**Quiruvilca district, La Libertad Dept.: crystals to 7 cm in large groups** 28:p25–26p

**Russia**

Elbussiky mine, Caucasus: brilliant red-orange crystal druses on matrix 30;224n; druses with barite crystals 33;274n

**United States**

Gold Quarry mine, Eureka County: thin veinlets 26:462

Twin Creeks mine, Winnemucca: crystals to 4 cm in large groups 31;100h; sharp, lustrous crystals to 3 cm in groups to 35 cm 31;273n; special case at Tucson Show 2000 31;285; collecting specimens in 1999 31;311–322, 331c,d,h,p,q; 31:No. 4 (cover)

**ORTHOCERAS**

**Brazil**

Minas Gerais

Divino de Laranjeiras, Linopolis: adularia pseudomorphs after eosphorite 26;490n

Morro Redondo: Manebach and Baveno adularia twins to 14 cm 27;449n

**Bulgaria**

Osogovo Mountain, Kjustendil: Carlsbad-twinned floaters 28;208n

**Canada**

British Columbia

Silvana mine, Sandon: gemmy colorless crystals 27;437

Quebec

Lac Nicolet mine, South Ham: 2-mm adularia crystals 27;128

**France**

Ceihes, Herault: Carlsbad twins to 5 cm 26;494n

La Combe de la Selle, Isère: adularia crystals to 3 cm 32;228d

**Germany**

Obersachsen

Schneckenstein: pseudomorphs after topaz to 3 cm 26;TZ42

**Italy**

Liguria

Val Gravegia: crystals to 3 cm 32;369

Lombardy

Baveno, Lake Maggiore: pale flesh-colored crystals to 5 cm 26;576n; pink, Baveno-twinned crystals 31;510

**Tuscany**

Pitone quarries, Serravezza: adularia crystals to almost 1 cm 27;54

**Madagascar**

Locality not specified: gemmy yellow 27;66

South Betroka: colorless, gemmy crystals 26;495n; study shows material to be sanidine 33;79–80q

**Malawi**

Mt. Malosa, Zomba: blocky crystals with aegirine 26;149n; 10-cm crystals 35;407

**Mexico**

Guanajuato

Valenciana mine: white crystals of “valencianite” with milarite 35;407

**Morocco**

Mideelt, Imelchelle: sharp, lustrous, tan to gray “moonstone” crystals to 2 cm 34;281n

**Namibia**

Ergo Mountain, 20 km north of Usakos: creamy white, hosting aquamarine 32;64

Omoruru, Ergo Mountains 31;(99)

**Norway**

Drammen, Buskurud: crystal rosettes with schorl 32;197

**Pakistan**

Nicosia, Basha Valley, Baltistan: pale green, blocky crystals, twins 29;132n, 134p

**Russia**

Konder, Khabarovskiy Kray: tiny euhedral crystals 27;65n

Nevjansk, Urals: minute nuggets 28;136n

**Switzerland**

Locality not specified: twinned, chlorite-dusted crystals to 5 cm 30;221n

**United States**

Alaska

Copper Mountain, Prince of Wales Island: translucent twinned crystals 35;400

California

Stewart mine, Pala district, San Diego County: 5.1-cm crystal 33;378p

New York

Valentine talc mine, Harrisville: tiny needle-crystals covering matrix 30;44n

Wisconsin

Flambeau mine, Ladysmith, Rusk County: gemmy microcrystals 30;125p

ORTHOSPERPITE

**United States**

Arizona

Childs Aldwinkle mine, Copper Creek district, Pinal County: post-mining 26;476n; submicroscopic crystals in post-mining deposit 27;189–190c,g,h,p,q

OSMIUM

**Russia**

Konder, Khabarovskiy Kray: tiny euhedral crystals 27;65n

Nevjansk, Urals: minute nuggets 28;136n

OTTEMANNITE

**Bolivia**

Cerro Rico de Potosi, Potosi: minute laths in polished ore sections 30;23

OTWAYITE

**Australia**

Tasmania

Lord Brassey mine: inclusions in zaratite 33;328–329

OURSINITE

**Zaire**

Katanga Crescent: whitish fibers to 1 mm with uranium minerals 30;266–267

OWYHEEITE

**Russia**

Nikolaevskiy mine, Dal’negorsk, Primorskiy Kraj 32;(24)
GENERAL INDEX

PACHNOLITE

United States
Colorado
St. Peters Dome 30:288
Nevada
Zapot pegmatite, Mineral County: masses to 1 cm 30:288, 290
Virginia
Morefield pegmatite near Amelia 26(486); rare microcrystals 26:555c,g,p

PAKISTAN

A guide to the mineral localities of the Northern Areas, Pakistan 28:183–200,p
Alchuri, Shigar Valley, Baltistan 28:201a, 29:132s, 34:188s
Alilabad, Hunza Valley 30:41s, 32:493s, 494s, 495s
Apaluqin 26:497s
Arondu, Haramosh Range, Baltistan 32:253s, 32:487s, 489s
Ashadi 26:64s, 28:212s, 29:217s
Ashor mine near Shigar, Karakorum Mountains 27:65s
Astore, Nanga Parbat Area near Chilas 31:282s
Baha, S.W. Buspad Peak, Baltistan 28:508s
Baluchi, Northern Areas 28:201s
Baluchistan 35:148s
Basha Nala, Shigar Valley, northeast of Skardu 26:497s
Bienisa, above Arondu, Haramosh Range, Northern Areas 32:55s
Bulbin, Wazarat district 26:497s
Bulochi, Gilgit-Skardu Road, Northern Areas 29:132s
Chamachu, Baltistan 30:150s, 30:224s
Charan, Baluchistan 35:149s
Chappu, Baltistan 35:150s
Chigar-Tow 35:148s
Chilas, near Nanga Parbat, Kohistan 26:153s, 30:53s
Chirphal 32:493s
Chumar Bakhoor, Nagar, Northern Areas 29:136s, 30:66
Dara Ismael Khan district, Waziristan 30:41s
Dassu, Baltistan 26:497s, 31:59s, 31:60s
Dassu Valley, Skardu 30:41s
Drot, Gilgit-Skardu Road, Northern Areas 26:225s
Drot Balachi area 26:TZ23
Drot-Balachi, near Shengus, Gilgit-Skardu road, Drot Balachi area 26:497s
Dusso area
Dussu area 26:TZ22g, 26:497s
Dusso, near Dusso, Baltistan 26:497s
Dusso and Dassu 26:497s
Ghulshadn Hoil, Katlang, Mardan 26:No. 1 (cover), 31:61s
Gilgit Division
Gilgit Division 26:TZ18, 22g, 29:217s
Haramosh massif 26:TZ22g, 23g
Hasbrooja, Northern Areas 28:201s
Hashupana, Shigar Valley, Baltistan 30:471s, 34:88s, 34:126s
Hunza 34:56s
Ishkapol, above Sassi, Gilgit-Skardu Road 27:391s
Kashmal, between Dusso and Shigar 26:TZ23s
Katlang, Mardan district 26:TZ19g, 26:TZ35g, 31:No. 1 (cover)
Khapalu, Ghanche district, Baltistan 28:508s
Laila base camp, Haramosh Mountains, Gilgit Division 34:279s, 35:225s–256s
Mardan 26:TZ14g, 26:TZ38g
Nagar, Hunza Valley, Northern Areas 28:133s, 31:50s, 31:52s, 33:No. 4 (cover)
Naisio, Shigar Valley 28:201s
Nanga Parbat area 33:97s
Nicola, Basha Valley, Baltistan 29:132s
Nuristan 26:152s
Nyit Brik mine northeast of Dusso 26:TZ22g
Olter Valley, Hunza 35:150s
Raikot, Chilas, Northern Areas 35:149s
Rondu district, Gilgit-Skardu Road, Northern Areas 29:136s
Sabir, Rondu district, Gilgit-Skardu road 27:390s
Sabsar, Rondu District, Northern Areas 32:60s
Sapat (Sapat, Suppat, Sopat), Kohistan Province 26:142g, 29:136s, 30:238s
Shengus area, Gilgit division 26:497s, 29:132–133s, 30:224s, 31:48s, 31:53s
Shigar, Baltistan 28:212s, 31:99s, 35:160s
Shigar Valley, Gilgit 27:145s, 27:222s, 28:137s, 30:150s, 31:46s, 31:No. 2 (cover), 34:No. 4 (cover)
Shingsus area 26:TZ22g, 23
Skardu (near airport) 29:217s
Stak Nala 26:TZ22g, 26:TZ23s, 28:201s, 31:69s
Sumput Nala near Dasu, Kohistan, Northwest Frontier Provinces 26:228s
“Suppat, between Kamila and Naran” (suggested best rendering of forsterite locality, cf. “Sumput Nala” and “Sappat,” above) 26:228, 26:497g,h; 35:144s
Tor Ghar (Torghur) Mountain, Northwest Frontier Province 35:207h, 215s, 35:255s
Tormiq Valley, north of Skardu 26:497s, 28:212s
Wadd, Baluchistan 35:149s
Wama, Dara Ismael, Khan district, Northwest Frontier Province 34:282s, 28:201s
Wanna, Waziristan, Northwest Frontier Province 32:55s
Waziristan 30:150s, 30:151s
Yuno mine, Gilgit 34:92s
Yunoo village, Shigar Valley, Skardu 35:155s
Zagi (Zegi) Mountain, Northwest Frontier Province 33:No. 6 (cover), 33:523s, 34:188s, 35:205–220h,m,p, 35:233s

PALENZONAIITE

Italy
Liguria
Val Gravleggia: masses, veinlets, isometric crystals to 7 mm 32:367p, 369

PALLADIUM

Russia
Konder, Khabarovskyi Kray: tiny euhedral crystals 27:65n

PALLYGORSKITE

Australia
Tasmania
Lord Brassey mine: fine-grained, in altered serpentinite 33:329

France
Trimoun quarry, Luzenac, Ariège: mm-size white fibers 35:240

Russia
Dal’negorsk, Primorskiy Krai: “mountain leather” mats to 50 x 50 cm 32:24

PANDAITE

China
Ping Wu, Xue Bao Dian, Sichuan: rounded crystals on cassiterite 35:266p

PALOLOVITE

Russia
Oktyabr’skojoe deposit, Talnach near Norilsk, Siberia 26:144

PAPAGOITE

South Africa
Messina mine, Transvaal: included in quartz with ajoite, cuprite 27:65p, 66

PAPUA NEW GUINEA

Edie Creek, Wau district 35:60h
Mount Kare area 26:497s, 35:60h
Porgera deposit 35:60h

PARADAMITE

Mexico
Durango
Ojuela mine, Mapimi: world’s best specimen 28:213; complete description of occurrence 34:O779–80p

PARADOCRASITE

Australia
New South Wales
Broken Hill: in stibarsen 27:70–71q

Canada
British Columbia
Atlin: in stibarsen 27:70–71q

Mexico
Sonora
Mojotema: in stibarsen 27:70–71q

PARAGONITE

Russia
Slyudonuridkin, Vyshytym, Urals: pure scaly masses 26:493

PARALSTONITE

United States
Illinois
Annabel Lee mine, Hardin County: on yellow fluorite 28:40p
Minerva #1 mine, Hardin County: identified by X-ray diffraction 28:40; barite pseudomorphs after paralstonite, microcrystals 28:144–466c,g,p,q

PARANATROLITE

Canada
Quebec
St-Amable silt: thin epitactic layer on nattrolite 29:105–106

PARAPIERROTITE

United States
Utah
Lookout Pass, Toole County 26(486)

PARABEALGAR

United States
California
Lily mine, Ica: blocky greenish black crystals to 0.2 mm 32:125

PARASYMPLITES

See Köttige-Parsymplexis

PARATACAMITE

Chile
San Francisco (formerly Beatrix) mine, Serra Gorda: with seeligerite 26:492; zincian, microcrystals with christelite 28:205s

Hungary
Rudabanya: crusts, masses to 2 cm, tabular crystals to 0.2 mm 32:125

Mexico
Baja California
Boloe deposit: spheres, rosettes 29:42; pseudomorph after anglesite 29:61p

Peru
Lily mine, Ica: blocky greenish black crystals to 1.5 cm 34:253p

United States
Kentucky
Halls Gap, Lincoln County: green hemi- spheres, identification questionable 28:380

PARAVAXUI

Bolivia
Llallagua: 6.5-cm specimen, with chalcopyrite 26:199p
Siglo XX mine, Llallagua: green bladed crystals to 2 cm 31:512n; 3.3-cm crystal 32:466p; on matrix with chalcopyrite 32:466p
GENERAL INDEX

Sweden
Leveäniemi deposit, Svappavaara, Norrbotten
27:(209)
PARGASITTE

Morocco
Bow Agru: sharp crystals to 4 cm on feldspar
30:221n

Myanmar (Burma)
Mogok: gemmy green 3.8-cm crystal 33:259p, 260n

Pakistan
Aliabad, Hunza Valley: short-prismatic green
 Within calcite 30:41n, 46p

Sri Lanka
Kolonne, near Embilipitiya: very sharp black
 crystals embedded in calcite 31:282n; tabular
 greenish black crystals to 8 cm 31:510–511p;
 lustrous black crystals to 3.5 cm 32:253n

PARGASITTE-(Ce)

Colombia
La Pita mines: sharp barrel-shaped crystals to 1
 cm 35:251n

France
Trimouns quarry, Luzenac. Arègîe: sharp
 orange-brown crystals to 2.8 cm, some gemmy
 35n: No. 3 (cover), 35:240–241d,p

Malawi
Mt. Malosa: rough tan crystals to 2.4 cm on
 microcline 30:150n; clusters to 5 x 5 cm
 32:494n; terminated crystals to 5 cm 34:86n;
 34:(185); 1.9-cm crystal on aegirine 34:280p

Norway
Kongsberg mines: specimen in British Museum
 32:197

Pakistan
Locality not specified: 3 x 4-cm complete,
 terminated crystal 35:145n
Undisclosed locality: tabular crystals to 3.5 cm,
 possibly bastnäsite 30:153n
Zagi Mountain, Northwest Frontier Province:
 3-cm crystals 35:217p

Russia
Dodo deposit, Subpolar Urals: crystals to 1
 mm, possible Sr-analog 30:437

PARNAUITE

Italy
Liguria
Scrava mine, Val Graveglia: tabular crystals
to 3 mm in fossil wood 32:367p, 369

Spain
Mazarrón-Águilas district, Murcia: microcrystals,
identification uncertain 34:328

PARSSETTENSITE

Italy
Liguria
Val Graveglia: platy or micaceous crystals
32:369

PARTZITE

Hungary
Rudabánya: coatings and masses to 3 mm
32:125

PAULMOOREITE

Sweden
Långban, Värmland 27:(207)

PEARCEITE

Kazakhstan
Sartbayskoe mine near Rudny: excellent crystals
to 5 mm 26:493a

Mexico
Guanaajuato
Guanaajuato district 30:(30)

PECORAITE

Australia
Tasmania
Lord Brasse mine: dark green crust, one
 specimen 33:329

Russia
Tschersemchanskoie, Urals 26:(493)

PECTOLITE

Canada
Quebec
Jeffrey mine, Asbestos: translucent white
 terminated crystals 35:123
Mont Saint-Hilaire: glassy thick prisms to 2
 cm 26:222n
Saint-Amable sill: blocky crystals to 1 mm,
 white fibrous sprays 29:106

Russia
Talnakh, Noril’sk, Siberia: mixed with okenite
 in "pektokinite" 26:493; 28:(137); United
 States
New Jersey
Millington quarry, Somerset County: 26:(482),
 26:(578), 27:(147); pale pink hemispherical
 aggregates 28:132n; white, pink, red spheres to 6
 cm 31:408–410p

PEGMATITES

Brazilian pegmatites containing cuprian elbaite
 33:131–132
Gem and rare-element pegmatites of southern
 California 33:363–407
Types of pegmatites hosting topaz 26:TZ14–28
Adun Chilon, Onon-Borzinskaya Mountains,
 Nercinsk, Russia 26:TZ30–32, 32:44, 32:45
Aguanga Mountain pegmatite district, San
 Diego County, California 33:371–373
Akhzhayau massif pegmatites, Kazakhstan 32:45g
Alabashka-Mursinka-Adui district, Ural
 Mountains, Russia 26:TZ67–69, 32:44
Alto del Gizo, Equador, Rio Grande do Norte,
 Brazil 33:505–510, 521
Alto Ligonha area, Mozambique 31:459–497
Anjanabonoima pegmatite, Madagascar 33:82
Antandrokomby pegmatite, Madagascar 33:82
Baja California, Mexico, gem-bearing pegmatites
 33:404–406
Barra de Salinas pegmatites, Minas Gerais, Brazil
 33:209–216
Batalha mine, Parába, Brazil 33:127–137
Bocheiron Zinho pegmatite, Parába, Brazil 31:181
Boquerriozinho pegmatite, Parelhas, Rio Grande
do Norte, Brazil 29:193–197, 33:131
Borschchovchyn Range, Transbaikal, Russia
 32:44
Chihuahua Valley pegmatite district, San Diego
 County, California 33:369–371
Eastern Brazilian pegmatite province (abstract)
31:178
Erongo Mountains, Namibia (abstract) 33:78–79
Fianarantsoa pegmatite, Madagascar 33:82
Foote mine, Kings Mountain, Cleveland County,
 North Carolina 35:407
Gilgit Division, Pakistan 26: TZ22–23
History of Brazilian pegmatite gem mining (abstract)
31:178
Högbo, Gothenburg, Sweden 27:208, 35:408
Jacumba pegmatite district, San Diego County,
 California 33:403–404
Jaguaruçu pegmatite, Belo Horizonte, Minas
 Gerais, Brazil 35:408
Kalban district, Kazakhstan 32:45
Kent massif pegmatites, Kazakhstan 32:45, 35:408
Klein Spitzkopje, Swakopmund, Namibia 26: TZ16
Korosten pluton, Ukraine 32:45
Kremnichen and Kusebruch quarries, Titling,
 Bavaria, Germany 35:408
Lavra Berilo Branco, Minas Gerais, Brazil 30:361–
365
Linopoli, Minas Gerais, Brazil 28:489–493
Little Three mine, San Diego County, California
 26: TZ23
Llano Uplift, Mason County, Texas 26: TZ28
Luumâki, Finland 26: TZ19
Malkhane (Malkhanskiy) pegmatite field, Krasniy
 Chikoy, Chita Oblast (Transbaikal), Russia
 26:229, 32:41, 32:44
Mama district, Transbaikal, Russia 32:44
McKinney mine, Spruce Pine district, North
 Carolina 27:289–290
Mesa Grande pegmatite district, San Diego,
 California 33:390–398
Mile 72, Swakopmund, Namibia 33:295–296
Mimoso do Sul mine, Santa Teresa, Espirito Santo,
 Brazil 26: TZ23
Morefield pegmatite, Amelia County, Virginia
 26:551–556
Mursinka pegmatites, Ural Mountains, Russia
 26: TZ19–22, 32:41
New England pegmatites 30:467
Noro, Râo Island, Sweden 27:209
Northern New England pegmatites 26: TZ64
Pala pegmatite district, San Diego County,
 California 33:374–389
Pamir pegmatites, Muzkol’ skovo complex, Rang-
 kul’ region, Tajikistan 32:45
Peninsular Batholith, San Diego, California,
 26: TZ66
Pikes Peak Batholith, Colorado 26: TZ65
Pitkäranta, Russia 32:45
Ramona pegmatite district, San Diego County,
 California 33:398–403
Rincon pegmatite district, San Diego County,
 California 33:389–390
Riverside County, California pegmatite district
 33:366–369
Rumi Tucu mine, Papachacra, Catamarca, Argent-
 ina 26: TZ16
Sakavala pegmatite, Mandosonoro, Fianarantsoa,
 Madagascar 35:369–378
Sapucaia pegmatite, Galiléia, Minas Gerais, Bra-
Sawtooth Batholith, Idaho 26: TZ16, 66
Sels Viiberget, Kramfors, Sweden 27:208
Sherlova Gora, Onon-Borzinskaya Mountains,
 Nercinsk, Russia 26: TZ30–31
Tourmaline Queen mine, San Diego County,
 California 33:378–381, 409–425
Ural Mountains, Russia gem pegmatites (abstract)
31:183
Urinskoye pegmatite field, Transbaikal, Russia
 32:44
Urul River deposits, Borschchovchynou Moun-
 tains, Nercinsk, Russia 26: TZ22
Utó area, Sweden 27:208
Vigezzo Valley rare earth pegmatites, Piedmont,
 Italy 35:408
Virgem da Lama, Minas Gerais, Brazil 26: TZ23
Volodarsk-Volnyhia pegmatites, Ukraine
 26: TZ16–19, 32:45
Vodorazhdelnye, Menza district, Malkhanskiy
 field, Transbaikal, Russia 32:44
Warner Springs pegmatite district, San Diego
 County, California 33:373–374
Yubileynaya pegmatite, Kola Peninsula, Russia
 27:209
Zapot pegmatite, Mineral County, Nevada
 30:277–292

PELLYITE

United States
California
Trumbull Peak, Maricopa County: anhedral
grains, masses less than 3 mm 30:415
GENERAL INDEX

PENFIELDITE
Chile
Margarita mine, Sierra Gorda: small, sharp crystals in galena 34:118
Sierra Gorda: bipyramidal crystals to 5 mm with boleite 33:99q; 33:259

PENNANTITE
Italy
Liguria
Gambatesa mine, Val Gravellia: vanadian "grovesite" 32:369

PENNYSYLVANIA
Pennsylvania Minerals & Gems exhibit installed at Carnegie Museum 27:453
Bachman mine near Hellertown, Northampton County 28:53s
Cornwall mine, Lebanon County 28:412s, 30:471s
Ecton mine 32:436s
French Creek mines, Reading County 26:156h, 28:61s, 29:137s, 30:95s
General Trumble's mine near East Whiteland, Chester County 28:53s
Meckley quarry, Mandata, Cumberland County 28:53s
Mt. Holly Springs, Cumberland County 28:53s
Mount Hope, Adams County 31:509s
Parkesburg 27:391s
Perkiomenville mine 30:471s, 32:436s
Springfield 27:391s
Wheatley mine, Phoenixville 29:137s, 30:95s, 30:471s, 31:276s, 32:554s, 32:436h, 33:523s, 524s
Wood's mine, Lancaster County 27:221s, 30:95s

PENROSEITE
France
Near Penroseite Knob, San Benito County: lustrous crystals to 1 cm 28:417n

PERIODOT
See Forsterite and "Olivine"

PERITE
Sweden
Längbān, Värmland 27:(207)

PERLIALITE
Locality not specified 26:(143)

PEROVSKITE
Russia
Zlatoust, southern Urals: sharp black cubes to 5 cm 34:92n

PENNITITE
United States
California
Near Perovskite Knob, San Benito County: lustrous crystals to 1 cm 28:417n

PERRIERITE
Germany
Eifel 26:(145)

PERROUDITE
Hungary
Rudabánya: crusts, coatings, crude orange-red crystals to 0.5 mm 32:125

PERSONALITIES
Ahlfeld, Friedrich (biography, bibliography of published works) 34:225–233p
Aren, Joel (and founding of Mineralogical Record) 35:90–81p
Bancroft, Peter: and "Alma Queen" rhodochrosite 29:SH18; tries to collect Bolivian phosphophyllite 30:23; "elite" collector, 31:5p
Bandy, Mark Chance and Jean (at Siglo XX mine, Antofagasta, Chile) 34:518p
Barlow, John ("elite" collector) 31:5p
Barlow, John: and Sweet Home mine rhodochrosite 30:23; "elite" collector, 31:5p
Berczél, János (work on rare-earth elements) 30:471s, 472s; assists R.Z. Kothavala in becoming dealer 31:177
Block, Hans (bio sketch) 34:353
Bonnack, K.C. (and founding of Mineralogical Record) 35:73s
Brush, George Jarvis (and Yale collection) 30:91, 94
Canfield, Frederick ("elite" collector) 31:5
Clark, Ralph: collector profile 33:181–186p
Cumenge, Edouard (bio sketch and bibliography) 29:23–25
Curtis, Juanita (acknowledged for years of service to mineralogy) 31:304
Dana, Edward Salisbury (writes System of Mineralogy, curates Yale collection) 30:88, 91
Dana, James Dwight: writes System of Mineralogy at Yale 30:88, 91; involvement with Bristol, CT dealer 32:436–437
Desautels, Paul: visit to India 34:149–153p; and founding of Mineralogical Record 35:73 ff.
Diaz, Porfirio (dictator of Mexico, 1876–1880) 29:9–10, 34:O11, 18
Dudley, Henry C. (bio sketch) 34:LL8
Dyl, Stanley J. II (bio sketch) 29:154
Ehrmann, Martin (letters with various reminiscences) 27:311–312
Embrey, Peter (and founding of Mineralogical Record) 35:78
Fenn, Benny (collecting at San Pedro Cerrillitos, Mexico) 35:GU11–12p
Ferguson, Robert (journals of 19th-century collector) 31:425–442
Fleischer, Michael (bio sketch & memorial) 30:3–4p
Flink, Gustaf (brief bio sketch) 29:202
Fox, Edwin Marshall (information sought) 28:419–420m
Freilich, Joseph A. (life; building mineral collection) 31:7–8p
Frondel, Clifford: assists R.Z. Kothavala in becoming dealer 34:142–143; and founding of Mineralogical Record 35:77, 81
Gibbs, George (builds early American collection) 30:90–91
Greenway, John Campbell (bio sketch) 34:LL8
Greenville, Charles Francis (bio sketch) 26:MB99–100
Griffith, George (career at Ojuela mine, Mexico) 34:OJ21, 73
Hisinger, Wilhelm (work on rare-earth elements in 19th century) 35:189–190
Jones, Dick (at San Francisco mine) 35:GU47
Koksharov, Nickolay Ivanovich (bio sketch) 26:MB106–111
Korvirge, Joseph (aka. "Copper Joe"), at San Francisco mine, Mexico 35:GU44–47
Kothavala, "Rusty" (autobiographical essay on his career) 34:135–154p
Lenz, Johann Georg (bio sketch and bibliography) 27:191–195
Martinet, Sergio (maker of artificial "Sicilian sulfur" specimens) 33:149–154p
McDole, Ed: and Sweet Home mine rhodochrosite 29:SH17–18; and phosphophyllite 30:29; biographical sketch and anecdotes 33:71–74p; rum bottle displayed 34:285
Montgomery, Arthur: and founding of Mineralogical Record 35:73 ff.; collects at Prince of Wales Island, Alaska 35:384
Moore, Thomas P. (hired as Mineralogical Record editor) 32:266–267
New, Mike (developer of Ojuela mine, Durango, Mexico) 34:OJ47–53p
Oboler, Arch (1970’s collector) 28:453
Ontiveros, Manuel: at Las Vagas, Mexico locality 34:LL55–58; at Amatitlan, Guerrero, Mexico locality 35:GU31–37p
Orito, Aurelio Bustos (major source of Bolivian specimens) 30:23; 34:OJ17
Over, Edwin: and Red Cloud mine wulfenite 27:347, 348; field collector, partnership with Arthur Montgomery 31:298; at Prince of Wales Island, Alaska 35:384
Peabody, George (goes buque to Yale to found Peabody Museum) 30:91
Pelepenko, Vladimir: collector profile 31:389–396p
Perkin, Willard (inventor of "Perky boxes") 28:162, 34:OJ21
Rashleigh, Philip (bio sketch, bibliography) 26:MB77–84
Ricketts, Louis Davidson (bio sketch) 34:LL8–9
Ricketts, Louis Davidson (bio sketch) 34:LL8
Robinson, George W. (becomes curator at Smithsonian) 28:2p
Roebling, Washington: "elite" collector 31:5p; and Ojuela mine bridge 34:OJ17
Romero, Miguel (memorialized by case of Mexican minerals at Tucson) 28:213
Rothschild, Randolph (major donor to Mineralogical Record) 35:82
Russell, Sir Arthur Edward Ian Montagu 26:MB79, 83, 93
Rust, Philip (major donor to Mineralogical Record) 35:82
Sams, Perkins: "elite" collector 31:5p; builds collection with help of Paul Desautels 31:8
PERU

Casapalca district, Huachurco Province, Lima Dept. 28: P17s, 28: P77–82g,h,m,p; 34: 249h
Castro Virreyacna, Huancavelica 28:205s
Castrovirreyca district, Castrovirreyca Province, Huancavelica Dept. 28:P89–94g,h,m,h, 29: 143s, 34: 118g
Caudalosa mine, Castrovirreyca district, Huan-
cavelca Dept. 28: P92–94g
Cerro de Pasco 27:284s
Cerro de Pasco district, Alcides Carrión Province, Pasco Dept. 28: P63–65g,h,m,p
Cerro Ullpa, Pampa Blanca, Chacoya Province, Huan-
cavelca Dept. 31:286s
Chacoya mine, Castrovirreyca Province, Huan-
cavelca Dept. 29:128s, 34:251s
Chirurucu mine, Dos de Mayo Province, Huan-
cuco Dept. 28: P17s, 28: P56h; 30: 44h, 30: 48s, 34:245h
Colquiriza district, Huarochirí Province, Lima Dept. 28: P73–74g,h
Colquiriza mine, Cerro de Pasco Province, Pasco Dept. 28: P65–66g
Espinol, Ica Dept. 29:129s, 34:251s
Estela mine, Julcani district, Huanuco Province. 28: P87
Flor del Perú #1 claim, Ulpac (Olllapac) Mountain, Castrovirreyca, Huancavelica Province (see also Rosario Mabel mine) 33: 86s, 34: 252h
Hercules mine area, Recuay/Aija Provinces, Asunción Province. 28: P62g
Hermínia mine, Julcani district, Huanuco Province. 28: P88
Huallanca district, Dos de Mayo Province, Huanuco Dept. 28: P47–56g,h,m,h
Huallapon mine, Pasto Bueno, Ancash Dept. 30: 45s
Huanzala mine, Huallanca district, Huanuco Dept. 29:129s, 30: 127s, 32: 57s, 34: 244–245h, 35: 277s
Huaron mines, Cercado de Pasco Province, Pasco Dept. 27:212s, 28: P67–70g,h,m,p; 34: 247–248h Huayllapon mine, Pasto Bueno Province, Ancash Dept. 28: P31g,m
Huyaytaca, Huancavelica Province 35:251s
Ica region 34: 28, 28: P17s, 28: P48s, 34: 251h
Julcani district, Angaraes Province, Huancavelica Province. 28: P77
Kothu mine, Julcani Province, Huanuco Province 34: 215s
Kotho mine, Julcani Province, Huanuco Province. 26: 497s, 73g,h,m; 34: 243h
La Magistral deposit, Pasto Bueno district, Ancash Dept. 28: P31g
“La Merced” (possibly Quiruvilca) 28: P23s
“La Oroya” (probably Quiruvilca) 28: P23s
“La Oyra” (possibly Casapalca or Quiruvilca) 29:143
La Victoria mine, Mundo Nuevo, La Libertad Dept. 28: P32h, 33–34
Laguna da Salinas, Arequipa Province 34:251s
Las Salinas, Paracas, Pisco, Ica Dept. 31:512s, 32:247s
Lily mine, Pisco Province, Ica Dept. 28: 205s, 30:217s, 31: No 3 (cover), 31: 520s, 34: 253–254h
Lucrecia mine, Julcani district, Huancavelica Dept. 28: P88
Manuelita mine, Morochoco district, Junín Dept. 28: P73s, 83, 34: 249h
Mercedes mine, Huallanca district, Huanuco Dept. 28: P17s, 28: P55–56g,h
Millotino mine, Huachurco Province, Lima Dept. 28: P64g,h
Milpo mine, Atacocha district, Pasco Dept. 34: 246–247h
Mimosa mine, Julcani district, Huancavelica Dept. 28: P88
Molletambo, Ica region 34: 251s
Morochoco district, Yauli Province, Junín Dept. 28: P17s, 28: P71–73g,h,m; 34: 91s, 34: 249h
Mundo Nuevo mine, Pasto Bueno, Ancash Dept. 34: 243s, 34: 278s
Mundo Nuevo-Tamboras area, Cachacchad dis-
tric, La Libertad Dept. 28: P31g, 34: 116
Ollapac near Pampa Blanca, Ica Province 34: 116s
Pachapaqui district, Bolognesi Province, Ancash Dept. 28: P17s, 28: P39–74g,h,m,p; 34: 243–244h Paucococha district, Huachurco Province, Lima Dept. 28: P17s, 28: P83–84g,h
Pampa Blanca, Ica Province 28: 66s, 31: 276s, 34: 116s
Pampa San José, Carolita, Huancay 32: 247s, 34: 251h
Paracas quarry near Huaytara 34: 251s
Pasto Bueno district, Pallaska Province, Ancash Dept. 28: P17s, 28: P29–36g,h,m,p; 29: 112s, 31: 116s, 34: 242–243h
Pucarrajaco mine, Pachapaqui/Huaznal 34: 244h
Quiquiriva district, Santiago de Choco Province, La Libertad Dept. 28: P17, 20–28g,h,m,p; 29: 143s, 34: 241–242h
Raura district, Cajatambo Province, Lima Dept. 28: P17s, 28: P37–39g,h,m; 34: 243h
Reliquia mine, Huallanca district, Huanuco Dept. 28: P48h
Rosario Mabel mine, Mapa Blanca, Castrovirreyca, Huancavelica Province (renamed “Flor de Perú II claim” in 1999) 28:64s, 28:136s, 28: P18s, 34: 251–
252h
Sacramento mine, Julcani district, Huanuco Province. 28: P88
San Cristobal district, Yauli Province, Junín Dept. 28: P17s, 28: P77–78g,h,m
San Genaro mine, Castrovirreyca district, Huancavelica Province. 28: P17s, 28: P92–93g; 31: 286s, 32: 57s, 34: 250h
Santa Rita mine, Morococha district, Lima Dept. 28: P17s, 28: P82–83h
Simos 30: 205s
Tentadora mine, Julcani district, Huanuco Province. 28: P88
Uchucachuca mine, Oyon Province, Lima Dept. 28: P17s, 28: P58–61g,h,m,p; 32: 57s, 32: No. 5 (cover), 32: 497s, 31: 118s, 34: 245–246h, 35: 153s
Ulpac (Olllapac) Mountain, Castrovirreyca, Huancu-
evica 34: 253h
Yauricocha district, Yauyos Province, Lima Dept. 28: P85–86g, 29: 143s

PETALITE

Afghanistan
Nuristan: transparent 6.8-cm crystal 31:63p
Paper: incomplete fist-sized crystals 28:212h;
colorless, partially corrodied crystals to 23 cm 29: 133n, 135q; partial crystals to 15 cm 33: 274n
Mozambique
Alto Ligonha area 31(484)
Sweden
Akberg mine, Skellefte orefield 27(209)

United States
Maine
Mount Maine quarry near Paris: cleavages to 20 cm 26: 479h

PETERSBAYLISSITE

The Mineralogical Record Index—Volumes 26–35
GENERAL INDEX

PETRSENITE-(Ce)  
Canada  
Quebec  
Mont Saint-Hilaire: new species 26:491n; microcrystals coated by calcioburbankite 29:401p; 5-cm sprays of synchisite pseudomorphs after petersenite 30:216n

PETZITE  
United States  
Colorado  
Rex mine, Boulder County: massive with galena 30:49
Uzbekistan  
Kochubkul 26(494)

PEZZOTTAITE  
Madagascar  
Ambatovitiza: gemmy pink tabular crystals to 2.5 cm on matrix 35:146n; 35r(157)  
Sakavalana pegmatite, Mandsororo, Fianarantsoa: formal species description 35:369–378g,h,m,p,q

PHANTOMS  
See Inclusions and Phantoms

PHARMACOLITE  
Spain  
Mazarrón–Águilas district, Murcia: doubtful occurrence 34:328–329

PHARMACOSIDERITE  
Bolivia  
Cerro Rico de Potosí, Potosí: cubic microcrystals with jarosite 30:23
England  
Devon  
Hemerdon Ball mine, Sparkwell: microcrystals with scorodite 32:249
Italy  
Liguria  
Val Graveglia: small yellow crystals 32:369
Mexico  
Durango  
Ojuela mine, Mapimí: cubic crystals to 6 mm 34:0380
Spain  
United States  
Nevada  
Willard mine, Pershing County: crystals to 0.1 mm on dunfermite 32:301
Utah  
Big Indian mine near La Sal, San Juan County: microcrystals 26:486

PHENAKITE  
Brazil  
Espírito Santo  
Mimoso do Sul mine: rhombohedral crystals to several cm 26:490n
Minas Gerais  
Cariri: 1-cm crystals with complex terminations 26:490n  
Santa Maria de Itabira: microcrystals with microcline 26:489
England  
Cornwall  
St. Just: “white tourmaline” in Sowerby’s British Mineralogy 26:MB93d,h
Madagascar  
Anjananohoina: gemmy crystals on schorl, some very large 26:580p, 581n  
Antsirabe: colorless, lustroous floaters crystals to 2.5 cm 28:209n  
Locality not specified: 5-cm crystal on matrix 34:86n; small single crystals 35:157n

Mozambique  
Locality not specified: two 10 x 10-cm crystals 35:157n
Namibia  
Klein Spitzkopje northeast of Swakopmund 26:TX(16)
Pakistan  
Apaligum: blue crystals 26:497
Russia  
Ilmenegbirge 26:MB110d  
Takajova district, Ural Mountains: specimens produced since 1830 31:183
Spain  
A Franqueira, Pontevedra: massive with scorodite to 3 cm 28:499p, 500
Sweden  
Selå Sivelberget near Kramfors: small crystals with altered beryl 27:208
United States  
Colorado  
Mt. Antero: pale yellow-orange thumbnail-sized loose crystals 26:582n  
Nevada  
Zapot pegmatite, Mineral County: one euhedral 1.2-cm crystal 30:283p, 285
Zambia  
Kitwe: single crystals to 15 cm with black tourmaline 34:186n

PHILIPSBORNITE  
Australia  
New South Wales  
Kintore opencut, Broken Hill 27(375)

PHILLIPSITE  
Italy  
Campania  
Mt. Somma/Vesuvius 27(461)

PHILOLITHITE  
Sweden  
Långban, Värmland: abstract of new species description 28:55c,g,q; full article 29:210–260c,d,g,p,q

PHLOGOPITE  
Afghanistan  
Kokscha Valley, Badakhshan: fluorescent crystals to 2.5 cm on marble 32:253n
Canada  
Ontario  
Earle Occurrence, Wilberforce: sharp yellow-brown crystals to 2 cm 30:44n, 50p
France  
Trimouns quarry, Luzenac, Ariège: masses, small crystals 35:241

PHOSGENTITE  
Russia  
Dalnegorsk, Primorskiy Kraj 32(24)
Spain  
A Franqueira, Pontevedra: component of phlogopite schist hosting emerald 28:500

PHOENICOCROITE  
Russia  
Berezovsky, Ural: type locality (described in 1839) 32:46

PHOSPHATE MINERALOGY  
Mazarrón–Águilas district, Murcia, Spain 34:315–334
Ross Hannibal mine, Lawrence County, South Dakota 30:199–206
Sapucaia pegmatite, Minas Gerais, Brazil 30:347–360
Willard mine, Pershing County, Nevada 32:297–303

PHOSPHOELLENBERGITE  
Italy  
Piemonte  
Val Varata: elongated bluish crystals in pyrite, type locality 34:201

PHOSPHOFIBRITE  
Germany  
Baden-Württemberg  

PHOSPHONYLLITE  
Bolivia  
Cerro Rico de Potosí, Potosí: survey of occurrence 30:23–30c,d,h,p,q; 3.7-cm crystal on matrix 32:462p  
Kraus vein, Unificada mine, Cerro Rico de Potosí: 3-cm specimen 30:314p  
Potosí: loose twinned crystals to 2.5 cm on marble 27:217n; world’s best specimen, once owned by D. Wilber 28:213, 215p, 30:No. 1 (cover); thumbnails to 1.5 cm, one matrix miniature 29:213n; 5 x 5-cm twin 34:284

PHOSPHOSIDERITE  
Brazil  
Minas Gerais  
Sapucaia pegmatite, Galiléia: lavender veinlets, crystals in phosphate assemblage 30:355p, 359

Mozambique  
Alto Ligonha area 31(484)

PHOSPHOVANADYLITE  
United States  
Idaho  
Enoch Valley mine, Soda Springs: new specimens, with sincockite 30:206

PHOSPHURANYLITE  
Brazil  
Minas Gerais  
Sapucaia pegmatite, Galiléia 30(359)

PHOTOGRAPHY OF SPECIMENS  
Adobe Photoshop program + Epson scanner for specimen snapshots 34:211–212  
Equipment, process, for transferring photos into Photo Atlas of Minerals CD 30:63
Photographic process for rhodochrosites of Sweet Home Issue 29:134
Photographing micromounts 33:249

Photomitography 33:338–339
Photomicrography and the problem of dust 32:238
Techniques of photomacrography 31:520
Werner Lieber Photo Contest and Traveling Museum Exhibit, contest rules 30:69

**FICKERINGITE**

**Bolivia**
Cerro Rico de Potosí, Potosí: fibrous masses, post-mining
30:30
El Desierto mine, Potosí 34:(304)

**United States**
Tennessee
Alum Cave Bluff, Sevier County: mangananof, fibrous masses 31:172

**FICROPHARMACOLITE**

**France**
Ste.-Marie-aux-Mines, Alsace: with fluckite
28:65

**South Africa**
TRANSVAAL
Krusrivier mine: rosettes to 4 mm 27:425, 427p

**United States**
Nevada
Getchell mine, Humboldt County: sprays of white silky crystals 26:482n

**PIEMONTITE**

**Italy**
Liguria
Val Graveglia: prismatic microcrystals, sprays 32:372

**Russia**
Dodo deposit, Subpolar Urals: prisms to 0.6 mm in one cleft 30:437

**PITIGLIANOITE**

**Italy**
Tuscany
Grosseto: new species, single specimen 26:495n

**PLAGIOCLASE SERIES**

See also end-members Albite and Anorthite

**Russia**
Kamchatka Peninsula: sharp black crystals to 4 cm in lava 26:98

**PLAGIONITE**

**Bolivia**
Oruro: 7.5-cm specimen with franckeite, boulangiterite 33:221p

**PLANERITE**

Relations to turquoise 28:53q

**Spain**
Bruguers, Barcelona: fracture fillings 26:146n

**United States**
Alabama
Erin, Clay County: greenish subhedral with wavelite 28:53
Arkansas
Four localities for planerite and turquoise 28:53
Georgia
Brewer mine, Cedartown: veins with distinct green crystals 28:53

**PLATINUM**

**Colombia**
Choco gold field 26:(222)

**Russia**
Konder, near Nelkan, Khabarovskiy Krai: sharp 5-mm twinned crystals 26:226p, 228n; crystals in aggregates to 1 cm 26:493n, 26:523p; sharp 1-cm crystal 26:575n; mining and marketing 27:64–65n; loose crystals to 1.2 cm 27:221n; crystals determined to be Pt-Fe alloy, some gold-coated 28:100q, 102–103q,p; 1-cm crystal group 31:25p; nuggets, cubic crystals to 1.75 cm 35:155n

**PLATTNERITE**

**England**
Somerset
Higher Pitts mine, near Priddy: replacing mendipite 27:255
Merehead quarry, Mendip Hills: masses to 1 cm, 5-mm crystal groups 27:255
Wesley mine, Mendip Hills 27:(255)

**Mexico**
Durango
Ojuela mine, Mapimí: black acicular crystals to 5 mm coating matrix 34:OJ80–81

**United States**
New Mexico
Mex-Tex mine, Bingham: 1-mm prismatic crystals in sprays 30:341, 343p

Utah
Hidden Treasure mine, Ophir, Tooele County 26:(486)

**PLUMBOMICROLITE**

**Australia**
New South Wales
Kintore opencut, Broken Hill 27:(375)

**Spain**
La Montañesa mine, Navalagamella, Madrid: blue crusts with wulfenite 31:286n

**United States**
Nevada
Gold Quarry mine, Eureka County: spheres 341, 343p
New Mexico
Mex-Tex mine, Bingham: glassy blue botryoidal coatings 30:341, 343p

**PLUMBOSIOAROSITE**

**HUNGARY**
Rudabanya: pale brown tabular crystals to 1 mm 32:125

**Mexico**
Chihuahua
Erupción mine, Los Lamentos district: large yellow-brown masses 34:L.L24
Durango
Ojuela mine, Mapimí: pulverulent masses 34:OJ81

**Russia**
Brenner mine, Dalnegorsk, Primorskiy Kraj: component of gossan 32:24

**PLUMBOSILicate**

**MOZAMBIQUE**
Alto Ligonha area 31:(484)

**Pakistani**
Apaligun, Baltistan, Northern Areas: transparent colorless 2.7-cm crystal 33:265p
Shengus area, Gilgit division: 3-cm trapezohedrons 26:497n; transparent, complete crystals in thumbnail size 30:224n

**Sweden**
Akerberg mine, Skellefte orefield 27:(209)
Utö Island, Stockholm 27:(208)

**United States**
Maine
Bennett quarry, Buckfield: large part-gemmy reddish orange mass 26:479n

**POLYBASITE**

**Canada**
British Columbia
Silvana mine, Sandon: lustrous black microcrystals 27:437p

**Yukon Territory**
Husky mine near Mayo: sharp, iridescent rosettes to 3.5 cm 27:214p, 216n; fine thumbnail displayed at Tucson 30:239; iridescent rosettes to 3 cm 34:89p, 91n

**Hungary**
Rudabanya: hexagonal tabular crystals to 0.5 mm 32:125

**Kazakhstan**
Rudny: sharp thumbnail-sized metallic black crystals 30:41n, 50p

**Mexico**
Guanajuato
Guanajuato: pseudomorphs after pyrargyrite to 1.5 cm 26:496n, 30:(85)
Reyes mine, Guanajuato: chalcoprite-coated crystals 26:496n
Sirena mine, Guanajuato: sharp hexagonal plates, some with chalcoprite-coated acanthite 30:217n

**Zacatecas**
Fresnillo: 2.1-cm specimen 33:184p; outstanding specimens, some with stephanite 34:L.L47, 48p
Proana mine, Fresnillo: fine thumbnail and miniature specimens 35:263n

**Norway**
Kongsberg mines: microcrystals, 1-cm plate 32:197

**Peru**
Castrovirreyna district, Huancavelica Dept.: collector-quality specimens 28:58p
San Genaro mine, Castrovirreyna, Huancavelica: hexagonal platy crystals 34:250

**Russia**
Nikolaevskiy mine, Dalnegorsk, Primorskiy Kraj: microcrystals 32:24

**POLDERVAARTITE**

**South Africa**
Cape Province
N’Chwaning mine, Kuruman: translucent orange-pink spherical aggregates to 1 cm, opaque tan crystals 33:265p, 273n; fine specimen 34:188p; crystals to 1.5 cm, some gemmy peach-colored 34:282n
Wessels mine, Kalahari field, Cape Province: 2-cm crystal sprays 27:215p, 221n; white crystals to 5 mm 28:65n; 2-cm specimen 33:186p

**POLLYCITE**

**Afghanistan**
Locality not specified: fine large crystal on matrix 34:36n

**Mozambique**
Alto Ligonha area 31:(484)

**Pakistan**
Apaligun, Baltistan, Northern Areas: transparent colorless 2.7-cm crystal 33:265p
Shengus area, Gilgit division: 3-cm trapezohedrons 26:497n; transparent, complete crystals in thumbnail size 30:224n

**Sweden**
Akerberg mine, Skellefte orefield 27:(209)
Utö Island, Stockholm 27:(208)

**United States**
Maine
Bennett quarry, Buckfield: large part-gemmy reddish orange mass 26:479n

**POLYBASITE**

**Canada**
British Columbia
Silvana mine, Sandon: lustrous black microcrystals 27:437p

**Yukon Territory**
Husky mine near Mayo: sharp, iridescent rosettes to 3.5 cm 27:214p, 216n; fine thumbnail displayed at Tucson 30:239; iridescent rosettes to 3 cm 34:89p, 91n

**Hungary**
Rudabanya: hexagonal tabular crystals to 0.5 mm 32:125

**Kazakhstan**
Rudny: sharp thumbnail-sized metallic black crystals 30:41n, 50p

**Mexico**
Guanajuato
Guanajuato: pseudomorphs after pyrargyrite to 1.5 cm 26:496n, 30:(85)
Reyes mine, Guanajuato: chalcoprite-coated crystals 26:496n
Sirena mine, Guanajuato: sharp hexagonal plates, some with chalcoprite-coated acanthite 30:217n

**Zacatecas**
Fresnillo: 2.1-cm specimen 33:184p; outstanding specimens, some with stephanite 34:L.L47, 48p
Proana mine, Fresnillo: fine thumbnail and miniature specimens 35:263n

**Norway**
Kongsberg mines: microcrystals, 1-cm plate 32:197

**Peru**
Castrovirreyna district, Huancavelica Dept.: collector-quality specimens 28:58p
San Genaro mine, Castrovirreyna, Huancavelica: hexagonal platy crystals 34:250

**Russia**
Nikolaevskiy mine, Dalnegorsk, Primorskiy Kraj: microcrystals 32:24
MINERALS AND MINING

POLYDYMITE

Australia

Tasmania

Lord Bracey mine: with pentlandite, identity questionable 33:329

POLYHALITE

United States

New Mexico

Sooma 29:493

Portugal

Polydymite 33:347

PREHNITE

Antarctica

Prehnite Hill, Litell Rocks, Rennick Glacier, N. Victoria Land: pale green botryoidal crystals with quartz 28:137n

Canada

Quebec

Jeffrey quarry, Asbestos: clusters of pale yellow crystals 32:487n; cream-colored pseudocubic crystals to 1.3 cm 35:127

France

La Combe de la Selle, Iseré: crystals to 5 cm, “helmet” and “bivalve” habits, some included by actinolite 32:228–231d.p

German

Harz Mountains

Radautal near Bad Harzburg: groups of pale green 1-cm crystals 30:95

India

Ahmadnagar, Maharashtra: coatings on and pseudomorphs after calcite 26:152n

Morocco

Bouarfia, between Erachidia and Oujoa: coarse crystals in fans to 6 cm 27:212n; pale green rounded aggregates and coxcombs 27:456n

Namibia

Brandberg (wrongly put in South Africa): apple-green with quartz 28:137n

Norway

Kongsberg mines: microcrystals, rosettes to 4 cm 32:197, 200p, 204

South Africa

Cape Province

N’Chwaning mine: tiny prismatic pinkish orange crystals 32:251p, 252n

The Mineralogical Record Index—Volumes 26–35

99
Spain

Castile, quarry, La Cabrera, Madrid: large botryoidal plates 31:286n
Cerro de las Cabezas, Carchalejo, Jaén: pale green hemispheres to 3.5 cm 34:281n
La Cabrera, near Madrid: plates of spherical aggregates to 10 x 10 cm 31:277n; green plates to 15 cm with calcite crystals 31:286n
United States

Massachusetts

Lane quarry, Westfield: masses, plates with coating surfaces 30:470–471n
New Jersey

Millington quarry, Somerset County: lustrous balls to 3 cm 26:482n; 26:(578), 27:(147); pale green hemispheres to 1 cm 28:132n; masses, “floaters” with datolite 31:490p, 41n
Paterson: large sea-green plates hosting natroline sprays 28:412n
Utah

Bingham 26:(486)

PREPARATION AND CLEANING OF SPECIMENS

Acid treatment (failed) to remove calcite from inesite 32:338
“Alma King” and “Rose” rhodochrosite specimens prepared 29:SH37
Ammonium hydroxyde treatment of Bolivian sulfur specimens 34:304–305
Apatite in calcite from Ontario: labels admit preparation “with glue and Vina” 30:49
Collector’s Edge preparation and cleaning lab, Golden, Colorado 29:SH73–77
Bleach treatment of Moroccan anglesite crystals turns surfaces red-brown 32:338
Boleite, pseudoboleite, cumeneite crystals on stabilized matrix 29:59p, 62
Crocoite, Australia, removing gibbsite from 27:68
Elbaite from Pedernera mine, Brazil destroyed by blasting, expertly repaired 33:275
Goethite pseudomorphs after pyrite, Utah, cleaning with air gun 27:59
Orpiment, Twin Creeks mine, Nevada, cleaning, removal of coatings 31:322
Static electricity on comb removes hairs from acicular sprays 32:404–405

PRESERVATION AND CURATION OF SPECIMENS

Decay of sulfides in collection drawers 31:520
Labels separated from specimens, Columbia School of Mines collection 32:336
Laumontite from India: recommended method of retarding dehydration 34:51
Orpiment from Nevada: concerns about stability addressed 31:321–322
Removing sooty black coatings from old chalcocite specimens 32:446
Soluble salts from Alum Cave Bluff, Tennessee:
methods of preservation 31:174
Suggestions for systematically numbering specimens in a collection 31:520
Wulfenite (79 mine) accidentally plastic-coated in preservation effort 32:338

PRINGLEITE

Canada

New Brunswick
Salt Springs potash deposit, Sussex 26:(492)

PROBERITZ

United States

California
Bilite mine, Death Valley: fibrous masses with colemanite 27:35ff.
Boraxo pit mine, Death Valley: masses of clay-included blades 27:40

PROSPORITE

United States

Colorado
St. Peters Dome 30:(288)
Nevada
Zapot pegmatite, Mineral County: purple to white masses to 10 cm 30:288, 291
Virginia
Morefield pegmatite, Amelia: large masses 26:554g

PROVOSTITE

Chile
Chañarillo: Terry Zemenits story about buying specimens in Chile 30:383–385, 392; 8.6-cm crystal 33:220p; 5 x 10-cm Vaux specimen displayed 34:284
Dolores mine, Chañarillo: 7-cm crystal group 28:454p; 10 x 12 cm group 29:133

Czech Republic

Svorost mine, Joachimstal, Bohemia: 2.7-cm crystal group 33:184p

France

Ste.-Marie-aux-Mines, Alsace: 1.3-cm crystal on ankerite 28:65

Germany

Obersachsen
Freiberg: cruciform 3.6-cm specimen 30:315p

Hungary

Rudabanya: crystals to 2 mm with galena, barite 32:123p, 125–126

Morocco

Imine mine, Sharqo region: massive hand specimens with silver wires 29:129, 132n; small bright crystals 34:186n; crystals to 1 cm in loose groups 35:154n, 157n

Peru

Millington mine, Lima Dep.: sharp, brilliant microcrystals with quartz 28:P84
San Genaro mine, Huancavelica: 1-cm crystals once thought pyrrhotite 34:250
Uchucchacua mine, Lima Dep.: good specimens appear in mid-1980’s 28:PS59; lustrous red scalenohedrons to 1.5 cm 35:153n

Russia

First Soviet mine, Dalnegorsk, Primorsky Krai 32:(24)

United States

Montana
Butte, Silver Bow County: specks in silver ores 33:57

PSEUDOBOLITE

History of study of the “Boleite group” of minerals 29:26–33

Mexico

Baja California

PSEUDOBROOKITE

United States

Utah
Topaz Mountain Rhylolate (several collecting sites) 26:17258
Topaz Valley: lithophyll 26:126, 128q

PSEUDOGANDREFITE

United States

Arizona
Grand Reef mine, Klondyke, Graham County: with other rare lead fluorides 27:296–297d,p4

PSEUDOMALACHITE

Chemistry of the secondary copper phosphates and silicates 28:52

Portugal

Estremoz: with libethenite 26:497
Vilaviejoa, Estremoz: bluish green crusts of microcrystals 29:216n

United States

Nevada
Gold Quarry mine, Eureka County: spheres to 2 mm 26:462
New Mexico
Mex-Tex mine, Bingham: glassy spheres, crystals to less than 1 mm 30:341
Snake Pit mine, Hamburgo district, Socorro County 26:(483)

Zaire

Kipushi mine, Shaba: banded crusts and translucent nodules 26:185

PSEUDOMORPHS

Pseudomorphism in Minerals exhibit installed at Carnegie Museum 27:452–453
Ed. Swoboda pseudomorph collection 28:456, 30:37
Reinhard J. Blum pseudomorph collection, Yale/Peabody museum 28:61–62, 30:94
Acantihite after pyrrhotite, Rayas mine, Guanajuato, Mexico 26:582n
Actinolite after unknown, Owens Valley, California 298:135p, 137n
Amphiboite after pyroxene (“uraltite”), Green Monster Mountain, Prince of Wales Island, Alaska 35:393p; Calumet mine, Salida, Colorado 35:393
Anatase after titanite, Corral Canyon, Churchill County, Nevada 26:482n
Andradite after rhodochrosite (?), N’Chwaning mine, South Africa 28:134p, 136n
Anglesite after galena, Señora claim, Castle Dome district, Arizona 29:450
Arseniosiderite after scorodite, Ojuela mine, Mapimi, Durango, Mexico 34:O355
Arseniosiderite after siderite, Mazarrón–Águilas district, Murcia, Spain 34:320
Barite after celestine, Illinois-Kentucky fluorite district 28:26, 28p
Barite after parasilomite, Minerva #1 mine, Cave-in-Rock, Illinois 28:445–446
Barite after witherite, Illinois-Kentucky fluorite district 28:26, 28p
Bavenite after beryl, Himalaya mine, San Diego County, California 33:396
Bertrandite after fluorite, Zabotye, Russia (?) 28:136n
Bertrandite and euclase after beryl, Sels Vitberget quarry, Sweden 27:208n
Bindheimite after boulangerite, Rudabanya, Hungary 32:109
Bindheimite after lead sulfosalts, Serra vezza quarries, Italy 27:50
Bineisite after serandite, Saint-Amable sill, Quebec 29:95
Bismutite after quartz or beryl, Alto Ligonha, Mozambique 31:471
Bornite after chalcocite, Flambeau mine, Lady smith, Wisconsin 26:219n, 30:114p; Badger mine, Butte, Montana 33:45
Calcite after axinite, Bor pit, Dalnegorsk, Primorsky Krai, Russia 32:12
Calcite after danburite, Bor pit, Dalnegorsk, Primorsky Krai, Russia 32:12
Calcite after galbanite, Camp Verde, Yavapai County, Arizona 26:218n, 26:476n, 26:576n, 577p, 28:420
Calcite after gypsum, Yavapai County, Arizona 26:575n
Calcite after shortite, Mt. St.-Hilaire, Quebec 30:216n
GENERAL INDEX

Calcite after witherite, Nentsberry Hags mine, Northumberland, England 27:217n
Calcite and fluorite after apophyllite, Mahad, Maharashtra, India 34:36, 46, 73
Carrollite after chalcopyrite, Kamfundwa mine, Shinkolobwe, Zaire 32:252n
Caryopilite after calcite, Val Gragevalia, Liguria, Italy 32:359p, 361
Catapleiite after eudialyte, Saint-Amable sill, Quebec 29:95
Catapleiite after fluorite, Mont St.-Hilaire, Quebec 35:250n
Cerussite after anglesite, Touissit mine, Oujda, Morocco 27:212n; San Valentin mine, La Unión-Cartagena, Spain 28:409n; Ojuela mine, Durango, Mexico 34:306n
Cerussite after desdolite, Nakhlak mine, Anarak, Iran 32:253n
Chalcocite after covellite, Leonard mine, Butte, Montana 33:45
Chalcocite after copper, Rudabánya, Hungary 32:117
Chalcopyrite after calcite, Goethite after siderite, Qui Buc #1 mine, Florissant, Colorado 26:179p, 493p, 30:65–66
Cuprite after scheelite ("reinite"), Uganda 32:495n
Galena after water silver (\(\text{Ag}_2\)S), Beriozovsky, Russia 26:142
Goethite after calcite, vanadinite, Abenab West mine, Namibia 28:123
Goethite after gypsum (casts), Laurium Attika, Greece 26:59n
Goethite after hematite, Onganja mine, Namibia 27:93p
Goethite after pyrite, Kipushi mine, Zaire 26:182; Pelican Point, Utah 27:59n; Halls Gap, Kentuck 28:376; Mapimi district, Durango, Mexico 34:316p; Goethite after charoite, Prince of Wales Island, Alaska 35:398–399p
Goethite after siderite, Qui Buc #1 mine, Florissant, Colorado 28:203p, 204; Pacajake mine, Potosí, Bolivia 34:350
Gold after pyrite (\(\text{Au}\)), Russia 28:420
Gold after tellurides, Colorado telluride mines 35:62
Hematite after ilvaite, Second Soviet mine, Dal’negorsk, Russia 32:21
Hematite after magnetite ("martite"), Cerro de Mercado, Durango, Mexico 26:496n; Payun Matru volcano, Mendoza, Argentina 33:264n; Nueva Vizcaya, Badajoz, Spain 33:498
Hematite after marcasite, White Desert, Egypt 27:220n, 28:64n, 28:209n
Hematite after pyrite, Trinums quarry, Ariège, France 35:237
Hematite/topaz after garnet, Pismire Wash, Utah 26:486n
Heterosite after triphylite, Mount Marie quarry, Paris, Maine 26:479n; Sapucaia pegmatite, Minas Gerais, Brazil 30:355p, 356
Hexahydrite after epsomite, Alum Cave Bluff, Tennessee 31:170–171
Huyite after desdolite, Goethite Gold quarry mine, Nevada 26:458, 460p
Homohydrated pseudomorphs 29:98
Hydrocerussite after cerussite, Tsumeb, Namibia 33:97
Jambornite after millerite, Halls Gap, Kentucky 28:374p, 376
Julgoldite after mordenite, Jalgaon, Maharashtra, India 34:50, 72
Kidwellite after dufrenite, Fault Line prospect, Tennessee 26:199n, 219n
Lepidolite after tourmaline, Jacona mine, Minas Gerais, Brazil 30:40n
Linarite after galena, Blanchard mine, New Mexico 28:54
Magneteite after hematite, Malmberget mine, Sweden 26:498n
Malachite after azurite, Kipushi mine, Zaire 26:225p; Mulungwishi, Zaire 26:225n; Tsumeb, Namibia 26:225n; Onganja mine, Namibia 27:96; Kerrouchen, Morocco 31:99n, 34:91n; Rudabánya, Hungary 32:108; Ojuela mine, Mapimi, Durango, Mexico 34:307
Malachite after chalcopyrite, Illinois-Kentucky fluorspar district 28:39; Halls Gap, Kentucky 28:376
Malachite after cuprite, Gumeshevsk mine, Ural, Russia 28:63; Rudabánya, Hungary 32:118, 124, 33:260; Chessy, Lyon, France 35:148n
Malachite after linarite, Blanchard mine, New Mexico 28:54
Manganese oxides after helvite, Navegador mine, Minas Gerais, Brazil 35:144n
Manganonatalante after simpsonite, Alto dos Fumas pegmatite, Rio Grande do Norte, Brazil 31:180
Marcasite after argentite, Schemnitz, Hungary 28:63
Natrolite after nepheline, Saint-Amable sill, Quebec 29:304
Natrolite after sodalite, Saint-Amable sill, Quebec 29:108
Neotocite after alabandite, Val Gragevalia, Liguria, Italy 32:369
Opal after glauberite, White Cliffs, New South Wales, Australia 26:143
Orthoclase (adularia) casts after eosphorite, Diví, Minas Gerais, Brazil 26:490n
Orthoclase after topaz, Schneeckenstein, Ober-sachsen, Germany 26:784z
Paratacamite after anglesite, Boleo, Baja California, Mexico 29:61p
Phosphate species after mimetite, Kintore opencut, Broken Hill, Australia 27:375
Polybasite after pyrgyrite, Guanajuato, Mexico 26:496n, 30:217
Powellite after molybdenite, Jardina ser 1 mine, Inca de Oro, Chile 28:205n, 209p, 391p, 392
Prehnite after calcite, Ahmadnagan, Maharashtra, India 26:152n; Malad, India 26:495n
Prehnite after laumontite (casts) Malad, Maharashtra, India 26:152n, 26:495n, 34:51, 34:56p, 34:70
Pyrite after chalcopyrite, Pachapaqui district, Ancash Dept., Peru 24:234–244
Pyrite after enargite, Quiruvillas, La Libertad, Peru 28:264n; Butte, Montana 33:54
Pyrite after pyrrhotite, Huanzala mine, Huanuco, Peru 28:853n, 34:244; Nikolaevsky mine, Dal’negorsk, Primorsky Kraj, Russia 32:24
Pyrite and galena after pyrrhotite, Herja mine, Romania 28:137n
Pyrochline after manganese, Sandur, Karnataka, India 34:149
Pyromorphite after galena, Schwarzwald, Germany 28:63
Quartz after anhydrite, Agua Fria River, Arizona 26:476n, 477p; Millington quarry, Somerset County, New Jersey 26:482n; New River, Maricopa County, Arizona 32:245n, 246p
Quartz after apophyllite, Antelope Flats, Idaho 33:83n
Quartz after barite, Hot Creek Valley, Nevada (epimorphs) 27:146n; Casapalca, Lima, Peru (casts) 28:211p; Montana 33:59
Quartz after calcite, Engineer mine, Tagish Lake, British Columbia 27:269n; Droukovou mine, Lak, Bulgaria 32:497n
Quartz after danburite, Bor pit, Dal’negorsk, Primorsky Kraj, Russia 32:26
Quartz after enargite, El Indio, Coquimbo, Chile 26:492n
Quartz after fluorite, Sweet Home mine, Alma, Colorado 29:174p
Quartz after wulfenite, hemimorphite, vanadinite, Finch mine, Arizona 26:446p, 448
Quartz after wulfenite, Ojuela mine, Mapimi, Durango, Mexico 34:308
Quartz (chalcedony) after melanophilgite, several California localities 33:237–242p
Reichenbachite after kipushte, Kipushi mine, Zaire 26:186n, 188p
Rhodochrosite after barite (\(\text{Ca}_3\text{CO}_3\)) casts, Huerhu district, Pasco, Washington 35:248
Rhodochrosite after eudialyte, St.-Hilaire, Quebec 32:248n
Roznente after melanterite, Alum Cave Bluff, Tennessee 33:172
Serpentine after forsterite, Maxwell quarry, Wakefield, Quebec 30:471n
Sidellite after calcite (epimorph), Turt mine, Bajta, Baja California, Mexico 29:80n
Sidellite after fluorite (epimorph), Virtuous Lady mine, Devon, England 31:50p, 35:263
Sidellite after unknown, Llallagua, Bolivia 26:146
Silver after pyrite and galena, Butte, Silver Bow County, Montana 33:62
GENERAL INDEX

Smectite after fersiriusite, Shirley Ann claim, Inyo County, California 32:397, 398p
Smithsonite (cuprian) after cerussite, Tsumeb, Namibia 28:451p
Sphalerite after wurtzite, Kipushi mine, Zaire 26:191; Butte, Montana 33:63
Stibiconite after stibnite, China 26(142), 30:53n
Gold Quarz mine, Nevada 26:464; Lac Nicolet mine, Quebec 27:129p; Rudabánya, Hungary 32:155; Wuling mine, Jiangxi, China 33:143
Stilpnomelane after garnet, Puiva deposit, Subpolar Urals, Russia 30:464
Synchiste after petersonite, Mt. St.-Hilaire, Quebec 30:216n
Talc after dolomite, Respina mines, León, Spain 28:409n
Talc after quartz, Johanneszeche, Göpfersgrün, Bavaria, Germany 30:96p
Tennantite after enargite, Jumilac mine, Huanca-velica, Peru 31:276n, 31:511n, 34:251; Butte, Montana 33:54, 63p
Tetrahedrite after enargite, Quinivilca, La Libertad, Peru 28:272n
Topaz after orthoclase, Saubach, Vogtland, Upper Saxony, Germany 30:96p
Topaz and quartz after microcline, Sawtooth Range, Idaho 26:724z
Turquoise after glauberite, Mina, Nevada 28:451p Vaquelinite after cerussite, Kipushi mine, Zaire 26:188n
Wavelite after fluellite (epimorphs), Willard mine, Montana 26:188n
Wavelite after fluellite (epimorphs), Willard mine, Pershing County, Nevada 32:302

“PSILOMELANE”

Massive mixture of various manganese oxides

Mexico
Durango
Ojuela mine, Mapimí: botryoidal crusts, masses 34:OJ81
Russia
Dodo deposit, Subpolar Urals: masses, dendrites on quartz and calcite 30:439
United States
New Mexico
Mex-Tex mine, Bingham: dendrites, crusts on limestone in area 30:341

PUBLICATIONS

See also Book Reviews
Paper vs. electronic media as archives of information 30:330
Asfeld, Friedrich: bibliography of published works 34:228–233
American Geological Literature 1669–1850, Robert and Margaret Hazen. 1980 26:MB11
Australian Journal of Mineralogy (new magazine announced) 26:514
Biblio (new magazine for book collectors announced) 27:322
Birth and Development of the Geological Sciences. Frank Dawson Adams. 1938 26:MB9, 49
Book of the Pearl, The, George F. Kunz. 1908 26:MB10, 159
British Micromount Society papers on micro-mounting 32:237
Collector’s Guide to Antique Miners’ Candlesticks 26:230
Diamonds and Precious Stones. Harry Emanuel. 1865 26:MB159
ExtraLapis English series (sold through Mineraloggical Record) 34:293, 35:249, 35:256
Field Guide to Rocks and Minerals, A. Fred Pough. 31:7
Fifty-year History of the Tucson Show, A. Bob Jones. 2004. Publication pending 34:213; sold at 2004 Tucson Show 35:249
French Creek article by Sam Gordon (1916) in American Mineralogist 26:156
Gem and Crystal Treasures. Peter Bancroft. 1984 28:213
Gemstones of Russia and Adjoining States. J.P. Samsonov. 1993 26:146
Geology and Mineralogy of Mount St. Hilaire, Quebec. 1973. 32:237
Gill’s Index to Journals, Articles and Books Relating to Gems and Jewelry, Joseph O. Gill. 1878 26:MB11, 159
International Directory of Calcite Collectors planned—listings solicited. 30:246
La Régle Minérale (new French mineral magazine) 27:83
Letters to Kunz, Lawrence Conklin. 26:MB20
Meisterwerke Sachsicher Minerale, E. Equit 26:146
“Micromounting for Everyone,” 16-page pamphlet. 1963, 32:237
Mineral Digest, history of 26:MB135–142, 35:74
Mineral Kingdom, The, Paul Desautels. 1968 26:MB18
Mineral postcards available from MB159
Mineralogy of Pennsylvania. Samuel Gordon. 1922 26:MB12
Mineralogy of Scotland. A. Forster Heddle. 1901 26:MB12
Minerals of California, update plans announced. 30:410
Minerals of Cornwall and Devon, P.G. Embrey and R.F. Symes. 1987 26:230, 26:MB93
Photo Atlas of Minerals CD. 30:63

Pierre Precieuses, Les. Jean Escard. 1914 26:MB159
“Preparation of Micromounts, The,” L.C. Wills, republished by Baltimore Micromount Society 32:237
Present Views on Some Aspects of the Geology of Cornwall and Devon. 1964 26:MB87
Reference Guide to the Literature of Travel. Edward Cox. 26:MB13
Regional mineralogies for eastern European countries 27:312–313
Regional mineralogies for Ohio, Slovakia, Spain 27:233–234
Regional mineralogies of the world: bibliography 26:MB113–134
Rivista Mineralogica Italiana (Mont St.-Hilaire issue, July/Sept. 2000) 32:82
Rocks & Minerals (in late 1960’s) 35:73
Science, Medicine and Natural History. William Patrick Watson. 1993 26:MB12
System of Mineralogy, James Dwight Dana. Differences between editions 26:MB10, 16; selling price for first edition 26:MB20; composition at Yale by J.D. and E.S. Dana 30:88, 91; mentions Bristol, CT chalcostite 32:437
Twenty-five-year Index of the Mineralogical Record 27:3
World Directory of Mineral Collections 26:230
World of Stones magazine, 26:146, 26:576
World’s Finest Minerals and Crystals. Peter Bancroft. 26:507

PUCHERITE

Australia
Victoria
Benambra: brown microcrystals (id. questionable) 26:111p, 112
Zambuje
Mataica pegmatite, Alto Ligona area: sharp 2-mm crystals in bismutite 31:484p

PUPMELLYTE GROUP

Russia
Bor pit, Dal’negorsk, Primorskiy Krai: earthy compact masses 32:24
South Africa
Cape Province
Nababeep West mine, Okiep district: acicular crystals to 3 mm 35:313p
United States
New Jersey
Millington quarry, Somerset County: fibrous coatings 31:405
North Carolina
McKinney mine, Spruce Pine district: “wheat-sheaf” clusters to 5 mm 27:289–290p

PUPMELLYTE-(Fe?)

India
Bombay-Malad, Maharashtra: spherical aggregates to 5 mm on ilvaite 34:58, 70

PUPMELLYTE-(Mg)

Italy
Liguria
Molina quarry, Val Graveglia: sprays to 1 cm 32:372
GENERAL INDEX

PUMPELLYTE-(Mn+2)

Italy
Liguria
Gambatesa mine, Val Graveglia: thin crystals to 2 mm 32:372

PYRARGYRITE

Bolivia
Cerro Rico de Potosí, Potosí: massive ore, microcrystals 30:30–31

Canada
British Columbia
Silvana mine, Sandon: massive, deep red crystals to 1 cm 27:437
Van Silver mine: gemmy red prisms to 5 mm 31:224, 227–228

Germany
Harz Mountains
Andreasberg: lustrous 2.5-cm crystal group 30:92p
Saxony (?): fine specimen pictured in Sowerby, now owned by Steven Smale 26:MB94p

Hungary
Rudabánya: sharp columnar crystals to 3 mm 32:126

Mexico
Santa Elena: 2-cm crystals in groups to 6 x 8 cm 26:496n
Durango
Ojuela mine, Mapimí: massive 26:MB81
Guanojau
Guanojauato district 30:(85)

Zacatecas
Fresnillo: 6.1-cm specimen 26:488p; fine Romero Collection specimen 28:213; beautiful small specimens 30:217n
Proaño mine, Fresnillo: brilliant crystals to 3 cm, clusters to 6 cm 32:428h; fine thumbnail and miniature specimens 33:263n
San Carlos vein, Fresnillo: crystals intergrown with quartz crystals 34:LL47
San Luis shaft, Fresnillo: lustrous 10-cm specimen 28:59n; crystals to 2.2 cm on quartz 30:469n, 470n; brilliant crystals to 5 cm, some gemmy 34:LL49–50p
Santa Elena & Santo Niño veins, Fresnillo: beautiful crystals to 10 cm 34:LL47
Santo Niño vein, Fresnillo: gemmy red crystals in 7.5 cm group 26:227p

Norway
Kongsberg mines: microcrystals, small masses 32:197

Peru
Huaraz district, Pasco Dept.: 2-mm crystals on rhodochrosite pseudomorphs 34:248
Millotango mine, Lima Dept.: sharp, dull-Weathered crystals to 5 cm 28:P94
San Cristobal district, Junin Dept.: dark red-black crystals to 2 cm 28:P75, 76p
San Genaro mine, Castrovieyena district, Huanca
Cavila mine: magnificent, deep red crystals to 4 cm 28:891p, 93; crystals to 6 cm 34:118; 1.5-cm columnar to rounded crystals in clusters 34:250
Uchucchaca mine, Lima Dept.: crystals to 3 cm 28:P95

Russia
Dalnegorsk, Primorskiy Kraj 32:(24)

Sweden
Garnenberg: microcrystals 27:209

United States
Montana
Springfield mine, Butte, Silver Bow County: small crystals 33:57

Nevada
Meikle mine, Elko County: 1-mm crystals 30:196

PYRITE

Theme species for the Denver 1994 show 26:153

Australia
Tasmania
Lord Brassey mine: nickelian, intergrown with millerite 33:329

Bolivia
Cerro Rico de Potosí, Potosí: abundant vein mineral, crystals rare 30:31
Colavi mine, Potosí: octahedrons to 3 mm 26:489
Cristalmayu near Villa Tunari, Chapare, Cochabamba 26:(487)
Huanuni mine, Huanuni, Oruro 26:(489)
Paçaje mine, Potosí: in fractures in wall rock 34:354
Tasna: brilliant group of octahedral crystals 26:198p

Bosnia/Herzegovina
Zagradski Potok near Busovac: modified cubes to 5 mm with quartz 27:344

Brazil
Minas Gerais
Golconda mine, Governador Valadares: 2-mm crystals on tourmaline 26:489
Sapucaia pegmatite, Gálibia: tiny crystals with phosphates 30:359
Parába
João Pessoa: concretionary, globular, stalactitic 26:576n

Bulgaria
Ianakiev mine, Erma Reka: brilliant striated crystals to 3 mm and miniature specimens 32:56

Canada
British Columbia
Engineer mine, Tagish Lake: cubes, pyritohedrons to 2 mm 27:269
Silvana mine, Sandon: lustrous cubes to 1.5 cm, other habitus 27:435p, 437
Van Silver mine: sharp microcrystals perched on quartz crystals 31:224

Northwest Territories
Nanisivik mine, Baffin Island: crystals of various habits, some on dolomite 28:136n

Quebec
Saint-Amable sill: drusy crystals in fractures, elongated “bars” 29:106

China
Guangxi: discoidal concretions to 12 cm 27:452n
Locality not specified: lustrous 1-cm octahedron on pale green porous matrix 31:97n

Czech Republic
Cicov Hill, Horonec, near Bilina, Bohemia: small spherical concretions 35:142

England
Cumbria
Brownley Hill mine, Alston Moor: tarnished cube/pyritohedrons to 1.5 cm 31:247
Yorkshire
Boulby mine, Loftus, Cleveland: anhedral grains 27:169

France
La Combe de la Selle, Isère: isolated crystals to 1 cm in alpine veins 32:228
Trimouns quarry, Luzenac, Ariège: crystals to 15 cm, various habits 35:241

Greece
Chalkidiki 26:(99)

Hungary
Rudabánya: compact masses, cubic and pyritohedral crystals to 2 mm 32:126

India
Malad-Kurar quarries, Bombay, Maharashtra: microcrystals on calcite 34:58, 70

Ireland
Magcoban mine, Silvermines, County Tipperary: large lustrous crystals 30:102, 103
Mogul mine, Silvermines, County Tipperary: pyritohedrons to 2 mm underlying galena, sphalerite 30:103

Italy
Liguria
Val Graveglia: masses, crystals to 4 cm 32:372

Piemonte
Brossos: octahedrons to 4 cm on magnetite 31:510; complex, lustrous crystals to 5 cm 34:199

Tuscany
Elba 26:MB73p
Serravezza: crystals to 1 cm 27:55

Kazakhstan
Karazmuk deposit, Kustanay: pyritohedral crystals to 2.5 cm on magnetite 34:282n

Mexico
Chihuahua
Erupción/Ahumada mine, Los Lamentos district: small pocket 34:LL24

Durango
Mapimí district: crystals to 4 cm 34:OJ81

Namibia
Onganja mine, Secis: massive 27:96

Norway
Kongsberg mines: fine crystals to 4 cm, predominantly pyritohedrons 32:198, 204

Peru
“Piríteros” selling specimens in Peru 28:P14–15
Alimón mine, Huaraz district, Pasco Dept.: crystals in needle quartz beds 34:248
Carhuacayn district, Junin Dept.: fine modified pyritohedrons to 5 cm 28:EP70; 34:(248)
Casapalca district, Lima Dept.: pyritohedrons to 2.5 cm 28:EP82
Castrovieyena district, Huancalevica district: pyritohedrons to 1 cm 28:P93
Cerro de Pasco district, Pasco Dept.: ore species, some specimens 28:P64
Huanzala mine, Huallanca district, Huanuco Dept.: giant, spectacular specimens, chispas decorative pyrite 28:P52–53p; buying pyrite at Huanzala 28:P54–55; lustrous octahedrons to 3 cm, pseudomorphs after pyrhotite 34:244
Huaraz mines, Pasco Dept.: bright modified cubes on quartz prisms 28:P89–70
Juncal district, Huancalevica district: 1-cm pyritohedrons, botryoidal pyrite 28:P89; stalactite form aggregates 34:250p, 251
Milpo mine, Atacocha district, Pasco Dept.: simple cubic crystals to 5 cm 34:247
Morococha district, Junin Dept.: large pyritohedrons, some on gypsum 28:P73
Mundo Neuvo mine, Pasto Bueno, Ancash Dept.: striated cubes to 7 cm 34:243; 5-cm cubes with fine luster on the surface 34:278n
Pachapaqui district, Ancash Dept.: striated pyritohedrons, cubes to 3 cm 28:P46
Pacococha district, Lima Dept.: rare, crude crystals 28:P84
Pasto Bueno district, Ancash Dept.: lustrous pyritohedrons to 2.5 cm 28:P33–4
Quiruvilca district, La Libertad Dept.: abundant fine specimens, many forms, crystals to 15 cm, some with enargite 28:P24, 25p, 26–27
Raura district, Lima Dept.: pyritohedrons with other sulfides 28:P38–39
GENERAL INDEX

San Cristobal district, Junin Dept.: brilliant pyrite +hematite crystals to 6 cm, rimmed with quartz crystals 28:176
Tazna, Atocha: sharp octahedral crystals in cluster 32:470p
Uchucchacua mine, Lima Dept.: collector-quality specimens 28:P59

Romania
Boldut mine, Cavnic, Maramures: with calcite, quartz, dolomite 28:137
Hetja mine, Maramures: pseudomorphs after pyrrhotite 28:137

Russia
Astafievskoye deposit, Yuzhnyi, South Urals: 12-cm crystal group 31:393p
Bazhenovskoyed, Urals: 12-cm group of striated cubes 26:98n
Dal’negorsk, Primorskiy Kraj: clean dodecahedral crystals on greenish aragonite 31:100n; pyrite +hematite to 1 cm on gray-green stalactiform matrix 31:282n; pseudomorphs, cubic crystals to 10 cm 32:24p
Dodo deposit, Subpolar Urals: crystals generally to 2 cm in clefts 30:439

Slovakia
Pezinok mine, Pezinok: massive lense, tiny crystals 31:159

South Africa
Transvaal
Elandsrand mine, Witwatersrand Basin: small crystals included in barite 32:179
Vaalkopp Dam, Bushveld Complex: sharp, tarnished cubic microcrystals 29:464

Spain
“Pyrite beli” of massive pyrite deposits 27:276–277h
Ambasaguas mine, Ambasaguas, Logroño: sharp foliated crystals to 3 cm 26:145n; complex crystals to 6 cm, “iron cross” twins 28:410n
Antequera, Málaga: 5-mm crystals 27:103
Arrigorriaga, Vizcaya: “iron cross” twins to 1 cm in calcite 28:410n
Nueva Vizcaya mine, Burguillos del Cerro, Badajoz: rounded crystals 33:498
Picos de Europa, Santander: small modified pyrite +hematite crystals 27:185
Victoria mines, Navajún, La Rioja: abundant fine specimens 28:409–410n

Sweden
Bastnäs mines, Västmanland: masses, small crystals 35:198

United States
Alaska
Green Monster Mountain, Prince of Wales Island: crystals of several forms 35:400
Arizona
Brick 2 mine, Gila County: altered cubes and masses 26:445, 448
Arkansas
Stillwater: pyrite “bars” 26:133

California
Chickencoop Canyon, Tulare County: microcrystals in sanbornite/quartz 34:164
Colorado
Brass Balls claim, Eagle County: brassy concretions with fossils in shales 28:417n
Sweet Home mine, Park County: the “Pyrite Pocket” 29:SH55, 120; cubes to 4.4 cm, with serrated edges 29:SH120p; trace-element chemistry 29:SH135–136q; small cubic crystals on needle quartz 35:151n
Connecticut
Bristol mine, Hartford County: massive, crystals of doubtful occurrence 32:448
Illinois
Hamilton: epiphytal on marcasite 26:136
Irene quarry, Boone County: epiphytal on marcasite 26:129–138c,d,m,p,q
Minerva #1 mine, Hardin County: microcrystals on fluorite 28:40p
Mt. Carroll quarry, Carroll County: epiphytal on marcasite 26:129c
Mulford quarry, Winnebago County: epiphytal on marcasite 26:129–138c,d,m,p,q
Illinois-Kentucky
Various minerals in fluorite district: masses, stalactites, microcrystals 28:40
Indiana
Pleasant Ridge: pyrite “bars” to 3 cm 26:133
Rensselaer: pyrite “bars” to 3 cm 26:133
Iowa
Kekuk: epiphytal on marcasite 26:136
Pint’s quarry, Raymond: epiphytal on marcasite 26:136
Kentucky
Missouri
Amex mines, Boss: “bars” to 32 cm 26:133c, 136
Montana
Butte, Silver Bow County: crystals of various habits common, to 10 cm 33:57–58p
Nevada
Dee North mine, Elko County: large masses, drusy crusts 33:223
Gold Quarry mine, Eureka County: large masses, rare crystals to 1 cm 26:462
Meikle mine, Elko County: drusy pyrite coating 2-cm barite crystals 30:196
Willard mine, Pershing County: masses, crude crystals 32:301
New Jersey
Bound Brook: botryoidal with chloropyrite 28:131n
Millington quarry, Somerset County: crystals to 5 mm 31:410p
New York
Kingsbridge, Manhattan, New York City: crystals to 1 cm in marble 28:469, 470p
Long Lake, Hamilton County: tiny cubes on fluorite 31:420
Roundout: tiny cubic crystals in “bars” 26:133
Rossie, Sullivan County: sharp, complex crystals 32:287p, 288d, 290p
Ohio
Duff’s quarry, near Huntsville: complex crystals 26:483n
Milan: epiphytal on marcasite 26:136
Ross County: fulgurite-like, formed in worm burrows 26:483n
Pennsylvania
Cornwall mine, Lebanon County: brilliant twinned crystal 30:471n
Tennessee
Elmwood mine, Smith County 27:(171)
Utah
Bingham 26:(486)
Virginia
Rockbridge County: epiphytal on marcasite (?) 26:136
Washington
Spruce claim, King County: with quartz 28:No. 2 (cover)
Wisconsin
Flamborough, Racine County: pyrite +hematite to 1.5 cm 30:125
Vulcan quarry near Racine: cuboctahedral crystals 26:486n
Wyoming
Green River: tiny complex crystals in montmorillonite 26:486n
Westvaco mine: “triaxial” microcrystals 26:201–202c,p

Zaire
Kipushi mine, Shaba: crystals to 1 cm 26:185c,g

PYROARURITE

Australia
Tasmania
Lord Brasseys mine: fine-grained, in altered serpentinite 33:329

PYROBELONITE

Italy
Liguria
Val Graveglia: small masses, microcrystals 32:372

PYROCHLOR

Argentina
Papachacra, Catamarca 31:(99)

Mozambique
Mocacha pegmatite, Alto Ligonha area: yellowish brown octahedrons 31:484

Russia
Tatarka River near Novosibirsk, Krasnoyarskiy Kraj, Siberia: floaters in yellowish brown octahedrons 26:228h; 3-cm brown to reddish octahedrons 26:493n
Vein #140, Vishnevogorsk, Middle Urals 26:535p; sharp 8-mm crystals 27:389n

United States
Arkansas
Union Caribide V mine, Wilson Springs, Garland County: microcrystals 26:477n

PYROLYSIT

Germany
Nordrhein-Westfalen
Bonn (near) 30:90p

Hungary
Rudabanya: large compact masses, aggregates of small crystals 32:126

India
Sandur, Karnataka: pseudomorphic after aggregates 34:149

Italy
Liguria
Val Graveglia: widespread dendrites, lustrous crystals to 7 mm 32:372

Mexico
Durango
Opuela mine, Mapimi: lustrous black botryoidal crusts 34:OJ81

Russia
Dal’negorsk, Primorskiy Kraj: powdery masses, coatings 32:24

Spain
Linares, Picos de Europa, Santander 27:(187)

United States
Montana
Butte, Silver Bow County: silky black fibers, blocky microcrystals 33:58

Nevada
Gold Quarry mine, Eureka County: black dendrites 26:462–463
Willard mine, Pershing County: dendrites on shale in mine pit 32:301

PYROMORPHITE

Bulgaria
Pchelejod mine, Kardzhal: 1-cm brown crystals on drusy quartz 28:417n
Sedefche mine, Montschiglrad: rich brown hexagonal prisms to 3 cm 30:215p, 221n
Zvezdel mine, East Rhodope Mountains: sharp brown prisms to 2 cm 28:208n; 1-cm crystals on quartz plates 29:216n

China
Daoping mine, Guilin, Guangxi: abundant supplies of fine specimens, varying colors and habits 32:61–62p, 32:493n; fabulous 20-cm specimen 32:497n; fine specimen 34:86n
Guilin (Guilin), Guangxi: lustrous green crystals to 1 cm 31:509n; fine grass-green crystals 31:512n; bright hoppered crystals, spindles, different shades, to 2.5 cm 32:55–56n
Jiangxi (probably Guilin, Guangxi): bright yellow-green prisms and spindles to 1 cm 31:283n
Undisclosed locality: medium apple-green prisms to 2.5 cm in clusters 30:472n
Xiangxi, Hunan (probably Guilin, Guangxi): green crystals to 1.5 cm 31:98–99n

England
Somerset
Higher Pitts mine, near Priddy: rare, tiny crystals 27:256

France
Chaillac, Indre: bright green lustrous crystals 28:139n
Huelgoét, Finistère 26:MB74p
Les Farges mine, UsSEL: excellent miniature 27:147n; various colors, habits 28:139n; hoppered crystals, many colors, to 1.5 cm 31:277n
Rossignol vein, Chaillac: brown crystals with fluorite 28:64n
St. Salvie, Tarn: grass-green sprays 27:212n

Germany
Baden-Württemberg
Hofgründ near Freiburg: old Gibbs collection specimen 30:93p
Schwarzwald: pseudomorph after galena (old specimen) 28:63
Nordrhein-Westfalen
Bastenberg und Dörmberg mine, Ramsbeck, Sauerland: groups of bright yellow-green crystals 28:209n, 210p, 29:144
Rheinfalz
Friedrichsseggen mine, Bad Ems: large crystal clusters, brown and green 32:54n

Hungary
Rudabánya: white crystals to 0.1 mm altered from galena 32:126

Mexico
Baja California
Boloito deposit: tiny acicular crystals (?) 29:44
Chihuahua
Erupción/Ahumada mine, Los Lamentos district: minute crude crystals 34:LL24
Durango
Ojuela mine, Mapimí: pale yellow to green crystals to 8 mm 34:OJ77–78p
Sonora
San Francisco mine: olive-green crystals to 4 mm, identity unverified 35:GU57, 59

Namibia
Uitsab mine, Otavi Mountain Land: ore mineral 28:128

Russia
Brenner mine, Da’negorsk, Primorsky Krai: microcrystals 32:24
Scotland
Argyleshire: green botryoidal specimen in old collection 30:42p

South Africa
Transvaal
Argent, Bushveld Complex: microcrystals with crocoite 29:463p, 464
Spain
Cerro Canalesa, Santa Eufenia, Cordoba: milky olive-green crystals 27:212n
Horcajo, Ciudad Real: long, tapered crystals 26:98p; specimens from an old find marketed 26:146n
Resuperferolita mine 522, Santa Eufenia, Cordoba: greenish tan cavernous crystals to 1.5 cm 27:220n; large groups of brownish to pale green crystals to 1 cm 28:409n, 410p
San Andres mine, Villavicencio de Cordoba: spectacular yellow-green crystals to 2 cm in clusters 29:214p, 216n; “geoda La Victoria” pocket of fine specimens 30:153n; precise locality designation 30:153; 31:286

United States
Idaho
Bunker Hill mine, Kellogg: large, golden yellow crystal groups 26:150p, 153; major specimens 26:478n, 480p; thumbnail to very large specimens 26:575n; 27:64p; 27:No. 4 (cover); large lot of new specimens 30:214n; 15.5-cm group 31:70p
Jersey Vein, Bunker Hill mine, Kellogg: large crystal groups 26:217p, 218n; deep orange to yellow to green crystals, some mammillary 29:212n
Midnight mine near Mullan, Shoshone County: greenish white splinter crystals to 1 cm in groups 27:456n
Illinois-Kentucky
Various mines in fluorite district: green microcrystals 28:41
Montana
Butte, Silver Bow County: brown crystals to 2 mm on single specimen 33:58
New Mexico
Mex-Tex mine, Bingham: colorless to gray crystals to 1 mm 30:341
Pennsylvania
Wheatley mine, Phoenixville: superb old cabinet specimens 32:54n; 33:524

Zaire
Kipushi mine, Shaba: yellow crystals to 7 mm 26:185–186c,h,p

PYROSLIPNITE
Bolivia
Cerro Rico de Potosí, Potosí: sharp orange-red crystals to 2 mm 30:30p, 31
Canada
British Columbia
Silvana mine, Sandon: fine orange-red crystals to 1 mm 27:435p, 437
Van Silver claim near Whistler: scales, crystals to 1 mm 26:491n; orange gemmy crystals to 0.6 mm 31:228p

Sweden
Gärpenberg: microcrystals 27:209

PYROXENE GROUP
United States
Nevada
Dean mine, Lander County: scales and microcrystals 26:482n
Morey mine, Nye County 26(482)

PYROXAMGITE
Brazil
Minas Gerais
Conselheiro Lafaiette: bladed pink crystals, may be rhodonite 30:52n

Italy
Liguria
Val Gravaglia: orange or yellow crystals to 1 mm 32:370p, 372

PYRRHOTITE
Australia
Tasmania
Lord Brasseymine: grains to 40 micrometers 33:329
Canada
British Columbia
Engineer mine, Tagish Lake: massive 27:269
Northwest Territories
Nanisivik mine, Baffin Island: fairly large crystals 28:136
Quebec
Lac Nicolet mine, South Ham: 2-mm plates in ore 27:128
Saint-Amable sill: crystals to 4 mm, rosette groups 29:106

France
La Combe de la Selle, Isère: weathered crystals to 1 cm 32:228

Trimmouns quarry, Luzenac, Ariège: masses, small crystals 35:241

Italy
Liguria
Gambatesa mine, Val Gravaglia 32(372)

Mexico
Durango
Ojuela mine, Mapimí: massive ore 34:OF81

Norway
Gottes Hülfe in der Noth mine, Kongsberg: 6-mm crystals coated by silver 32:200p

Peru
Pucaráajo mine: sharp, lustrous platy crystals to 5 cm with other sulfides 34:244p
Reliquia mine, Huallanca district, Huanuco Dept.: a few specimens in 1980’s 28:4P8
Uchuchacua mine, Lima Dept.: collector-quality specimens in 1980’s 28:4P59
Russia
Dal’negorsk, Primorskiy Kraj: with epitaxial galena 26:143n,p; 26:(152); 7.5-cm specimen with galena 31:27p; small numbers of specimens 31:99–100n; 10-cm crystal group with quartz 31:395p; sharp hexagonal plates, rosettes, columnar aggregates to 25 cm 32:24–26p; brilliant hexagonal plates to 10 cm 33:274n
Dodo deposit, Subpolar Urals: columnar crystals to 15 cm, platy to 1 cm 30:439
Nikolaevskiy shaft, Dal’negorsk, Primorskiy Kray 26:525p
Slovakia
Pezinok mine, Pezinok: grains, columnar crystal aggregates 31:159
South Africa
Cape Province
Okiep district 35:(309)
Transvaal
Elandsrand mine, Witwatersrand Basin: small crystals 32:177
Mponeng mine, Witwatersrand Basin: finest pyrrhotite from southern Africa 35:59
United States
Alaska
Green Monster Mountain, Prince of Wales Island: isolated mass 35:400
California
Chickencoop Canyon, Tulare County: grains in sanbornite/quartz 34:164
New Jersey
Millington quarry, Somerset County: masses, crude crystals to 1 cm 31:410
New York
Kingsbridge, Manhattan, New York City: veins, small crystals in marble 28:469
Wisconsin
Flambeau mine, Ladysmith, Rusk County: accessory mineral in ore 30:126