **29:**37p, 39
Durango
Ojuela mine, Mapimí: crystals to 6 mm, small wires **34:**OJ62
Namibia
Onganja mine, Seeis: masses, wires, dendrites, crystals **27:**91p, 92c,h
Peru
Casapalca district, Lima Dept.(?): arborescent **34:**249
Russia
Brenner mine, Dal'negorsk, Primorskiy Kraj **32:**(15)
Frolowsky mine, Turinsk near Bogoslovsk, Urals: groups of spinel twins **27:**63n
Turjinschen mine, Urals **26:**MB109p
Spain
Río Tinto mines, Huelva: large dendritic masses and crystal groups **27:**281p, 284
Sweden
Bastnäs, Västmanland: small amounts in copper ore **35:**195
United States
Colorado
Sweet Home mine, Park County: microscopic wires, pore fillings **29:**SH116
Connecticut
Bristol mine, Hartford County: doubtful occurrence **32:**446–447
Illinois
Rosiclare, Hardin County: small flakes **28:**34
Michigan
Caledonia mine, Ontonagan County: in and with calcite **26:**482n, **28:**52g,h
Indiana mine, Ontonagan County: clusters of blocky crystals **34:**275n, 277p
Keweenaw Peninsula: 12-cm crystal group **31:**25p
Locality not specified: copper pseudomorphs after calcite crystals **30:**37; superb 8-cm specimen **30:**467
Montana
Butte, Silver Bow County: small amounts **33:**49
Nevada
Gold Quarry mine, Eureka County: small grains **26:**454
New Jersey
Edison mine, Edison **28:**(413)
Chimney Rock quarry near Bridgewater: arborescent specimens to 15 cm **26:**482n
New Mexico
Chino pit, Grant County: sharp crystals to 3 cm in large aggregates **33:**261p, 262n
Rose mine, Grant County: "roses" pseudomorphic after azurite **28:**54
Pennsylvania
Mount Hope, Adams County: branching masses on greenschist **31:**509n
Wisconsin
Flambeau mine, Ladysmith, Rusk County: microcrystals, large sheets **30:**122–123p
Zaire
Kipushi mine, Shaba: masses and crude wire crystals **26:**179, 180p
Mashamba West, Kolwezi, Shaba: dendrites on cobaltoan calcite **27:**139p, 144n

COQUANDITE
Italy
Tuscany
Cetine and Pereta mines **27:**(149)

COQUIMBITE
Bolivia
El Desierto mine, Potosí: pale violet crusts **34:**304
Spain
Alfred pit, Rio Tinto, Huelva **30:**(153), **31:**(286)
Río Tinto mines, Huelva: pink spheres **27:**283p, 284q

CORDEROITE
United States
Nevada
Gold Quarry mine, Eureka County: black spongy masses to 2 mm **26:**454

CORDIERITE
Japan
Kameoka, Kyoto Prefecture: trapiche-like crystal **26:**201, 202p
United States
New Hampshire
Locality not specified: sharp beer can-sized crystals **26:**582

CORDYLITE-(Ce)
Canada
Quebec
Saint-Amable sill: sharp tabular crystals to 2 mm **29:**96d,q, 98p

CORKITE
Australia
New South Wales
Kintore opencut, Broken Hill **27:**(375)
United States
New Mexico
Mex-Tex mine, Bingham: yellow spheres to 2 mm, blocky green microcrystals **30:**338–340p

CORNETITE
Chemistry of secondary copper phosphates and silicates **28:**52
Australia
Queensland
Great Australia mine, Cloncurry **28:**(52)

CORNUBITE
Hungary
Rudabánya: pale green compact masses to 2 cm **32:**116
Italy
Liguria
Val Graveglia: small green spheres in fossil wood **32:**362p, 364

CORNWALLITE
Italy
Liguria
Cassagna mine, Val Graveglia: crude millimetric spheres in fossil wood **32:**364
Spain
Mazarrón-Águilas district, Murcia: transparent green spherules **34:**324–325p
United States
Montana
Butte, Silver Bow County: microbotryoidal crusts **33:**49

CORONADITE
Australia
New South Wales
Kintore opencut, Broken Hill: replacing mimetite crystals **27:**375; black laths and spikes with smithsonite "dewdrops" **35:**258n
United States
New Mexico
Mex-Tex mine, Bingham: brownish black spheres, botryoidal masses **30:**340

CORUNDUM
Historical ruby and sapphire mining in India **34:**7
Ruby & Sapphire, Richard W. Hughes (review) **30:**243
Afghanistan
Jegdalek, Kabul Province: fine ruby crystals to 2 cm in marble **27:**221–222n; sharp red 1-cm crystal in matrix **33:**182p
Locality not specified: ruby in matrix **27:**66
Locality not specified: sapphire crystals to 6 cm in mica **35:**160n
Canada
British Columbia
Blu Starr mining claims, Slocan Valley: gem-quality, bronze/blue-gray **26:**491n
Ontario
Bathurst Township: pseudomorphic after spinel crystals to 5 mm **34:**181–182p
India
Budipadaga near Mysore, Karnataka: non-gemmy ruby crystals **34:**7; first marketed in 1976 **34:**149
Kashmir
Locality not specified: fine sapphire crystals historically collected **34:**7
Madagascar
Locality not specified: ruby in matrix **27:**66
Southern Madagascar: sharp, lustrous blue/purple/red crystals to 3 cm **33:**273n
Mozambique
Niesse-Isabela mine, Alto Ligonha area **31:**(472)
Myanmar (Burma)
Mogok: doubly terminated, 5-cm ruby crystal in matrix **35:**145n
Pakistan
Hunza Valley: 2.4-cm ruby crystal in matrix **28:**198p; purplish red crystals to 3 cm on calcite **32:**493n
Russia
Ilmankie Mountains, South Urals: tabular crystals to several cm **26:**493
Ilmen Mountains: blue crystals to 2 cm in matrix **27:**389n
Khit Ostrov, Northern Karelia: ruby crystals to 2 cm in quartz **28:**132n

Sri Lanka
Badula: crystals with internal "hourglass" figures **26:**201,202p
Galbkka, near Vallivaya, Uva Province: sapphire crystals to 4 cm **26:**498n; **27:**218p
Locality not specified: greenish blue gemmy 14-cm crystal **30:**53n
Locality not specified: red/white/blue 6-cm crystal **27:**220n
Tanzania
Ketito: miniature rubies in matrix **35:**145n
United States
California
San Jacinto Mts., Riverside County: pale blue crystals to 20 cm in gneiss **31:**512n
New Jersey
Limecrest quarry, Sussex County: blue crystals in matrix **28:**411p, 413
Vietnam
Luc-Yen, Yen Bai Province: raspberry-red crystals to 5 cm in calcite **28:**413n, 414p; pink to deep red crystals to 2.7 cm **30:**238n; dark pink crystals to 5 cm **33:**275n
Zimbabwe
Locality not specified: sharp, non-gemmy ruby and sapphire crystals **34:**185–186n

COSALITE
Kazakhstan
Karaoba: black acicular crystals to 2 cm with pyrite **26:**529p
Peru
Julcani district, Huancavelica Dept.: tentative identification on one specimen **28:**P89
Russia
Dodo deposit, Subpolar Urals: lustrous steel-gray needle crystals to 7 cm in tangled bundles and included in quartz **30:**436

COSKRENITE-(Ce)
United States
Tennessee
Alum Cave Bluff, Sevier County: microcrystals (new species) **31:**169, 170p

COTUNNITE
Italy
Campania
Mte. Somma/Vesuvius: acicular or cavernous microcrystals **27:**458p, 460

COVELLITE
Australia
Tasmania
Lord Brassey mine: rare small grains **33:**326
Hungary
Rudabánya: platy iridescent crystals to 3 mm, massive veins **32:32**116–117
Italy
Liguria
Gambatesa mine, Val Graveglia: lamellae on chalcocite **32:**364
Kazakhstan
Dzhezkazgan: partially replacing betekhtinite crystals **26:**486n
Mexico
Mapimí district: replacing copper, other copper sulfides **34:**OJ62
Namibia
Onganja mine, Seeis **27:**(96)
Russia
Dal'negorsk, Primorskiy Kraj: with chalcopyrite **32:**15
Spain
Alfred pit, Rio Tinto, Huelva: microcrystals on pyrite **30:**153n
Hozarco, Picos de Europa, Santander **27:**(187)
United States
Colorado
Sweet Home mine, Park County: massive, coatings **29:**SH117
Connecticut
Bristol mine, Hartford County: in thin sections **32:**447
Montana
Butte, Silver Bow County: iridescent hexagonal plates to 7.5 cm, pseudomorphs **33:**49–52p
Nevada
Gold Quarry mine, Eureka County: trace in sandstone **26:**454

COWLESITE
Japan
Chojabaru, Iki island, Nagasaki Prefecture, Kyushu **26:**(495)
Ikezuki island, Nagasaki Prefecture, Kyushu **26:**(495)

CRANDALLITE
United States
Nevada
Gold Quarry mine, Eureka County: concentric bands to 1 cm **26:**454
Willard mine, Pershing County: druses of microcrystals on quartz **32:**300
New Mexico
Mex-Tex mine, Bingham: white botryoidal crusts and small spheres **30:**340

CRAWFORDITE
Russia
Locality not specified **26:**(494)

CREDNERITE
England
Somerset
Higher Pitts mine, near Priddy: plates, spheres, crystals to 6 cm **27:**252–253q
Italy
Liguria
Val Graveglia: lustrous black microcrystals in braunite, rhodonite **32:**364

CREEDITE
Kazakhstan
Akchatau mine: 8-cm spray of gemmy purple crystals **26:**96p, 98; **26:**521p; deep blue drusy crystals **28:**137n, 139p; 6-cm crystal cluster **31:**394p
Mine #2, Akchatau: 1-cm purple crystals in 2.5-cm group **27:**390n
Mexico
Chihuahua
El Potosi mine, Santa Eulalia: world-class miniature of purple creedite **28:**213
San Antonio el Grande mine, Santa Eulalia: pale purple crystal clusters **30:**467n, 468p; 5.5-cm pale purple specimen **31:**278p
Durango
Navidad mine: spherical clusters of orange-stained prismatic crystals **28:**505n, 506p; 2-cm crystals in clusters to 20 cm **35:**148n
Rodeo: brown/orange spherical clusters **30:**37n
United States
Colorado
Cresson mine, Cripple Creek, Teller County: pale purple crystal druses **35:**151n
New Mexico
Mex-Tex mine, Bingham: white to colorless crystals and sprays to 1 cm **30:**340p

CRISTOBALITE
India
Chinchvad near Bombay, Maharashtra: microcrystals in basalt **34:**58, 71

CROCOITE
Australia
Tasmania
Adelaide mine, Dundas: large, dull milky crystals **26:**143n; spectacular 1993 find with crystals to 8 cm **27:**67–68g,h,p; 1995 find, 4-cm hoppered prisms **27:**222n; world's best specimen, 11-cm crystals **28:**450p
Dundas deposit: crystals to 8 cm collected in 1996 **28:**64n; 1.7-cm crystal **33:**186p
Dundas Extended mine: delicate cavernous prisms **27:**142p, 145n
Russia
Berezov area, Urals (?): bright orange 5-mm crystals **26:**150p, 152n; **26:**MB94p
Berezovsk, Urals **26:**MB109d, **26:**524p; prismatic crystals with other chromates, known since 1766 **32:**45–46h
South Africa
Transvaal
Argent, Bushveld Complex: gemmy prismatic crystals to 5 mm **29:**463p, 464

CRONSTEDTITE
Bolivia
Huanuni mine, Huanuni, Oruro: branched crystals to 5 mm **26:**489n
England
Cornwall
Wheal Jane: 1.5-cm crystal cluster **33:**185p
France
Salsigne mine, Aude: brilliant crystals to 4 mm **28:**137n
Peru
Huanzala mine, Huanuco Dept.: black tapered crystals to 1.5 cm on pyrite **34:**244

CRYOLITE
Canada
Quebec
Mont St.-Hilaire: translucent yellowish crystals to 2.5 cm in clusters **30:**216n
Saint-Amable sill: corroded masses, crude crystals **29:**96
United States
Colorado
St. Peters Dome **30:**(288)
Nevada
Zapot pegmatite, Mineral County: in Al-fluoride breccia pipe **30:**288, 290
Virginia
Morefield pegmatite near Amelia **26:**(486); abundant masses **26:**553; **30:**(288)

CRYOLITHIONITE
United States
Nevada
Zapot pegmatite, Mineral County: masses in breccia pipe **30:**288, 290p,q

CRYPTOHALITE
Czech Republic
Kladno, Bohemia: colorless to pale yellow crystals to 7 mm on coal **33:**264–265n

CRYPTOMELANE
Brazil
Minas Gerais
Sapucaia pegmatite, Galiléia: dendrites, crusts, large coralloid growths **30:**353

Mexico
Baja California
Boleo deposit: massive in oxidized zone **29:**39
Durango
Ojuela mine, Mapimí: component of "manganeso" Mn oxide bodies **34:**OJ62
United States
Montana
Butte, Silver Bow County: mammillary specimens **33:**52

CRYSTAL CHEMISTRY AND STRUCTURE
Boleite group **29:**26–33d,p,q
Clathrate-type structure in melanophlogite **33:**238
Cobaltoan calcite and dolomite from Katanga **30:**269–273p,q
Early work by Steno, Erasmus Bartholinus, Huygens and others **29:**519–520p
Fluorescent zoning related to growth features **27:**7ff.
Haüy's work on crystal structure **29:**522–524p
Minerals from the Sweet Home mine, Colorado **29:**SH132–143
Sulfur isotope ratios used to distinguish natural, artificial sulfur crystals **34:**171–175

CRYSTAL DRAWING
Earliest known crystal drawings (de Boodt, 1647) **29:**518p

CRYSTAL GROWTH
Around "hourglass" inclusions **26:**201
Inhibited growth **26:**201–203
Quartz scepter crystals from Entia Valley, Australia: theories of formation **33:**515–521
Steno describes constancy of interfacial angles **29:**519
"Trapiche" crystals **26:**201
Zoning in composition and color during growth of apatite crystals from Bolivia **34:**117

CRYSTAL MODELS
Book on Groth models & computer-generated drawings **26:**TZ2
Collection of Krantz crystal models sold **34:**188
René Just Haüy's original models displayed **26:**99
René Just Haüy's wooden models **29:**522–524p
Terracotta models made in late 18th century **26:**MB67
"Two Hundred Years of Crystal Models" display at Munich Show 1995 **27:**141

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Crystal forms of gold (abstract) **35:**57
Early development by Abbé Haüy **26:**MB54ff., **29:**522–524p
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Historical roots of crystallography **29:**518–520d,p
History of the development of the crystallographic goniometer **29:**517–583d,h,p
Hyalophane crystal morphology **27:**330–340d,p
Investigation of boleite group crystallography **29:**26–33d,p
Koksharov's use of goniometric measurement **26:**MB108
Romé de l'Isle's work **29:**520–521
Topaz crystal morphology **26:**TZ36–38d
Twinning in sodalite-family and other isometric minerals **31:**141–151d,p

CUBA
Moa mine, Oriente Province **27:**216s

CUBANITE
Canada
British Columbia
Silvana mine, Sandon: lustrous needle crystals to 5 mm **27:**435p, 436
Quebec
Henderson #2 mine, Chibougamau: crystals **26:**491; lustrous 3 x 3-cm cyclic twin, large matrix specimens **27:**216n; crystals to 4 cm **28:**65n
Russia
Dal'negorsk, Primorskiy Kraj: rare, with other sulfides **32:**15
South Africa
Transvaal
Mponeng mine,Witwatersrand gold field: finest South African cubanite **35:**59
Sweden
Kalkugnstorp, west of Stockholm: prisms to 1 cm, multiple twins **27:**208c,g,h

CUMENGITE
History of study of the "Boleite group" of minerals **29:**26–33
Mexico
Baja California
Boleo deposit: overview **29:**6–7; general description **29:**39–42d,p; Ed Swoboda's collecting of specimens **29:**51–62h,p; hundreds of sixlings found in dump by hiker **29:**62; collector's letter corrects story of 1994 discovery **29:**493

CUMMINGTONITE
Russia
Dal'negorsk, Primorskiy Kraj **32:**(15)

CUPRITE
Australia
Queensland
Red Dome gold mine, Chillagoe: perfect dodecahedrons to 2 cm **26:**579h,n; **28:**(201); deep red gemmy crystals to 4 cm in clusters **31:**283n
China
Daye area, Hubei: sparse specimens of cuprite variety chalcotrichite **35:**256n
England
Cornwall
Huel Providence **26:**MB82p
Yorkshire
Boulby mine, Loftus, Cleveland: rare grains **27:**168
Hungary
Rudabánya: sharp octahedrons and dodecahedrons to 5 cm, most malachite-coated **32:**117–119d,p; **32:**(489); subhedral malachite-coated crystals to 3 cm **34:**91n
Italy
Liguria
Val Graveglia: sharp cubic and octahedral crystals to 2 mm **32:**364
Kazakhstan
Dzhezkazgan: sharp, blackish red, hoppered octahedrons to 2 cm **32:**253n; deep red octahedrons to 2 cm, groups to 3 cm **33:**97n
Itauz mine, Dzhezkazgan: distorted crystals to 5 mm on copper **33:**97n
Mexico
Baja California
Boleo deposit: cubic & hoppered octahedral crystals **29:**37p, 42
Durango
Ojuela mine, Mapimí: euhedral blood-red crystals to 4 mm **34:**OJ62
Morocco
Touissit: microcrystal coatings **31:**99n
Namibia
Onganja mine, Seeis: gemmy, malachite-coated crystals to 14 cm **27:**93c,d,h, **27:**94p; **27:**141
Russia
Brenner mine, Dal'negorsk, Primorskiy Kraj: with malachite, azurite **32:**15
South Africa
Cape Province
Okiep district **35:**(309)
Sweden
Bastnäs mines, Västmanland: masses, small crystals **35:**196
United States
Connecticut
Bristol mine, Hartford County: doubtful occurrence **32:**447
Illinois-Kentucky
Fluorite district: weathered from chalcopyrite in vein deposits **28:**34
Montana
Butte, Silver Bow County: nodules, masses with native copper **33:**52
Nevada
Gold Quarry mine, Eureka County: spongy masses to 2 mm **26:**454
New Mexico
Rose mine, Grant County: replacing azurite "roses" **28:**54
Wisconsin
Flambeau mine, Ladysmith, Rusk County: acicular microcrystals **30:**123p
Zaire
Kipushi mine, Shaba: rare acicular crystals **26:**179–180p
Mashamba-West mine, Katanga: sharp octahedral crystals on malachite **31:**36p

CUPROSKLODOWSKITE
Zaire
Musonoi mine, Katanga: crystals in large open vug **31:**65p; brilliant green needle crystals in specimens found on mine dumps **33:**258p, 260n; 4-cm vug **33:**484p
Shinkolobwe, Katanga: flat-lying yellow-green sprays **28:**209n

CUPROSTIBITE
Greenland
Illimaussaq: rich pieces **27:**209

CURITE
Zaire
Shinkolobwe, Katanga: microcrystals **28:**209

CURVED, BENT AND RING-SHAPED CRYSTALS
Boulangerite rings and cylinders, Serravezza, Tuscany, Italy **27:**50p
Millerite rings and coils, Halls Gap, Lincoln County, Kentucky **28:**375p, 376
Pyrite loops and coils, Halls Gap, Lincoln County, Kentucy **28:**380, **30:**65p

CUSPIDINE
Germany
Eifel **26:**(145)
Italy
Campania
Mte. Somma/Vesuvius: white sword-shaped microcrystals **27:**458p, 460

CYANOTRICHITE
China
Qing Long, Guizhou: blue hairlike crystals covering 12.6-cm specimen **34:**85p

France
Salsigne mine, Aude: with chalcophyllite **28:**137n
Greece
Hilarion mine, Laurium, Attika: acicular crystals to 3 mm on azurite **32:**497n
Romania
Oravicza **26:**MB95p
United States
Arizona
Grandview mine, Grand Canyon: crusts of delicate blue hairlike crystals **32:**334
Nevada
Gold Quarry mine, Eureka County: fibrous radiating sprays to 3 mm **26:**455
New Mexico
Mex-Tex mine, Bingham: sprays to 3 cm with spangolite, brochantite **30:**339p, 340

CYRILOVITE
Brazil
Minas Gerais
Sapucaia pegmatite, Galiléia: coatings, yellow microcrystals **30:**352q, 353d

CZECH REPUBLIC
Formerly Czechoslovakia
Mineralien-Fundstellen in der Tchechischen und Slowakischen Republik, Petr Pauliš and Reiner Haake. **29:**506b
Blizna graphite mine, Blizna, Bohemia **26:**494s
Chvaletice, eastern Bohemia **33:**237s
Cicov Hill, Horenec, near Bilina, Bohemia **26:**494s, **35:**137–142g,h,m,p
Elias mine, Jáchymov, Krušné Hory **29:**163s
Horni Slavkov **26:**494s
Kladno, Bohemia **33:**264s, **35:**261s
Maršikov **35:**408s
Oldrichov, near Tachov, Bohemia **26:**143s
Příbram, Bohemia **33:**524s
Radkovice **35:**408s
Schlaggenwald, Bohemia **26:**554g
Sobotína (Zöptau), Moravia **31:**280h
Spania Dolina **31:**76s
Stribrnik Hill near Merunice, Bohemia **35:**139s
Svornost mine, St. Joachimstal, Bohemia **33:**184s
Tetetice, Klatovy **26:**494s
Věnžná **35:**408s
Vsechlapy near Teplice, Bohemia **35:**139s
Zálesí **34:**331s

DACHIARDITE
Italy
Tuscany
Elba: cyclic eightling twins, world's best dachiardite **27:**152
DANA CLASSIFICATION SYSTEM
Development at Yale, mid-19th century **30:**88, 91
DANBURITE
Afghanistan
Nuristan: rich orange gemmy prisms to 5 cm **32:**61n
Bolivia
Alto Chapare, Cochabamba: doubly terminated crystals **27:**452; gray floater crystals to 4.5 cm **28:**136n; blue-gray floater crystals **30:**52n; sharp crystals **34:**117
Cristalmayu near Villa Tunari, Chapare, Cochabamba: milky gray floater crystals to 4 cm **26:**487n,g
Iran
Hormuz Island: translucent blue-white to colorless prisms to 5 cm **32:**253n
Mexico
Baja California
Mina La Verde, La Huerta: opaque white crystals with elbaite **33:**405p
San Luis Potosi
Charcas: 2.5-cm crystals in hemisphere **27:**147n; pale blue crystals coating larger prisms **27:**452n
La Aurora mine, Charcas: with citrine quartz **28:**205n; groups of transparent pink crystals to 25 x 30 cm **35:**153n
Russia
Dal'negorsk, Primorskiy Kraj: transparent brown crystals **27:**390n; transparent, colorless to brown crystals to 40 cm, pseudomorphs to 60 cm **32:**15p
Malkhanskiy district, Transbaikal: gemmy orange crystals to 5 cm **32:**44
United States
California
Little Three mine, San Diego County: 4.4-cm yellow-brown crystal **33:**399p
DANNEMORITE
Russia
Nikolaevskiy mine, Dal'negorsk, Primorskiy Kraj: rare, in skarn **32:**15
DATOLITE
China
Jiangshan, Guangdong: microcrystals on tabular apophyllite crystals **30:**45n
Italy
Liguria
Val Graveglia: doubtful occurrence **32:**364
Mexico
Nuevo Leon
La Aurora mine, Charcas: lustrous pale green crystals **27:**391n
Russia
Dal'negorsk, Primorskiy Kray: green 15.4-cm crystal group **26:**525p; massive ore, lustrous crystals of several colors to 15 cm **32:**15–17p
Puiva deposit, Subpolar Urals: rounded crystals to 5 cm with quartz **30:**457
Sovietsky mine, Dal'negorsk, Primorskiy Kray: sharp tabular crystals **26:**579n
United States
Connecticut
Roncari quarry, East Granby: very fine specimens known **31:**276
Michigan
Caledonia mine, Ontonagan County: reddish white **26:**482
Keweenaw Peninsula: engravings on cut & polished nodules **27:**144n
New Jersey
Millington quarry, Somerset County: **26:**(578); white to pale green crystals, some gemmy, to 2 cm **31:**405p
Prospect Park quarry **31:**(509)
Virginia
Virginia Crushed Stone quarry, Loudon County: lustrous crystals to 2 cm **28:**58n
Virginia traprock quarry, Leesburg: pale green crystals to 2.4 cm **27:**449n
DAVIDITE
Kazakhstan
Bek-tau Alta: black subhedral crystals to 4 cm **30:**224n
DAVYNE
Relations to other members of cancrinite group **27:**109–113c,d,h,q
Italy
Campania
Mte. Somma/Vesuvius: complex microcrystals **27:**459p, 460
DAWSONITE
Canada
Quebec
Mont St.-Hilaire: acicular and columnar microcrystals **29:**490–491p
Saint-Amable sill: prismatic crystals to 3 mm **29:**96–97d
United States
California
Orestimba Creek, Stanislaus County: chromian, spherules **31:**333–338p,q
DEALERS AND DEALING
Barstow, Richard: rescued contents of great pocket at Mogul mine, Ireland **30:**102, 106
Bustos Ortuño, Aurelio: longtime supplier of Bolivian specimens **30:**23
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Dealing in Ojuela mine, Mexico specimens at Mapimí after 1946 **34:**OJ21–23
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Fresnillo, Mexico silver minerals: modest prices in early 2000's **34:**LL51
Gebhard, Georg: marketing jeremejevite crystals from Erongo, Namibia **33:**300
Grenzig, John A.: selling personal collection in 1940's **26:**507
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Indian zeolites: gathered by American missionary couple, the Roes **34:**31, **34:**144
Indian zeolites: international dealing begun in 1960's **34:**11
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Key, Charles: marketing jeremejevite crystals from Mile 72, Namibia **33:**293–294
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Mehta, Burjor F.: founder of mineral dealing in India **34:**142, 145
"Metaphysical" or "holistic" market during 1980's **34:**LL62
Mexican dealers selling fake Taxco silvers **26:**565
Overspecialization of dealers argued **28:**416
Pennypacker, Charles: American dealer of late 19th/early 20th century **31:**239
Peter Bancroft distributes Brazilian rose quartz crystal specimens in 1960's **30:**365
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Prices rising for good specimens **30:**37
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Russian dealers with unlabeled, unpriced specimens **26:**143
Sale of "Alma King," "Rose" rhodochrosite specimens **29:**SH52–53
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Sweet Home mine rhodochrosite at Denver Show 1992 **29:**SH41–43
Sweet Home mine rhodochrosite at Tucson Show 1993 **29:**SH46–47
Website for the "virtual show" synchronous with Tucson, Denver shows **30:**48, **31:**280
Wulfenite, Los Lamentos district, Mexico: early marketing and pricing **34:**LL14–16
DEANSMITHITE
United States
California
Clear Creek claim, San Benito County **26:**(478)
DELAFOSSITE
Mexico
Durango
Mapimí district: botryoidal crusts, rosette aggregates, crystals to 4 mm **34:**OJ62
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World review of mineral discoveries **26:**475–498

DESCLOIZITE

Austria
Lower Austria
Sankt Joannis von Nepomuceni mine, Annaberg: sharp microcrystals **29:**184, 186p
Mexico
Chihuahua
Erupción/Ahumada mine, Los Lamentos district: small, lustrous crystals **34:**LL23p
Durango
Ojuela mine, Mapimí: tabular crystals to 4 mm **34:**OJ62
Namibia
Abenab mine, Otavi Mountain Land: green, brown crystals, many habits **28:**120
Abenab West mine, Otavi Mountain Land: lustrous crystals, pseudomorphs **28:**123
Baltika mine, Otavi Mountain Land: euhedral crystals, perimorphs **28:**123p, 124
Berg Aukas mine, Otavi Mountain Land: world-class specimens of varied colors and habits **28:**113–118c,g,h,m,p,q
Bobos area, Otavi Mountain Land: drusy pale green **28:**125
Gross Otavi mine, Otavi Mountain Land: green arborescent **28:**125
Harasib prospects, Otavi Mountain Land: dark green to black cuprian **28:**127
Otavi Mountain Land: various mines, prospects **28:**109–130ff.
Uitsab mine, Otavi Mountain Land: beautiful crystals, varicolored **28:**128
United States
Arizona
Castle Dome district, Yuma County: descloizite reported in 1910 **29:**452
Kullman-McCool claims, Gila County: microcrystals, pseudomorphs **26:**444–445, **26:**446p
Nevada
Gold Quarry mine, Eureka County: brilliant black crystals to 1 mm **26:**455

DESTINEZITE

Slovakia
Pezinok mine, Pezinok: powdery concretions, crystals to 15 μm **31:**160–161p
United States
Tennessee
Alum Cave Bluff, Sevier County: masses of very tiny crystals **31:**170p

DEVILLINE

Czech Republic
Spania Dolina: 5-cm crystal group on matrix **31:**76p
Hungary
Rudabánya: pale blue crusts, aggregates of crystals to 0.8 mm **32:**118, 120
Italy
Liguria
Val Graveglia: in radiolarite veinlets **32:**364
United States
Arizona
Brick 2 mine, Gila County: microcrystals **26:**445

DIABOLEITE

Named (1923) from resemblance to boleite **29:**6
England
Somerset
Higher Pitts mine, near Priddy: microcrystals with chloroxiphite **27:**252–253q, 256h
United States
Arizona
Rowley mine, Maricopa County: granular with mimetite **26:**476n
Tiger, Pinal County: best crystal **33:**221, 223

DIAMOND

A collection of diamond crystals, with notes on the science, history and worldwide localities of diamonds **35:**9–30, 53–54, 63
Barren Lands: An Epic Search for Diamonds in the North American Arctic. Kevin Krajick. 2001 **33:**344–345b
Diamanten. *ExtraLapis* #18. **33:**159b
Diamonds mined in India in ancient and early modern times **34:**7
Illustrations in Sowerby's *Exotic Mineralogy* **26:**MB102
Miscellaneous localities in dealer's stock **26:**152n
Oppenheimer diamond displayed at Tucson by Smithsonian **33:**275
Ownership of Hope Diamond in early 19th century **26:**MB102
Angola
Cuango River, northern Lunda Province: alluvial diamonds **35:**30h,p
Australia
Western Australia
Argyle mine, Kimberley: brown 8-mm octahedrons **26:**227p, 229n; development and production history **35:**19, 21–22g,h,p
Botswana
Jwaneng mine: gem crystals **35:**22
Letlhakane 1 and 2 mines: gem crystals **35:**21p, 22
Orapa mine: gem crystals of many colors and habits **35:**20–21p, 22
Brazil
Mato Grosso
Estralla do Sol: alluvial diamonds mined in 19th century and today **35:**18–19h
Juina diamond province: contemporary claims **35:**19h
Canada
Northwest Territories
Lac de Gras: new diamondiferous kimberlite beginning production **26:**490n, **35:**13; loose crystals from 1 to 5.5 carats **35:**149n
Central African Republic
Bangui region: alluvial diamonds **35:**29–30h,p
China
Hunan (northwestern): 1.2-cm macle twin **35:**13
Mengyin, Shandong: gemmy subhedral crystals in matrix **26:**228n; crystals of varied habits to 2 mm **26:**492n
Finland
Eastern Finland: 21 kimberlites discovered, reportedly with diamonds **26:**494
Ghana
Locality not specified **35:**No. 1 (cover)
Scattered diamond deposits **35:**30
Namibia
Oranjemund district: history of gem diamonds **35:**28p, 29
Russia
Aikhal mine, Yakutia: sharp octahedrons to 1 cm **26:**152n
Udachny mine, northern Siberia: octahedrons to 1 cm in matrix **26:**228n
Yakutia Craton diamond mines: gem crystals, some matrix specimens **35:**13h
Sierra Leone
Kenema, Eastern Province: history of gem diamonds **35:**27–29h,p
South Africa
Finsch mine, Orange Free State: gem crystals **35:**26–27p
Localities not specified: gemmy spinel twins to 1 cm **35:**154n
Cape Province
Kimberley district: history of gem diamonds **35:**22–24h,p
Vaal River district: history of gem diamonds **35:**25–27h,p
Transvaal
Premier mine: history of gem diamonds **35:**24–25h,p; Cullinan diamond **35:**14p, 25
Tanzania
Williamson mine, Mwadui: history of gem diamonds **35:**27h,p
United States
Colorado
Sloan 2 Diatreme, State Line district, Laramie County: gemmy crystals to 5 mm **28:**204n, 206p
Zaire
Mbuji-Mayi: 2.6-cm octahedral crystal **33:**258p, 259n; industrial diamonds **35:**13

DIAPHORITE

Bolivia
Cerro Rico de Potosi, Potosi: 3-mm crystals with miargyrite, pyrargyrite **30:**21p
Canada
British Columbia
Van Silver mine: striated prismatic crystals to 5 mm **31:**225–226p

DIASPORE

Turkey
Aydin-Mugla region: gemmy V-twins **26:**152n
Selcuk, Mugla-Aydin region: gemmy 3-cm crystal **31:**38p

DICKITE

France
Raberjac mine, Lodev, Herault: white to transparent crystals to 4 mm **26:**494n
Russia
Dal'negorsk, Primorskiy Kraj **32:**(15)
United States
Colorado
Sweet Home mine, Park County: platelets to 10 microns **29:**SH117
New Mexico
Mex-Tex mine, Bingham: cream-colored coatings, masses, possible crystals **30:**340

DIGENITE

Australia
Tasmania
Lord Brassey mine: small grains in ore **33:**326
Brazil
Rio Grande do Norte
Boqueirãozinho pegmatite, Parelhas: masses to 1 meter across in microcline **29:**195
Hungary
Rudabánya: grains, lamellar aggregates, crystals to 3 mm **32:**120
Italy
Liguria
Val Graveglia: small masses **32:**364
Namibia
Onganja mine, Seeis **27:**(96)
United States
Colorado
Sweet Home mine, Park County: with other ore sulfides **29:**SH117, 138–139q
Connecticut
Bristol mine, Hartford County: doubtful occurrence **32:**447
Montana
Butte, Silver Bow County: abundant masses, world's best crystals **33:**52–53p
Zaire
Musonoi Extension mine, Katanga: seleniferous, main copper ore **30:**261

DIOPSIDE

Afghanistan
Markhi Khel near Spinghar, Nangarhar: smoky green, lustrous crystals **28:**508n
Sar-e-Sang mine, Badakhshan: green crystals in calcite **35:**148n, 150p
Australia
Tasmania
Lord Brassey mine: granular veins in serpentinite **33:**326
Canada
Northwest Territory
MacDonald Island: 4-cm crystals with black spinel crystals **26:**219n; sharp gray-green crystals to 2.5 cm **28:**205n
Quebec
Jeffrey mine, Asbestos: drusy crystals with orange-pink grossular crystals **30:**49n; elongated crystals with grossular, tabular transparent crystals **35:**125–127, 133; transparent pale greenish brown blades to 2 cm **35:**250n
China
Xinjiang Uygur Province: euhedral, part-gemmy crystals to 30 cm **34:**280p, 283n
France
Trimouns quarry, Luzenac, Ariège: tabular mm-size crystals **35:**236
Italy
Liguria
Molinello mine, Val Graveglia: brown manganoan crystals **32:**364–365
Madagascar
Itrongay: dark green gemmy crystals **34:**83–85p
Southern Madagascar: sharp, gemmy green crystal 4 cm long **28:**414p, 416n
Mexico
Durango
Ojuela mine, Mapimí: crystals to 3 cm with sulfides **34:**OJ62
Pakistan
Chamachu, Baltistan: gemmy crystals to 9 cm **30:**150n; gemmy, terminated, deep green prisms to 8 cm **30:**215p, 224n
Khapalu **28:**195p
Russia
Asbest, Ural Mountains: 4-cm specimen with grossular crystals **26:**524p
Bazhenovskoye deposit, Asbest, Middle Urals: 10-cm crystal cluster **31:**393p
Dal'negorsk, Primorskiy Kraj: common skarn mineral, crystals to 10 cm **32:**15
Tchukotka: plumes of crystals to 3 mm **26:**493
Tanzania
Merelani mine, Arusha: gemmy 4.5-cm crystal **27:**218p, 220n; tiny green crystals graphite **28:**60n; gemmy 2.5-cm crystals on graphite **31:**280n
United States
Alaska
Green Monster Mountain, Prince of Wales Island: subhedral grains **35:**395
New York
Kingsbridge, Manhattan, New York City: opaque brownish crystals to 7 cm in marble **28:**467–469c,d,h, **28:**471p
Vermont
Eden Mills quarry: subhedral prismatic crystals **27:**216n; small prisms with grossular **27:**449n

DIOPTASE

Angola
Mavoyo: crystals to 3 cm **33:**77
Congo (People's Republic)
Locality not specified: crude crystals to 1.25 cm **34:**90n
'Mbumba, Pimbi Hill, Mindouli region: fine specimens **33:**77
M'Fouati: good specimens from copper prospects **33:**77
Reneville: bright crystals to 2 cm with wulfenite **27:**144n; tons of specimens yielded **33:**77
Kazakhstan
Altyn-Tube mine: crystals to 2.7 cm **26:**521p; abundant good specimens **27:**221; crystals to 1 cm on limestone **30:**224n; first description **33:**77; sharp crystals to 1.5 cm **35:**255n
Namibia
Guchab, Otavi Mountain Land: crystal clusters, old specimens **28:**126
Kombat mine: rare accessory **33:**77
Omaue deposit, Kaokoveld: crystals to 1 cm on chrysocolla/plancheite **33:**77
Rodgerberg mine near Guchab station: crystals to 2 cm, early 20th century **33:**77
Tsumeb: **29:**(136); sharp gemmy crystals to 5 cm on calcite **33:**77
South Africa
Cape Province
Aggeneys district: small crystals on gossan **33:**78
North-West Province
Christiana: crystals to 1 cm **33:**78
United States
Arizona
Morenci, Greenlee County: 3-mm crystals in druses on quartz **27:**452n
Zaire
Katanga: mentioned from 5 mines **33:**77
Mashamba west mine, Katanga: crystals to 3 mm on cobaltoan calcite **33:**77
Tartara mine, Shinkolobwe, Katanga: good crystals to 2 cm in dolomite **35:**255n
Zimbabwe
Inez mine, Hartley district **33:**(78)
Lomagundi district **33:**(78)
Midway mine, Fort Victoria **33:**(78)

DISSAKISITE-(Ce)

France
Trimouns quarry, Luzenac, Ariège: sharp, transparent brown microcrystals **35:**232p

DJURLEITE

Hungary
Rudabánya: masses with digenite to 6 cm **32:**120
Italy
Liguria
Molinello mine, Val Graveglia: small black crystals **32:**365
Kazakhstan
Anna mine, Dzhezkazgan: thick knobs of lustrous black crystals on quartz **30:**224n
Dzhezkazgan: splintery crystals with blue-purple iridescence **33:**97n
Mine 57, Dzhezkazgan: parallel bundles of bladed crystals to 4 cm **29:**132n
United States
Connecticut
Bristol mine, Hartford County: may be sooty coating on chalcocite **32:**446, 447
Montana
Butte, Silver Bow County: twinned crystals resembling chalcocite **33:**53
New Mexico
Scholle district, Torrance County: replacing wood **28:**54

DOLOMITE

Bolivia
Cristalmayu near Villa Tunari, Chapare, Cochabamba **26:**(487)
Brazil
Bahia
Brumado: lustrous 19-cm twins **26:**223n,p; rhombohedrons to several cm **26:**489n; superb crystals **31:**181
Canada
British Columbia
Mount Brussilof near Radium: excellent crystals **26:**491n; lustrous white twinned rhombohedrons with svanbergite **35:**152n
Northwest Territory
Polaris mine, Little Cornwallis Island: curved gray rhombs to 5 cm **28:**136n
Quebec
Lac Nicolet mine, South Ham: yellow-brown ferroan, microcrystals **27:**126
Saint-Amable sill: colorless to pale pink microcrystals **29:**97
Saskatchewan
Rabbit Lake mine, Wollaston Lake: pinkish gray rhombs to 3 cm **27:**59n

England
Cumbria
Brownley Hill mine, Alston Moor: most purported specimens ankerite **31:**245
Yorkshire
Boulby mine, Loftus, Cleveland: minor rock constituent **27:**168
France
Trimouns quarry, Luzenac, Ariège: undistorted rhombohedral or saddle-shaped crystals to several cm **35:**236
Hungary
Rudabánya: translucent white rhombs to 3 mm **32:**120
Italy
Liguria
Val Graveglia: white to pink manganoan crystals to 8 mm **32:**362p, 365
Piemonte
Traversella: twins to 10 cm **31:**510
Tuscany
Carrara quarries **31:**(510)
Serravezza: rhombohedral crystals to 1 cm **27:**52
Iran
Hormuz Island: floater clusters of reddish brown rhombohedrons to 3 cm **32:**253n
Ireland
Auchenmore quarry, Sligo: 1.5-cm saddle-shaped rhombohedrons on shale **28:**208n
Kazakhstan
Dzhezkazgan: small pink saddle crystals **30:**224n
Mexico
Chihuahua
Los Lamentos district: gangue mineral (doubtful occurrence) **34:**LL23
Durango
Mapimí district: veins, masses, crystals to 4 cm **34:**OJ62
Namibia
Abenab West mine, Otavi Mountain Land: pearly crystals **28:**123
Norway
King's mine, Kongsberg: white rhombohedral crystals to 4 mm **32:**197
Peru
Casapalca district, Lima Dept.: globular aggregates to many cm across **28:**P81
Huanzala mine, Huallanca district, Huanuco Dept.: saddle crystals to 3 cm **28:**P50
Huaron mines, Pasco Dept.: beige to pink saddle crystals, pseudomorphs **28:**P69
Pacococha district, Lima Dept.: colorless to white rhombohedrons **28:**P84
Quiruvilca district, La Libertad Dept.: crystals, coatings on tetrahedrite **28:**P24
Russia
Dal'negorsk, Primorskiy Kraj: massive **32:**15
Slovakia
Pezinok mine, Pezinok: veins, masses **31:**157
South Africa
Cape Province
Jan Coetzee mine, Okiep district: 13-cm epimorph after calcite **35:**312p
Spain
Eugui quarry, Navarre: large specimen with 7-cm crystals **30:**153n
Picos de Europa, Santander: saddle-shaped crystals, matrix for sphalerite **27:**184
Switzerland
Turbenalp, Binntal, Valais: smoky gray translucent to transparent twins **31:**280n
United States
California
Carson Hill mine, Carson Hill, Calaveras County: crystals to 1 cm **26:**477–478n
Colorado
Sweet Home mine, Park County: massive, in gangue **29:**SH117
Connecticut
Bristol mine, Hartford County: curved white to tan, 2-cm crystals **32:**448
Illinois
Cave in Rock district: white rhombic crystals with fluorite **28:**34
Irene, Mulford and Mt. Carroll quarries: drusy vug linings **26:**130
Minerva #1 & Deardorff mines, Hardin County: ferroan, closely packed rhombs **28:**34
Kentucky
Halls Gap, Lincoln County: druses of saddle-shaped crystals in geodes **28:**373
Montana
Butte, Silver Bow County: curved rhombohedrons as microcrystals **33:**53
Nevada
Gold Quarry mine, Eureka County: 0.5-mm crystals **26:**455
Meikle mine, Elko County: banded "zebra dolomite" with crystals to 2 mm **30:**191
New Jersey
Buckwheat dolomite, Franklin: drusy crystals in vugs in massive **27:**439–442
New York
Eastern Rock Products quarry, St. Johnsville: crystals with "Herkimer" quartz and calcite **27:**449n
Kingsbridge, Manhattan, New York City: component of marble **28:**469
Tennessee
Elmwood mine, Smith County **27:**(171)
Zaire
Kakanda area, Katanga: tiny pink cobaltoan crystals **30:**261, 263p
Katanga Crescent region: cobaltoan **30:**261q, 269–273p,q; determination **31:**213
Kipushi mine, Shaba: zincian, as casts over calcite **26:**179–180p,q

DOMEYKITE
Hungary
Rudabánya: coatings, fissure fillings, rare crude crystals **32:**120
Russia
Bor pit, Dal'negorsk, Primorskiy Kraj: inclusions in bismuth **32:**16

DONNAYITE-(Y)
Canada
Quebec
Mont St.-Hilaire: superb thumbnail **29:**212n
Saint-Amable sill: crystals to 1 mm of various colors, forms **29:**97, 98p

DONPEACORITE
United States
New York
Z.C.A. #4 mine, Balmat, St. Lawrence County **26:**(483)

DOYLEITE
Canada
Quebec
Saint-Amable sill: rosettes of white tabular crystals to 0.6 mm **29:**97

DRAVITE
Letter argues that Burmese vanadian "uvite" is dravite **27:**67
Brazil
Bahia
Brumado mine, Brumado: calcian dravite crystals to 8 cm **26:**489n; sharp crystals to 5 cm **31:**181; chemistry as affecting color **31:**181q
Espirito Santo
Vargem Alegre: lustrous black crystals of "dravite-schorl" **30:**52n
Minas Gerais
Souza: black crystals to 10 cm in schist **26:**489n
Canada
British Columbia
Silvana mine, Sandon: needle crystals to 4 mm in veinlets **27:**436
Yukon Territory
Scepter claim near Emerald Lake, Hess Mountains: velvety dravite/schorl **26:**491n
Myanmar (Burma)
Mogok district: green chromian dravite crystals **32:**55
Nepal
Ganesh Himal, Dhading: doubly terminated brown crystals to 5 cm **28:**135p, 136n
Gujarkot, Bheri Zone: dark brown doubly terminated, to several cm **26:**496–497n
Russia
Mikhaylovskoye mine near Krasniy Chikoy, Chita Oblast: gemmy green crystals to 4 cm **26:**493n; **26:**532p

DUFRENITE
Brazil
Minas Gerais
Sapucaia pegmatite, Galiléia: possible alteration product of triphylite **30:**353
United States
Nevada
Willard mine, Pershing County: botryoidal vug linings, fracture coatings **32:**300
New Mexico
Santa Rita mine, Grant County: good crystals to 5 mm **26:**483n

DUFTITE
Italy
Tuscany
Tognetti quarry, Serravezza: single specimen, apparent pseudomorph **27:**53
Mexico
Durango
Ojuela mine, Mapimí: masses, coatings on wulfenite **34:**OJ61p, 62
Morocco
Touissit: botryoidal, with azurite and cerussite **31:**99n
United States
California
Shirley Ann claim, Inyo County: dark red crystal clusters to 0.3 mm **32:**396

DUGGANITE
United States
Utah
Centennial Eureka mine, Juab County **28:**(177)

DURANGITE
United States
Utah
Topaz Mountain Rhyolite, Juab County **26:**TZ58m

DUSSERTITE
Mexico
Durango
Ojuela mine, Mapimí: small veins, microcrystal rosettes to 4 mm **34:**OJ62–63
Russia
Brenner mine, Dal'negorsk, Primorskiy Kraj: in secondary Pb/Zn/Cu suite **32:**16

DYPINGITE
Australia
Tasmania
Lord Brassey mine: botryoidal masses, crusts on serpentine **33:**326–327p,q

DYSCRASITE
Germany
Harz Mountains
Andreasberg: 5-cm crystal group **30:**92p

DZHALINDITE
United States
Wisconsin
Flambeau mine, Ladysmith, Rusk County: crystals visible at 500X **30:**123