

TOPOGRAPHICAL INDEX

EUROPE

Norway (Norge)

Eiksundsdal, Sunnmøre, omphacite, 61.
Fen, magnesio-arfvedsonite, 317.
Hasvik, Söröy, gabbro, 815.
Sulitjelma, almandine, biotite, hornblende, muscovite, paragonite, 693.

Sweden (Sverige)

Långban, pyroaurite, sjögrenite, 338.
Norra Kärr, eckermannite, 317.
Varuträsk, Skelleftea, Västerbotten, montebrasite, 414.

Germany (Deutschland)

Chursdorf, Penig, Saxony, amblygonite, 414.
Drachenfels, Pfalz, alkali feldspar, 489.
Dreiser Wether, Eifel, spinel-lherzolite xenoliths, 736.
Harzgerode, Harz, ullmannite, 26.
Leichtenberg, Fichtelbegirge, gersdorffite, 26 (amoibite).
Lobenstein, Russ, Thuringen, gersdorffite, 26.
Musen, Westphalia, gersdorffite, 26.
Petersbach, Siegen, Westphalia, ullmannite, 26.
Silberbach, Bavaria, omphacite, 61.
Wolfsberg, Harz, gersdorffite, 26; plagioclase, heteromorphite, 442.

British Isles

ENGLAND

Alum Bay, Isle of Wight, jarosite, 941.
Cumberland, gilbertite, 606.
George and Charlotte mine, Tavistock, Devon, 'tavistockite', 123.
Grassington, Yorkshire, calomel, cinnabar, mercury, metacinnabarite, xlvi.
Grassington Moor, Yorkshire, minium, xlvi.
Greenhow Hill, Yorkshire, calomel, cinnabar, mercury, metacinnabarite, xlvi.
Meldon, Devon, topaz, 717; amblygonite, montebrasite, 414; axinite, 45.
Whitecliff Bay, Isle of Wight, jarosite, 941.
Heilandite from the following localities, 480:
Brockham, Hog's Back, Mersham, and Marden Castle, Surrey; Cholsey, Harwell, Sparsholt, and Wantage, Berkshire; Halton and Shabbington Wood, Buckinghamshire; Lower Froyle, Selborne, and West Worldham, Hampshire; Pegwell Bay and Upnor, Kent.

Cornwall

Bosahan quarry, Falmouth, biotite, 210.
Dean quarry, Coverack, The Lizard, analcime, natrolite, prehnite, calcite, 147.

Drakewalls mine, Gunnislake, posnjakite, 740.

Hingston Down Consols mine, arthurite, 520.

Lee Moor, muscovite, 606.

Stenna Gwyn, St. Austell, wavellite ('tavistockite'), 123.

Tregarden, biotite, 606.

Trelavour, biotite, 606.

WALES

Moel Goedog, Harlech, Merioneth, basaluminite 291.

SCOTLAND

Aberdeen, biotite, 606.

Gribun, Mull, plumbogummite group, 935.

Lecht mines, Tomintoul, Banffshire, lithiophorite, 618.

Leverburgh, South Harris, omphacite, 61.

Loch Don, Mull, plumbogummite group, 935.

Loch Feith an Leothaid, Lochinver, augite, bronzite, 115.

Loyne, Borolan, magnesio-arfvedsonite, 317.

Mingulay, Outer Hebrides, dolerite, 427.

Poll Luachrain, Morvern, plumbogummite group, 935.

IRELAND

Ballyshannon, Donegal, omphacite, 61.

Sliieve Gullion, Armagh, alkali feldspar, 489.

France

Le Puy, Haute-Loire, spinel-lherzolite xenoliths, 726.

Lherz, Ariège, omphacite, 61.

Montboissier, Puy-de-Dôme, spinel-lherzolite xenoliths, 726.

Montebras, Creuse, amblygonite, montebrasite, 414.

Orpierre, Hautes-Alpes, blende, 153.

Parignac, Fay-de-Bretagne, Loire Atlantique, omphacite, 61.

Puy Beaurit, Puy-de-Dôme, spinel-lherzolite xenoliths, 726.

Rentières, Puy-de-Dôme, spinel-lherzolite xenoliths, 726.

St. Christophe, Bourg d'Oisans, Isère, crichtonite, 349.

Spain (España)

Cabo Ortegal, Galicia, omphacite, 61.

Carmelita mine, Cáceres, montebrasite, 414.

Santander, blende, 153.

Sierra de los Filabres, mboziite, 629.

Italy (Italia)

Canzoccoli, Predazzo, Trento, idocrase, 343.

Pantellaria, albite, 489.

Omphacite from the following localities in Piemonte, 64: *Ala di Stura, Biella, Lago Mucrone, Quincinetto, Pian Commune, Stura di Viù, Val Pellice, Uja di Ciamarelli, Val Germanasca.*

Switzerland (Helvetia)

Mellichen, Wallis, omphacite, 61.
St. Gotthard, orthoclase, 489.
Schyn-Schlucht, Grisons, albite, 156.

Austria (Österreich)

Burgstein, Oetztal, omphacite, 61.
Kupferbrunn, Saualpe, omphacite, 61.
Lafatsch, Tirol, blende, 153.
Meidling im Tal, Lower Austria, omphacite, 61.
Mitterbachgraben, Lower Austria, omphacite, 61.
Mitterburg, Salzburg, gersdorffite, 26.
Tarvisio, Tirol, blende, 153.

Czechoslovakia (Československo)

Banská Hodrušá, Banská Štiavnica (= *Schemnitz*), hodrushite, 641.
Dobšina (= *Dobschau*), gersdorffite (dob-schauite), 26.
Ferro, Slovakia, gersdorffite, 26.
Vernerov, Aš, montebrasite, 414.

Poland (Polska)

Jordanów, Lower Silesia, chromian hydrogrossular, 241.
Nowa Wies, Sudeten, omphacite, 61.

Romania

Baia Mare (= *Nagybánya*), füllöppite, 442.
Chiuzbaia (= *Kisbánya*), semseyite, 442.

Yugoslavia (Jugoslavija)

Mežica, Slovenia, blende, 153.

Greece ('Ελλας)

Kirki, Alexandria, blende, 153.

Russia (Россия)

Khalilovo, Chkalovsk obl., Urals, omphacite, 61.
Khibina, Kola, arfvedsonite, 317.
Kola peninsula, alkaline and ultramafic rocks, xliv.

ASIA

Asiatic U.S.S.R.

Ebeko volcano, Paramushir Id., Kurile Is., alunite, 128.
Sokolovsko-Sarbaiskaya, Kazakhstan, calcite, 929.
Tetyukhinsky, Maritime Province, calcite, 929.

Azerbaidzhan

Dashkesan, calcite, 929.
Kedabek, calcite, 929.
Zaglik, alunite, 128.

Iran

Sar Cheshmeh, Kerman province, cuprian sericite, 945.

Israel

Golani, basalt, 568.

Pakistan

Naranji Sar, Malakand, rodingite, grossular, hydrogrossular, sheridanite, 735.

India

Chikla, Bhandara district, Maharashtra, juddite, 317, 708.

Goldongri, Panchmahal, Gujarat State, ecker-mannite, 317.

Parvati Hills, Poona, Bombay, aluminian apophyllite, 288.

Sitampundi, Salem, Madras, pyrope, clinopyroxene, 'eclogite', 555.

Singhbhum, Bihar, tetradyomite, wehrlite (of Huot), 423.

Varanasi (= *Benares*), *Uttar Pradesh*, phlogopite, 606.

Andhra Pradesh

Bala Durga Gourishankar mine, Tummalatalapur, Nellore, microcline perthite, 135.

Bhavani Sankar mine, Tummalatalapur, Nellore, muscovite, 140.

Chipurupalli, Visakhapatnam, augite, hypersthene, hornblende, bytownite, 497.

Garbhām, Srikakulam district, sahlite, hypersthene, biotite, charnockite, 682.

Inakurti mine, Nellore, muscovite, 140.

Kodandarama mine, Tummalatalapur, Nellore, microcline perthite, 135.

Kondapalli, biotite, hornblende, 362.

L.N. mine, Chaganam, Nellore, microcline perthite, 135.

Madiga Inam mine, Kalichedu, Nellore, muscovite, 140; biotite, 391.

Orupallirachapalem, Nellore, microcline perthite, 135.

Palamani mine, Chaganam, Nellore, muscovite, 140.

Pallimetta mine, Saidapuram, Nellore, microcline perthite, 135.

Radhakrishna mine, Tummalatalapur, Nellore, microcline perthite, 135.

Tummalatalapur, Nellore, microcline perthite, 135.

Madhya Pradesh

Garra, juddite, 708.

Jhabua, barian muscovite, 947.

Miragpur, juddite, 708.

North Tirodi, juddite, 317, 708.

Ponia, juddite, 708.

Sitapatore, juddite, 708.

Burma

Tawmaw, *Kachin Hills*, omphacite, 61; ecker-mannite (széchenyiite), 317.

Japan (Nippon)

Asahine, *Kanto Mts.*, omphacite, 61.

Gongen-yama, *Shikoku*, omphacite, 61.

AFRICA

Algeria

Djebel Gustar, blende, 153.

Egypt

Angouria, antigorite, 394.

Bir Meneiga, lizardite, antigorite, 394.

Gebel Atud, antigorite, 394.

Gebel el-Rubshi, lizardite, 394.

Gebel Karabkansi, lizardite, 394.

Gebel Moweleh, antigorite, 394.

Gebel Umm-Salatit, lizardite, 394.

Qena-Qoseir road, antigorite, lizardite, clino-chlore, chromite, 394.

Saul Hamed, antigorite, goethite, 394.

Sukkari, antigorite, 394.

Wadi Alaqui, antigorite, 394.

Wadi Atalla, antigorite, 394.

Wadi Badia, lizardite, clinochrysotile, 394.

Wadi Beitan, lizardite, antigorite, olivine, chromite, 394.

Wadi Bezah, antigorite, 394.

Wadi el-Barramyia, lizardite, antigorite, clinochrysotile, chromite, magnetite, 394.

Wadi Fatiri, lizardite, antigorite, 394.

Wadi Ghadir, antigorite, clinochlore, 394.

Wadi Sikeit, clinochlore, 394.

Wadi Uum Khariya, clinochlore, magnetite, 394.

Wadi Umm Esh el Zarga, antigorite, chromite, 394.

Wassif basin, NE. desert, clinochrysotile, chromite, 394.

Nigeria

Arfvedsonite, 317.

Bokkos, Jos, albite, anorthoclase, sanidine, trachyte, iherzolite, diorite, pyroxenite, 370.

Zaria, cleaved quartz, 734.

Somalia

Darkainle, mboziite, 317.

Congo

Kipushi, Katanga, blende, 153.

Mushishimano, wavellite (bialite), 123.

Rhodesia

Bikita mine, montebrasite, 414.

Farvic mine, *Gwanda*, gersdorffite, 26.

Malawi

Namangali, magnesio-arfvedsonite, 317.

Tanzania

Magnesioriebeckite, 317; alkali feldspar, 489.

Hadeni district, serendibite, sinhalite, 145.

Mbozi, mboziite, 317.

Malagasy (Madagascar)

Muscovite, 606.

Comores Is., augite, 672.

Vohiboly, grandidierite, 615.

South Africa

Bultfontein, *Orange Free State*, peridotite xenoliths, 726; omphacite, 61.

Lulu Kop, *Palabora*, *Transvaal*, magnesio-arfvedsonite, 317.

Roberts-Victor mine, *Bashof district*, *Orange Free State*, omphacite, 61.

Schaapkraal, *Lydenburg district*, *Transvaal*, hypersthene, dolerite, 909.

NORTH AMERICA

Greenland

Kangerdlugssuaq, arfvedsonite, catophorite, magnesio-arfvedsonite, 317.

Narsarssuaq (= *Narsarsuk*), ashcroftine, 515.

Nunarsuatsiaq, *Tunugdliarfik*, arfvedsonite, 317.

South Greenland, alkali feldspar, 489.

Canada

Pte du Bois, *Manitoba*, montebrasite, 414.

Burlington peninsula, *Newfoundland*, omphacite, 61.

Ontario

Cobalt, gersdorffite, 26.

Fishtail Lake, cordierite, kyanite, andalusite, 466.

Sudbury, gersdorffite, 26.

U.S.A.

Amelia County, *Virginia*, albite, 156, 489.

Arkansas, orthoclase, 489.

Black Hills, *South Dakota*, montebrasite, 414.

Canon City, *Fremont Co.*, *Colorado*, montebrasite, 414.

Fairfield, *Utah*, wardite, 598.

Mammoth-St. Anthony mine, *Tiger*, *Arizona*, bideauxite, 637.

Salt Lake Crater, *Oahu*, *Hawaii*, omphacite, 61.

San Carlos, Arizona, kaersutite, olivine, clinopyroxene, ilmenite, spinel, wehrlite (of Kobell), 333.

Skamania Co., Washington, stilbite ('heulandite'), 522.

Texas, alkali feldspar, 489.

Tip-Top mine, Custer, South Dakota, montebrasite, 414.

California

Pala, San Diego, montebrasite, 414.

Omphacite from the following localities, 64: *Clear Creek, Cloverdale, Healdsburg, Junction School, Mt. Boardman, South Berkeley Hills, Tiburon peninsula, Valley Ford, Ward Creek*.

Maine

Greenwood, Oxford Co., amblygonite, 414.

Mt. Mica, Paris, montebrasite, 414.

Nevel mine, Newry, Oxford Co., montebrasite, 414.

CENTRAL AND SOUTH AMERICA

Bolivia

Cochabamba, gersdorffite, 26.

Brazil

Pedra Lavreda, Paraiba State, staringite, 447.

Seridózinho, Paraiba State, staringite, tapiolite, 447.

Chile

Alacrán mine, Copiapó, arsenolamprite, 732.

Copiapó, arsenolamprite, 732.

Pabellón mine, Copiapó, heterogenite (schulzenite), 943.

Potreroillos, Atacama, arthurite, djurleïte, 519.

Remolinos Nuevo, Atacama, delafossite, 425.

Colombia

Guajira peninsula, omphacite, 61.

Guatemala

El Rosario, omphacite, 61.

Kaminaljuyu, omphacite, 61.

Manzanal, omphacite, 61.

West Indies

Clark's Ghut, Jessup Village, Nevis, coquimbite, tamarugite, 939.

AUSTRALASIA

Australia

West Arm, King's Table, Northern Territory, montebrasite, 414.

New South Wales

Broken Hill, plagioclase 729; blende, galena, 852; orthoclase, 489; ullmannite (willyarmite), 26.

Lady Don tin mine, Euriowie, amblygonite, 414.

South Broken Hill, cobaltite, 26.

Spring Mtn., albite, 489.

Torrington, cobaltite, 26.

White Cliffs, opal, 357.

Queensland

Cloncurry, cobaltite, 26.

Mt. Cobalt, cobaltite, 26.

Sardine tin mine, varlamoffite, 624.

South Australia

Andamooka, opal, 357.

Booloomatta, alkali feldspar, 489.

Black Hill, orthoclase, 489.

Bimbowrie, cobaltite, 26.

Coober Pedy, opal, 357.

Giant's Head, alkali feldspar, 489.

Mintabie, opal, 357.

Nairne, orthoclase, 489.

Reedy Creek, orthoclase, 489.

Wittega, alkali feldspar, 489.

Tasmania

Opal, 357.

Lord Brassey mine, Heazlewood, chromian hydro-andradite, 942.

Lyell Highway, omphacite, 61.

Port Cygnet, orthoclase, 489.

Victoria

Mt. Anakie, albite, 489.

Mt. Franklin, albite, 489.

Western Australia

Nanyarra, orthoclase, sanidine, greywacke, 588.

Poona, russellite, 705.

Ubini, Coolgardie, montebrasite, 414.

New Zealand

Blanket Bay, Cuvier Id., grandidierite, 615.

Bridal Veil Falls, Raglan, olivine, orthopyroxene, clinopyroxene, spinel, 375.

Kirikiripu volcano, Raglan, olivine, orthopyroxene, clinopyroxene, spinel, ultramafic nodules, 375.

Landing Bay, Cuvier Id., grandidierite, 615.

Maungarahu, Tokatoka, analcime, harmotome, 453.

Mayor Id., alkali feldspar, 489.

Ngatutura Point, Ohuka, Port Waikato, anorthite, clinopyroxene, orthopyroxene, spinel, ultramafic nodules, 375.

TOPOGRAPHICAL INDEX

- Roose's quarry, Bombay, Auckland*, olivine, orthopyroxene, clinopyroxene, spinel, ultramafic nodules, 375.
Rehia, Tokatoka, harmotome, 453.
Shoal Bay, Auckland City, olivine, orthopyroxene, clinopyroxene, spinel, ultramafic nodules, 375.
Stevenson's quarry, Ramarama, olivine, orthopyroxene, clinopyroxene, spinel, ultramafic nodules, 375.
Todd's quarry, Arapohue, olivine, orthopyroxene, clinopyroxene, spinel, ultramafic nodules, 375.
Tokatoka, kilchoanite, rankinite, 517.
Wairakei, adularia, 916.
Westport, myrmekitic gneiss, 670.
- New Caledonia
Amos Stream, omphacite, 61.
- ANTARCTICA
- Olivine, 238.
Erebus, albite, 489.
- ATLANTIC OCEAN
- Ascension*, arfvedsonite, 317.
Tristan da Cunha, kaersutite, titanaugite, plagioclase, gabbroic xenoliths, 185.