

Sabatierite

Johan Z, Kvacek M, Picot P: Bull.Min.(1978) 101, 557-560

Czech Republic - Jihomoravsky (Southern Moravia) - Dolni Rozinka (SSE of), Rozna mining district - Bukov ore deposit

- France: ENSM-Paris - Type: HT: (2 pol. Sect.)

Sabelliite

Olm F, Santucci A, Trosti-Ferroni R: Eur.J.Min.(1995) 7, 1325-1330

Italia - Sardinia - Iglesias district - Dumosnovas - Is Murvonis fluorite mine

- Italy: MMUFI-Firenze - Type: T: 2051/RI

Compare Olm F, Trosti-Ferroni R, Santucci A, in: Eur.J.Min.(1995) 7, 1331-1337 (crystal structure)

Sabieite

Martini JEJ: Ann.Geol.Surv.S.Africa,(1983) 17, 29-34

South Africa - Eastern Transvaal - Sabie District - Lone Creek Fall Cave

- South Africa: GSM-Pretoria - Type: T:

Sabinaite

Jambor JL, Sturman BD, Weatherly GC: Can.Min.(1980) 18, 25-29

Canada - Quebec - Montreal Island - St. Michel - Francon quarry

- France: ENSM-Paris - Type: CT:
- Canada: GSC-Ottawa - Type: CT: 61017-61024 (500g)
- USA: NMNH-Washington - Type: CT: 145916
- Canada: ROM-Toronto - Type: CT: M35902, M35907 (a few mg)

Sabugalite

Frondel C: Am.Min.(1951), 36, 671-679

Portugal - Guarda - Sabugal - Mina da Quarta Seira (N40 20', W7 05')

- United Kingdom: NHM-London - Type:: 1958,733 (1 sample)
- USA: NMNH-Washington - Type: MT?: 106.335 to 106.337

Sacrofanite

Burrigato F, Parodi GC, Zanazzi PF: Neues Jahrb.Min.,Abh.(1980) 140, 102-110

Italia - Lazio - Roma - Campagnano, Sacrofano volcanic caldera - Valle Biachella (3.2km NNW Sacrofano)

- Italy: MMURo-Roma - Type: T: 24322

Sadanagaite

Shimazaki H, Bunno M, Ozawa T: Amer.Min.(1984) 69, 465-471

Japan - Shikoku/Honshu (between) - Ehime Pref. - Yuge and Myojin islands

- Japan: NSM-Tokyo - Type: T: M-23378 (1 sample)

Saddlebackite

Clarke RM: Austral.J.Min.(1997) 3(2), 119-124

Australia - Western Australia (SW) - Perth (100km SE of) - Boddington Au-deposit (S32 44', E116 22')

- Australia: MOV-Melbourne - Type: T: M44644
- Australia: WAM-Perth - Type: HT: M1.1997

Safflorite

Breithaupt A: Journ.prakt.Chem.(1835) 4, 265

Germany - Sachsen - Erzgebirge - Schneeberg - Wolfgang Maassen mine

- Germany: BAF-Freiberg - Type: T: 3865 (coll. 1804; label of Breithaupt)

Sahamalite-(Ce)

Jaffe HW, Meyrowitz R, Evans HT: Amer.Min.(1953) 38, 741-754

USA - California - San Bernardino County - Mountain Pass - Sulfide Queen mine

- USA: NMNH-Washington - Type: T: 106901 (don. U.S.Geol.Surv., 1954)

Sahlinite

Aminoff G: GFF,(1934) 56, 493-494

Sweden - Värmland - Filipstad - Filipstad - Langban

- Sweden: SMNH-Stockholm - Type: HT: g22707

Sainfeldite

Pierrot R: Bull.Soc.fr.Min.Crist.(1964) 87, 169-211

France - Alsace - Haut-Rhin dép. - Ste-Marie-aux-Mines - Gabe Gottes vein (level 40)

- France: ENSM-Paris - Type: HT: 97.867

Sakuraiite

Kato A: Chigaku Kenkyu (Earth Sci. Studies) (1965) Sakurai Vol., 1-5

Japan - Honshu - Hyogo Pref. - Senju-Hon, Kanagase - Ikuno mine

- France: ENSM-Paris - Type: HT: (coll. Sakurai, 1965, no. 17898)
- USA: HMM-Cambridge - Type: T: 108788 (don. Univ. of Tokyo, via Sakurai-coll.)
- USA: NMNH-Washington - Type: T: 120592 (don. A Kato, 1967)
- Japan: NSM-Tokyo - Type: CT/HT: M-15843 (T:several samples, HT:many samples)

Salecite

Thoreau J, Vaes JF: Bull.Soc.belge Géol.(1932) 42, 96-99

Zaire - Shaba - Likasi - Shinkolobwe uranium mine

- Belgium: UCL-Louvain-la-Neuve - Type: HT: K 1.812

Salesite

Palache C and Jarell OW: Amer.Min.(1939) 24, 388-392

Chile - Antofagasta - Chuquicamata mine (W-side of bench E.4 at the S-end of the open pit)

- USA: HMM-Cambridge - Type: T: 95027

Saliotite

Goffé B, Baronnet A, Morin G: Eur.J.Min.(1994) 6, 897-911

Spain - Andalusia - Sierra Alhamilla - Turrillas Village (3.5 km S) (N37 01', W2 18'20")

- France: ENSM-Paris - Type: T:

Samfowlerite

Rouse RC, Peacor DR, Dunn PJ, Su SC, Chi PH, Yeates H: Can.Min.(1994) 32, 43-53

USA - New Jersey - Sussex County - Franklin

- USA: NMNH-Washington - Type: HT: M04254

Sampleite

Hurlbut CS: Amer.Min.(1942) 27, 586-589

Chile - Antofagasta - Chuquicamata mine

- USA: HMM-Cambridge - Type: HT: 95023/4 (don. Chile Expl. Comp.)
- USA: NMNH-Washington - Type: HT (part of): 137298 (T or HT??)

Samuelsonite

Moore PB, Irving AJ, Kampf AR: Amer.Min.(1975) 60, 957-964

USA - New Hampshire - Grafton County - North Groton - Palermo no. 1 mine

- France: ENSM-Paris - Type: T:
- USA: NMNH-Washington - Type: T: 128071 (don. PB Moore, 1974)

Saneroite

Cortesogno L, Lucchetti G, Penco AM: Rend.Soc.Ital.Mineral.Petrol.(1979) 35, 151-197 (without name)

Italia - Liguria - Genova - Val Graveglia (NE of Lavagna; not specified)

- Italy: IMUGe-Genova - Type: T:

Naming the mineral by Lucchetti G, Penco AM, Rinaldi R in *Neues Jahrb.Min.,Mh.*(1981) 161-168

Sanjuanite

De Aeledo MEJ, Angelelli V, de Benyacar MAR, Gordillo C: Amer.Min.(1968) 53, 1-8

Argentina - San Juan - Precordillera - Sierra Chica de Zonda (E-slope of), San Juan City (45km SSW of) - and Mouth of the La Flecha Canyon (12km to the NNW of the)

- USA: NMNH-Washington - Type: T: 149522 (don. U.S.Geol.Surv., through ME Mrose, 1982)

Sanmartinite

Angelelli V, and Gordon SG: Notulae Naturae Acad.Nat.Sci.Philadelphia (1948) 205, 1-7

Argentina - San Luis - San Martin Dep. - San Martin (7km SW of) - Los Cerillos (prospect in)

- USA: HMM-Cambridge - Type: T: 134566 (part of type NMNH 137479)
- United Kingdom: NHM-London - Type: CT: BM 1978,353
- USA: NMNH-Washington - Type: T: 105681 (don. Acad.Nat.Sci.,Phil., SG Gordon, 1948), 137479 (don. Acad.Nat.Sci.,Phil., don. RW Middleton, 1978)

Santaclaraite

Ohashi Y and Finger LW: Amer.Min.(1981) 66, 154-168

USA - California - Santa Clara County - Mount Hamilton (4 mls ENE of), San Antonio Valley (SW side of) - Pennsylvania mine

- USA: NMNH-Washington - Type: HT: (not reported by NMNH, but in literature)

Santafeite

Ming-Shan Sun und Weber RH: Amer.Min.(1958) 43, 677-687

USA - New Mexico - McKinley County - Grants (12 mls N of) - a cliff-face outcrop of the Jurassic Todilto limestone

- USA: NMBGMR-Socorro - Type: T:
- USA: NMNH-Washington - Type: T: 115882 and 121957 (don. U.S.Geol.Surv., 1963/1969)

Sarabauite

Nakai I, Koto K, Nagashima K, Morimoto N: Chem.Lett.,Japan (1977) 275-276

Malaysia - Sarawak - Kuching (40 km SW of) - Sarabau mine

- United Kingdom: NHM-London - Type: HT: BM 1979,234 (part of HT)
- USA: NMNH-Washington - Type: T: 136397 (don. NSM-Tokyo, thru A Kato, 1977) and 146210 (don. K Masutomi, 1979)
- Japan: NSM-Tokyo - Type: HT: MA-7055

Compare I Nakai, H Adachi, S Matsubara, A Kato, K Masutomi, T Fujiwara in: *Amer.Min.*(1978) 63, 715-719

Sarcelite

Thomson W: LN Vauquelin Ann.Mus.Natl.Hist.Nat.(1807) 9, 241

Italia - Campania - Napoli - Vesuvio, Monte Somma

- France: MHN-Paris - Type: T: H4168 (coll. RJ Haüy, don. by W Thomson)
- United Kingdom: NHM-London - Type: CT: BM 1960,629 (1 sample)

Sarcopside

Websky M: Zeits. deutsche Geol.Ges.(1868) 20, 245

Poland - Sudety Mts. - Michelsdorf (today Michalkowa)

- Poland: MMUWr-Wroclaw - Type: CT: (2 samples)
- France: MHN-Paris - Type: T: 69.16 (don.. M Websky)

Sarkinite

Sjögren A: GFF,(1885) 7, 724

Sweden - Värmland - Filipstad - Filipstad - Harstigen

- Sweden: SMNH-Stockholm - Type: HT: 85:0216

Sasaite

Martini JEJ: Min.Mag.(1978) 42, 401-404

South Africa - Transvaal (central part) - Carletonville - West Driefontein dolomitic Cave

- USA: NMNH-Washington - Type: T: 146835

Satpaevite

Ankinovich EA: ZVMO,(1959) 88, 157-164

Kazakhstan - Dzhabul'sk. Obl. - Karatau - Kurumsak and Balasauskandyk deposits

- Russia: VGM-Moscow - Type: T: 49850 (Ankinovich 1971)

Satterlyite

Mandarino JA, Sturman BD, Corlett MI: Can.Min.(1978) 16, 411-413

Canada - Yukon Territory - Big Fish River/Blow River area - Big Fish River

- USA: NMNH-Washington - Type: HT (part of): 145743
- Canada: ROM-Toronto - Type: HT (part of): M34649 (few g)

Sayrite

Piret P, Piret-Meunier J, Deliens M, Germain G: Bull.Minéral.(1983) 106, 299-304

Zaire - Shaba - Likasi - Shinkolobwe uranium mine

- Belgium: MRAC-KMMA-Tervuren - Type: HT: RGM 13.944 (a few tiny scales)

Sazhinite-(Ce)

Eskova EM, Semenov EI, Khomyakov AP, Kazakova ME, Shumyatskaya NG: ZVMO,(1974) 103, 338-341

Russia - Kola Peninsula - Lovozero massif - Karnasurt Mt. - Jubilejnaja pegmatite

- Russia: FMM-Moscow - Type::
- Russia: IMGRE-Moscow - Type::
- United Kingdom: NHM-London - Type: HT: BM 1994,008 (part of)

Sazykinaite-(Y)

Khomyakov AP, Nechelyustov GN, Rastsvetaeva RK: ZVMO,(1993) 122, n5, 76-82

Russia - Kola Peninsula - Khibiny massif - Koashava Mt.

- Russia: FMM-Moscow - Type: T:
- Russia: MM-St.Petersburg - Type: T:

In foidite

Sborgite

Cipriani C: Atti Accad.Lincei.Rend.Cl.Sci.fis.mat.nat., Roma (1957) ser.8, 22, 519-525

Italia - Toscana - Pisa - Val di Cecina - Larderello

- Italy: MMUFI-Firenze - Type: T: 16801/702 (few g)

Scales of pipes of the great geothermal plants (1927)

Scainiite

Orlandi P, Moelo Y, Meerschaut A, Palvadeau P: Eur.J.Min.(1999) 11, 949-954

Italia - Toscana - Lucca - Alpi Apuane, Stazzema (NE of) - Buca della Vena mine (N43 59'55", E2 09'31")

- France: ENSM-Paris - Type: T:
- Italy: MSNU-Pisa - Type: T: 15521/3

Scandiobabingtonite

Orlandi P, Pasero M, Vezzalini G: Amer.Min.(1998) 83, 1330-1334

Italia - Piemonte - Novara - Baveno - Montecatini granite quarry

- Italy: IMUGe-Genova - Type: T:
- Italy: MCSN-Milano - Type: T: M25794 and M29564 (don. G Nova, 1987 and 1994)
- Italy: MSNU-Pisa - Type: HT: (inform. A Guastoni)
- Canada: ROM-Toronto - Type: CT:

Scarbroite

Venon WV: Phil.Mag., 2nd ser.(1829) 5, 178

Great Britain - England - Yorkshire - Scarborough - South Bay

- United Kingdom: NHM-London - Type: CT: BM 1984,898

Schachnerite

Seeliger E, Mücke A: Neues Jahrb.Min.,Abh.(1972) 117, 1-18

Germany - Rheinland-Pfalz - Nordpfälzer Bergland, Donnersberg Kreis - Donnersberg Kreis, Obermoschel (near) - Vertrauen-auf-Gott mine

- USA: NMNH-Washington - Type: T: 150256A0 (with type of paraschachnerite)

Schafarzikite

Krenner JA: Akad.Ert.(1915) 26, 107 (title only)

Slovakia - Bratislava-vidiek - Malé Karpaty - Pernek

- Hungary: HNHM-Budapest - Type: CT: (destroyed in 1956)

TL at the time of description: Hungary, Pernek

Schäferite

Krause W, Blass, Effenberger H: Neues Jahrb.,Mh.(1999) 123-134

Germany - Rheinland-Pfalz - Eifel - Mayen (near) - Bellberg (Bellerberg) volcano

- Germany: RUB-Bochum - Type: T:

From a silicate-rich xenolite in a leucite-tephrite.

Schairerite

Foshag WF: Amer.Min.(1931) 16, 133-139

USA - California - San Bernardino County - Searles (Borax) Lake - Well G75

- USA: NMNH-Washington - Type: T: 096437 and 39 (don. U.S.Geol.Surv., 1931) and 112736 (don. WF Foshag, 1957)

Schallerite

Gage RB, Larsen ESm Vassar HC: Amrr.Min.(1925) 10, 9-11

USA - New Jersey - Sussex County - Franklin (700 feet below surface)

- USA: HMM-Cambridge - Type: T: 87106 (don. RB Gage, 1925)
- United Kingdom: NHM-London - Type: T: BM 1925,503
- USA: NMNH-Washington - Type: T: R06610 (don. RB Gage, thru Roebling coll., 1930)

Schaurteite

Strunz H, Tennyson CL: Mineral. Tabellen,(1966) 4th ed., p.515

Namibia - Otavi - Tsumeb

- France: ENSM-Paris - Type: CT:
- Germany: IMK-TU-Berlin - Type: HT: (is missing)
- USA: NMNH-Washington - Type: T: 144520

Schieffelinite

Williams SA: Min.Mag.(1980) 43, 771-773

USA - Arizona - Cochise County - Tombstone - Joe and Grand Central mines (on the dumps)

- France: MHN-Paris - Type: T: (don. SA Williams)
- United Kingdom: NHM-London - Type: CT: BM 1980,539 (Grand Central mine)
- USA: NMNH-Washington - Type: CT: R18474 (don. SA Williams, 1980; Joe mine)

Schizolite

Winther C: Meddr Gronland,(1899) 24, p. 196

Greenland - South Greenland - Narssaq (Narsaq) - Ilímaussaq Complex - Tugtup agtakôrfa

- Denmark: GMK-Copenhagen - Type: CT (chem., crist.): 1 (1 vial with powder and vial with crystals)
- France: MHN-Paris - Type: CT: 100.796 (original type III)

A manganoan pectolite with Ca:Mn near 2:1. (W.T. Schaller, Amer.Min.(1955) 40, 1022)

Schlossmacherite

Schmetzer K and Bank H: Zeitschr. deutsche gemmol.Ges.(1979) 28, 131-133

Chile - Antofagasta - Taltal Province - Guanaco (formerly Huanaco; near) - Emma Luisa mine

- Germany: MPI-Heidelberg - Type: HT: 10'11'13

Schmiederite

Olsacher J: MH Hey's Chem. Index Mineral., Appendix 1 (1962) p. 84

Argentina - La Rioja - Los Llantes Department - Condor mine

- United Kingdom: NHM-London - Type: CT: BM 1962,217
- USA: NMNH-Washington - Type: HT: 160487 (don. WW Pinch, 1984)

Schmitterite

Gaines RV: Amer.Min.(1971) 56, 411-415

Mexico - Sonora - Municipio de Moctezuma - Moctezuma - Moctezuma mine

- France: MHN-Paris - Type: T (part of): 175.80 (don. RV Gaines)
- USA: NMNH-Washington - Type: T: 120247 and 122475 (don. RV Gaines, 1967 and 1971)

Schneebergite

Krause W, Bernhardt HJ, Effenberger H, Witzke T: Eur.J.Min.(2002) 14, 115-126

Germany - Sachsen - Schneeberg (4.8km SW of) - Am Roten Berg (dumps of)

- Germany: SMMG-Dresden - Type: T: 18332Sa

Schoderite

Hausen DM: Amer.Min.(1962) 47, 637-648

USA - Nevada - Eureka County - Van-Nav-Sand claim (sect. 34, T16N, R52E)

- USA: NMNH-Washington - Type: T: 145791 (don. Univ. of Calif., A Pabst, 1979)

Schöllhornite

Okada A, Keil K, Leonard BF, Hutcheon ID: Amer.Min.(1985) 70, 638-643

Meteorite-USA - Kansas - Norton County (N39 41', W99 52') - Meteorite Norton County - Stone, Enstatite Achondrite, Aubrite

- USA: UNM-Albuquerque - Type: T:

Scholzite

Strunz H: Fortschr.Mineral.(1948) 27, 31

Germany - Bayern - Oberpfalz - Hagendorf pegmatites, Waidhaus (2km NW of) - Hagendorf-Süd

- United Kingdom: NHM-London - Type: CT: BM 1961,14
- USA: NMNH-Washington - Type: CT: 106411 (don. H. Strunz)
- Germany: SFAM-Regensburg - Type: HT: 4001 (specimen with mm sized cryst.)

Schoonerite

Moore PB and Kampf AR: Amer.Min.(1977) 62, 246-249

USA - New Hampshire - Grafton County - North Groton - Palermo nr. 1 mine

- USA: NMNH-Washington - Type: CT: 137019 (don. PB Moore, 1977)

Schorlomite

Shepard CU: Amer.J.Sci. 2nd ser.(1846) 2, 249-254

USA - Arkansas - Hot Spring County - Ozark Mountains - Magnet Cove

- USA: NMNH-Washington - Type: T: 128705 (CU Shepard coll., 1929)

Schreibersite

Patera A: W Haidinger Ber.Mitt. Freunde Naturwiss., Wien (1847) 3, 69

Meteorite-Slovakia - Arva (N49 20', E19 29') - Meteorite Magura - Iron, Octahedrite, IA

- Austria: NHMW-Wien - Type: HT: A.x.31 (1 sample, 55g)

Schreyerite

Medenbach O and Schmetzer K: Naturwiss.(1976) 63, 293-294

Kenya - Kwale distr. (coast) - Voi (S of) - Lasamba Hill (6km SE of)

- Germany: MPI-Heidelberg - Type: HT: 10 11 20
- Austria: NHMW-Wien - Type: T: L7597
- USA: NMNH-Washington - Type: T: 136230 (don. O Medenbach, 1977)

In korerupine-bearing rocks, isolated from a heavy fraction of rock

Schröckingerite

Schrauf A: Tschermaks Min.Mitt.(1873) II, 137-138

Czech Republic - Zapadocesky (Western Czechy) - Jachymov

- Austria: NHMW-Wien - Type: HT & NT: A.a.6740 (1 specimen)

TL of the first description: St. Joachimsthal, Western Bohemia

Schubnelite

Cesbron F: Bull.Soc.fr.Min.Crist.(1970) 93, 470-475

Gabon - Dept. Haut-Ogooué - Franceville - Mounana (U- and V-deposit)

- France: ENSM-Paris - Type: HT: (don. F Cesbron, 1972)
- France: MHN-Paris - Type: CT: 175.186 a/b (don. H-J Schubnel)
- United Kingdom: NHM-London - Type: CT: BM 1970,149 (one sample)
- USA: NMNH-Washington - Type: CT: 137457 (don. P Bariand, 1978)

From the zone of oxidation in the V-deposit

Schulingite-(Nd)

Vaes JF: Ann.Soc.Géol.Belg.(1947) 70, B 233-236

Zaire - Shaba - between Likasi and Kolwezi - Kasompi copper deposit

- Belgium: MRAC-KMMA-Tervuren - Type: NT: RGM 11.418 (chem.)

In the original description, REE were erroneously analysed as Ca (Piret P, Deliens M: Bull.Minéral.(1982) 105, 225-228)

Schulenbergite

Hodenberg R von, Krause W, Täuber H: Neues Jahrb.Min.,Mh.(1984) 17-24

Germany - Niedersachsen - Harz - Oberschulenberg (near) - Glücksrad mine (dumps of the)

- France: ENSM-Patis - Type: CT:
- Germany: MKPU-Hannover - Type: CT:

Schultenite

Spencer LJ: Min.Mag.(1926) 21, 149-155

Namibia - Otavi - Tsumeb

- France: ENSM-Paris - Type: CT:
- United Kingdom: NHM-London - Type: HT: BM 1926,205
- USA: NMNH-Washington - Type: T: 106356

Schumacherite

Walenta K, Dunn PJ, Hentschel G, Mereiter K: Tscherm.Min.Petr.Mitt.(1983) 31, 165-173

Germany - Sachsen - Erzgebirge - Schneeberg

- Germany: INKU-Stuttgart - Type: CT:
- USA: NMNH-Washington - Type: CT: 149596 (don. K. Walenta)

Schwertmannite

Bigham JM, Carlson L, Murad E: Min.Mag.(1994) 58, 641-648

Finland - Oulun Lääni - Pyhäsalmi base metal mine (N63 39.6', E26 02')

- Finland: GMU-Helsinki - Type: CT:

Related to the surface oxidation of metal sulfides

Scalarite

Grice JD and Dunn PJ: Amer.Min.(1989) 74, 1355-1359

USA - New Jersey - Sussex County - Franklin (in the late stage carbonates)

- Canada: CMN-Ottawa - Type: HT (part of): 53777
- USA: NMNH-Washington - Type: HT: B13671 (Bosch coll., 1965)

Scorodite

Breithaupt A: CAS Hoffmann's Handb.Mineral.(1818) 4, 182

Germany - Sachsen - Erzgebirge - Schwarzenberg - Stamm Asser mine ("Knochen" near Raschau)

- Germany: BAF-Freiberg - Type: T: 21244 (coll. Breithaupt, 1817)
- France: MHN-Paris - Type: CT (cris.): 104672/73 (Descloizeaux and Damour, 1844)

Scorzalite

Pecora WT and Fahey JJ: Amer.Min.(1948) 33, 205 (Proceedings of the 28 Ann.Meet.)

Brazil - Minas Gerais - Conselheiro Pena district - Conselheiro Pena (86km N of) - Corrego Frio pegmatite

- USA: HMM-Cambridge - Type: T: (don. U.S.Geol.Surv.)
- United Kingdom: NHM-London - Type: T: BM 1965,208
- USA: NMNH-Washington - Type: T: C05862 (don. ER Swoboda, thru Canfield coll., 1948)

See also WT Pecora and JJ Fahey in: Amer.Min.(1949) 34, 83-93 and 685-687

Scotlandite

Paar WH, Braithwaite RSW, Chen TT, Keller P: Min.Mag.(1984) 48, 283-288

Great Britain - Scotland - Larnakshire - Strathclyde, Leadhills area - Susanna vein

- Germany: IMKU-Stuttgart - Type: HT: NM13 (fragm. of a x)
- Austria: MIU-Salzburg - Type: T:
- United Kingdom: NHM-London - Type: T: BM 1982,451 (1 sample)
- Canada: ROM-Toronto - Type: CT: M39907
- United Kingdom: RMS-Edinburgh - Type: T:

Scrutinyite

Taggart JE, Foord EE, Rosenzweig A, Hanson T: *Can.Min.*(1988) 26, 905-910

USA - New Mexico - Socorro County - Bingham, Hansonburg Mining District - Bancharde Claim, Sunshine no. 1 Tunnel

- USA: NMNH-Washington - Type: HT: 165479 (don. U.S.Geol.Surv., JE Taggart, 1988)

Searlesite

Larsen ES and Hicks WB: *J.Washington Acad.Sci.*(1914) 4, 397-398

USA - California - San Bernardino County - Searles Lake - Searles Dry Well (540 feet depth)

- USA: HMM-Cambridge - Type: T: 101195 (don. WT Schaller)
- France: MHN-Paris - Type: CT: 116.115 (don. ES Larsen)
- USA: NMNH-Washington - Type: T: 093270, 094734, 124352 (don. WT Schaller, 1917-72) and R06457 (Roebbling coll., 1927)

Seeligerite

Mücke A: *Neues Jahrb.Min.,Mh.*(1971) 210-217

Chile - Antofagasta - Antofagasta (NE of) - Caracoles, Sierra Gorda - Mina Santa Ana

- Germany: IMK-TU-Berlin - Type: any type material is missed

Seelite

Bariand P, Bachet B, Brassy C, Medenbach O, Deliens M, Piret P: *Min.Rec.*(1993) 24, 463-467

France - Languedoc-Roussillon - Hérault dép. - Lodeve, near - Rabéjac U-deposit (=second TL)

- Belgium: IRSNB-Brussels - Type: CT: RC 4191 (Rabéjac)
- Iran - Esfahan - Anarak (35 km W of) - Talmessi Cu-Ni-Co-mine
- France: UPMC-Paris - Type: T:

Segelerite

Moore PB: *Amer.Min.*(1974) 59, 48-59

USA - South Dakota - Custer County - Black Hills, Custer (ca. 8.5km SW of) - Tip Top mine

- USA: NMNH-Washington - Type: HT: 127154 (don. PB Moore, 1973)

Segnitite

Birch WD, Pring A, Gatehouse BM: *Amer.Min.*(1992) 77, 656-659

Australia - New South Wales - Broken Hill - Kintore open cut (S31 58', E141 29')

- Australia: MOV-Melbourne - Type: HT & CT: M30044

Seidite-(Ce)

Khomyakov AP, Ferraris G, Belluso E, Britvin SN, Nechelyustov GN: *ZVMO*,(1998) 127, n4, 94-100

Russia - Kola Peninsula - Lovozero massif - Mt. Karnasurt - Yubileinaya pegmatite vein

- Russia: MM-St.Petersburg - Type: T: 2901/2

Seidozerite

Semenov EI, Kazakova ME, Simonov VI: *ZVMO*,(1958) 87, 590-597

Russia - Kola Peninsula - Lovozero massif - Seidozero area - Muruai and Uel'kuai rivers

- Russia: VGM-Moscow - Type: CT & T: 45148 and 46310 (Semenov 1958, 1959)

Seinäjokite

Mozgova NN, Borodaev YuS, Ozerova NA, Paakonon V, Sveshnikova OL, Balitskii VS, Dorogovin BA:

ZVMO,(1976) 105, 617-630

Finland - Vaasan Lääni - Seinäjoki (near) Sb-ore deposit near

- Russia: FMM-Moscow - Type: HT:

Sekaninaite

Stanek J and Miskovsky J: Scr.Fac.Sci.Nat. Ujep Brun.,geol.I (1975) no. 5, 21-30

Czech Republic - Jihomoravsky (Southern Moravia) - Velke Mezirici (N of) - Dolny Bory

- Czech Republic: MMBR-Brno - Type: HT: A6108

In the albite zone of pegmatites and gneisses.

Selenium

Palache C: Amer.Min.(1934) 19, 194-205 (203-205)

USA - Arizona - Yavapai County - Jerome - United Verde mine

- USA: NMBGMR-Socorro - Type: HT:

Seligmannite

Baumhauer H: Sitzungsber.Akad.Wiss.Berlin (1901) 6, 110-117

Switzerland - Wallis - Binnental - Lengenbach

- Switzerland: MPI-Fribourg - Type: HT: B618 (4 xx)
- France: MHN-Paris - Type: CT: 104.1159 (don RH Solly)

Ab Edenharter, W Nowacki, Takeuchi Y in: Zeitschr.Krist.(1970) 131, 397-417 (structure)

Sellaite

Struver JK: Atti Accad.Torino,(1868) 4, 35

France - Rhône-Alpes - Savoie dép. - Moutiers - Gebroulez glacier

- France: MHN-Paris - Type: T: 97.32, 180.52 (J. Struver)

Selwynite

Birch WD, Pring A, Foord EE: Can.Min.(1995) 33, 55-58

Australia - Victoria (NW) - Wycheproof (0.5km E of) - in pegmatite veins in a granite quarry (S36 05', E143 14')

- Australia: MOV-Melbourne - Type: HT & CT: M42492 and M42590

Semenovite

Petersen OV, Ronsbo JG: Lithos,(1972) 5, 163-173

Greenland - South Greenland - Narssaq (Narsaq) - Ilímaussaq Complex - Taseq Slope, Epi-Eudidymite vein

- Denmark: GMK-Copenhagen - Type: CT: 1972.1913-1915,1921,1924,1927 (2 small samples and various preparations)

Semseyite

Krenner JA: Math. és Term.Tud.Ért.(1881) 15, 11-113

Romania - Maramures - Gutâi Mts. - Baia Sprie

- Hungary: HNHM-Budapest - Type: HT & CT: (destroyed in 1956)

TL at the time of description: Hungary, Felsöbánya

Senaite

Hussak E and Prior GT: Min.Mag.(1898) 12, 30-32

Brazil - Minas Gerais - Diamantina district - (from diamond-bearing sands of the)

- France: MHN-Paris - Type: T: 101.319 (don. E Hussak)
- USA: NMNH-Washington - Type: T: R07241 (don. E Hussak, thru the Roebling coll., 1933)

Senegalite

Johan Z: Lithos,(1976) 9, 165-171

Senegal - Faleme basin (Senegal/Guinea/Mali border area) - Kouroudiako iron deposit

- France: ENSM-Paris - Type: HT: (Mission B.R.G.M., 1974)
- France: MHN-Paris - Type: T: (no. nr., don. Z Johan)

Serandite

Lacroix A: C.R.Acad.Sci. Paris (1931) 192, 189

Guinea - Conakry - Los Islands - Roma Island

- France: MHN-Paris - Type: CT: (no nr., a series of 9 specimens = types of A Lacroix)

Serendibite

Prior GT and Coomaraswamy AK: Nature (1902) 65, 383

Sri Lanka - Ambakotte (near) - Gangapitiya

- France: MHN-Paris - Type: T: 103.683 and 103.39 (don. AK Coomaraswamy)

Compare same authors in: Min.Mag.(1903) 13, 224

Sergeevite

Yakhontova LK, Plyusnina II, Stolyarova TI, Egorov-Tismenko YuK, Kuleshevich LV: ZVMO,(1980) 109, 217-223

Russia - Bolshoy Kavkaz - Tyrnyauz deposit

- Russia: FMM-Moscow - Type: T:

Serpierite

Des Cloizeaux A: Bull.Soc.fr.Min.(1881) 4, 92

Greece - Attica - Lavrion

- France: MHN-Paris - Type: T: 73.38 and 78.226 (don. Burat)

Serrabrancaite

Witzke T, Wegner R, Doering T, Pöllmann H, Schuckmann W: Amer.Min.(2000) 85, 847-849

Brazil - Paraiba - Pedra Lavrada (10km SW) - Serra Branca pegmatite

- Germany: BAF-Freiberg - Type: T: 78025
- Germany: MLU-Halle - Type: T: 010355

Shabaite-(Nd)

Deliens M, Piret P: Eur.J.Min.(1987) 1, 85-88

Zaire - Shaba - Kolwezi - Eastern Kamoto open pit

- Belgium: IRSNB-Brussels - Type: HT: RC 3.511 (a few mg)

Shabynite

Pertsev NN, Malinko SV, Vakhrushev VA, Fitsev BP, Sokolova EV, Nikitina IB: ZVMO,(1980) 109, 569-573

Russia - Irkutskaya Oblast - Angara-Ilim iron ore region - Korshunovskoye deposit, in skarn

- Russia: FMM-Moscow - Type: CT:
- USA: NMNH-Washington - Type: HT: 160483

Shadlunite

Evstigneeva TL, Genkin AD, Troneva NV, Filimonova AA, Tsepin AI: ZVMO,(1973) 102, 63-74

Russia - Krasnoyarskiy Kray - Noril'sk - Talnakh - Mayak mine

- Russia: FMM-Moscow - Type::

Shafranovskite

Khomyakov AP, Vrublevskaya ZV, Zvyagin BB, Mateeva NA, Piloyan GO: ZVMO,(1982) 111, 475-480

Russia - Kola Peninsula - Khibiny massif - Rasvumchorr Mt.

- Russia: FMM-Moscow - Type: T:
- Russia: GIKB-Apatity - Type: T:

In alkaline pegmatites

Shafranovskite

Khomyakov AP, Vrublevskaya ZV, Zvyagin BB, Mateeva NA, Piloyan GO: ZVMO,(1982) 111, 475-480
Russia - Kola Peninsula - Khibiny massif - Rasvumchorr Mt.

- Russia: MM-St.Petersburg - Type: T:
- Russia: VGM-Moscow - Type: T: 57772 (Khomyakov 1989)

In alkalic pegmatites

Shakhovite

Vasil'ev VI, Lavrent'ev YuG, Pal'chik NA: Geol.i Geofiz.(1980) p128-132
Russia - Buryatskaya A.R. - Kelyanskoye deposit

- Russia: CSGM-Novosibirsk - Type: T:

Kyrgystan - Khaidarkan Sb-Hg-deposit (N39 58', E71 15')

- Russia: CSGM-Novosibirsk - Type::

Tillmanns E, Krupp R, Abraham K: Tscherm.Min.Petr.Mitt.(1982) 30, 227-235

Germany - Rheinland-Pfalz - Nordpfälzer Bergland, Donnersberg Kreis - Donnersberg Kreis, Obermoschel (SE of) - Landsberg

- Germany: NMM-Mainz - Type: PT: G1982/43a (<1g)

A supergene Hg-Sb oxide

Shannonite

Roberts AC, Stirling JAR, Carpenter GJC, Criddle AJ, Jones GC, Birkett TC, Birch WD: Min.Mag.(1995) 59, 305-310

USA - Arizona - Graham County - Grand Reef mine

- United Kingdom: NHM-London - Type: HT (part of): BM 1993,487 (used for microprobe- and reflectance-data)
- Canada: GSC-Ottawa - Type: T: NMC 67216

Sharpite

Mélon J: Bull.Inst.roy.col.belge,(1938) 9, 333-336

Zaire - Shaba - Likasi - Shinkolobwe uranium mine

- Belgium: ULG-Liège - Type: HT: 6.280 and 16.905

Shattuckite

Schaller WT: Journ. Washington Acad.Sci.(1915) 5, 7

USA - Arizona - Cochise County - Bisbee - Shattuck mine

- France: MHN-Paris - Type: T: 119.236 (don. WT Schaller)
- USA: NMNH-Washington - Type: T: 087447 (don. U.S.Geol.Surv., 1915) and six type specimens more, four from the Roebling. coll.)

Sheldrickite

Grice JD, Gault RA, van Velthuizen J: Can.Min.(1997) 35, 181-187

Canada - Quebec - Rouville County - Mont Saint-Hilaire - Poudrette quarry

- Canada: CMN-Ottawa - Type: CT: CMNMI 81530, 81537-39 (4 pieces of matrix, 3 WDS probe mounts, 5 vials with approx. 27.5mg of fragments)

Sherwoodite

Thompson ME, Roach CH, Meyrowitz R: Amer.Min.(1958) 43, 749-755

USA - Colorado - Montrose County - Uravan district, Bull Canyon - Peanut mine

- USA: NMNH-Washington - Type: T: 115883 and 121951 (don. U.S.Geol.Surv., 1969)

Shibkovite

Pautov LA, Agakhanov AA, Sokolova EV: ZVMO,(1998) 127, n4, 89-94

Tadjikistan - Alai Range - Garmsky district - Dara-Pioz massif - pegmatite lode at the moraine (N39 30' E70 40')

- Russia: MSRI-Miass - Type: T:

Shigaite

Peacor DR, Dunn PJ, Kato A, Wicks FJ: N.Jahrb.Min.,Mh.(1985) 453-457

Japan - Honshu - Shiga Pref. - Ioi mine

- USA: NMNH-Washington - Type: HT & CT: 122089-02 (don. A Kato, 1969) and 122089-00/01 (don. A Kato, 1969)

Shkatulkalite

Men'shikov YuP, Khomyakov AP, Polezhaeva LI, Rastsvetaeva RK: ZVMO,(1996) 125, n1, 120-126

Russia - Kola Peninsula - Lovozero massif - Alluaiv Mt. - Shkatulka lode

- Russia: Gorny Institute-St.Petersburg - Type: T: 2869/3

Shomiokite-(Y)

Khomyakov AP, Shumyatskaya NG, Polezhaeva LI: ZVMO,(1992) 121, n6, 129-132

Russia - Kola peninsula - Lovozero massif - Alluaiv Mt. - Shomiok river

- Russia: FMM-Moscow - Type: T:
- United Kingdom: NHM-London - Type: HT: BM 1994,030 (part of)

Shortite

Fahey JJ: Amer.Min.(1939) 24, 514-518

USA - Wyoming - Sweetwater County - Green River Formation - John Jay Jr. no. 1 Well

- USA: HMM-Cambridge - Type: T: 98093 (don. U.S.Geol.Surv., JJ Fahey)

Shuangfengite

Yu Zuziang: Acta Mineral. Sinica (1994) 14/4, 322-326

China - Beijing, 190km NNE - Shuangfeng village

- China: NMG-Beijing - Type: T:

From placer concentrates and crushed ores from a chromite deposit near the village

Shuiskite

Ivanov OK, Arkhangelsaya VA, Miroshnikova LD, Shilova TA: ZVMO,(1981) 110, 508-512

Russia - Ural-Mid. - Nizhniy-Tagil, near - Saranovskoye dep., Bissersky mine

- Russia: FMM-Moscow - Type::
- Russia: Ural.Geol.Mus.-Miass - Type::

Sicherite

Graeser S, Berlepsch P, Makovicky E, Balic-Zunic T: Amer.Min.(2001) 86, 1087-1093

Switzerland - Wallis - Binntal - Lengenbach

- Switzerland: MPI-Basel - Type: CT: Number of the type specimen is lacking, (samples for X-ray, microprobe and ore microscopic studies)
- Switzerland: NMBA-Basel - Type: CT: Number of the type specimen is lacking

Sicklerite

Schaller WT: J. Washington Acad.Sci.(1912) 2, 145

USA - California - San Diego County - Queen Mountain - Stewart mine

- USA: NMNH-Washington - Type: T: 093653 (U.S.Geol.Surv., 1919; from Naylor-Vandenburg mine, near Pala)

Sidorenkite

Khomyakov AP, Semenov EI, Kazakova ME, Shumyatskaya NG: ZVMO,(1979) 108, 56-59

Russia - Kola Peninsula - Lovozero massif - Alluaiv Mt. - Umbozerskiy mine

- Russia: VGM-Moscow - Type: T: 51718 (Khomyakov 1980)

Sidpietersite

Roberts AC, Cooper MA, Hawthorne FC, Criddle AJ, Stanley CJ, Key CL, Jambor JL: Can.Min.(1999) 37, 1269-1273

Namibia - Otavi - Tsumeb

- Canada: GSC-Ottawa - Type: HT: NMC 68076
- United Kingdom: NHM-London - Type: HT: BM 1998,36 (pol. sect. used for reflect. study and Vickers microhardness determ.)

Sidwillite

Cesbron F and Ginderow D: Bull.Min.(1985) 108, 813-823

USA - Colorado - San Juan County - Lake Como

- France: ENSM-Paris - Type: T: (don. F Cesbron)

Sidwillite is an oxidation product of jordisite in a quartz vein

Sieleckiite

Birch WD, Pring A: Min.Mag.(1988) 52, 515-518

Australia - Queensland - Mount Isa (N) - Mt Oxide Copper mine (S19 29', E139 28')

- Australia: MOV-Melbourne - Type: CT: M38238, M38538
- Australia: SAM-Adelaide - Type: CT: G14180

Sigismundite

Demartin F, Gramaccioli CM, Pilati T, Sciesa E: Can.Mineral.(1996) 34, 827-834

Italia - Lombardia - Sondrio - Spluga Valley, Madesimo - Alpe Groppera (in phengitic quartz)

- Italy: Civic Mus.Nat.Hist.-Morbegno - Type: T:
- Italy: MCSN-Milano - Type: HT (part of): M29944 (don. P Gentile, 1997)

Sigloite

Hurlbut CS and Honea R: Amer.Min.(1962) 47, 1-8

Bolivia - Potosí Dep. - Colquechaca (NW of) - Llallagua - Siglo XX mine

- USA: HMM-Cambridge - Type: T: 107443 (don. R Honea)
- USA: NMNH-Washington - Type: T: 115320 (don. Harvard Univ., 1962)

Silinaite

Chao GY, Grice JD, Gault RA: Can.Min.(1991) 29, 359-362

Canada - Quebec - Rouville County - Mont Saint-Hilaire - Poudrette quarry

- Canada: CMN-Ottawa - Type: CT: 56467, 56468 (approx. 1g)
- Canada: ROM-Toronto - Type: CT: M44516 (few mg)

Sillenite

Frondel C: Amer.Min.(1943) 28, 521-535 (525-526)

Mexico - Durango

- USA: HMM-Cambridge - Type: HT: 83256 (described from HMM coll.)

Silvialite

Teertstra DK, Schindler M, Sherriff BL, Hawthorne FC: Min.Mag.(1999) 63, 321-329

Australia - Queensland (N) - McBride Province

- Canada: GSC-Ottawa - Type: HT: NMC 68080

A primary cumulate phase in upper-mantle garnet-granulite xenoliths

Simmonsite

Foord EE, O'Connor JT, Hughes JM, Sutley SJ, Falster AU, Soregarolli AE, Lichte FE, Kile DE: Amer.Min.(1999) 84, 769-772

USA - Nevada - Mineral County - Gillis Range - Zapot amazonite-topaz-zinnwaldite pegmatite

- USA: NMNH-Washington - Type: T: ?

In a late-stage breccia pipe structure that cuts the pegmatite.

Simonite

Engel P, Nowacki W, Balic-Zunic T, Scavnicar S: Zeitschr.Krist.(1982) 161, 159-166

Macedonia - Rozden (near) - Allchar deposit

- Switzerland: NMBE-Bern - Type: HT: B2920 (don. P Engel; two tiny grains)

Simonkollite

Schmetzer K, Schnorrer-Köhler G, Medenbach O: Neues Jahrb.Min.,Mh.(1985) 145-154

Germany - Hessen - Bebra (NE) - Richelsdorfer Gebirge - Bauhaus mining area

- Germany: MPI-Heidelberg - Type: CT: 101118 (1 spec.)
- Germany: MSU-Göttingen - Type: HT:

Simplotite

Thompson ME, Roach CH, Meyrowitz R: Science (1956) 123, 1078

USA - Colorado - Montrose County - Uravan district, Bull Canyon - Peanut mine

- USA: NMNH-Washington - Type: T: 115881 (don. U.S.Geol.Surv., 1963)

Simpsonite

Bowley H: Rep.Dept.Mines West.Austr.(1938) pp. 93, 88

Australia - Western Australia (NW) - Tappa Tappa (S20 40', E118 52')

- United Kingdom: NHM-London - Type: CT: BM 1938,487
- Australia: WAM-Perth - Type: T: MDC 1006 and MDC 1007(CT)

Compare the same author in J.Roy.Soc.West.Austr.(1939) 25, 89

Sincosite

Schaller WT: Progr.Abstr.,Min.Soc.Amer., 29th Ann. Meeting (1948) p. 6

Peru - Junin Dep. - Cerro de Pasco (near) - Minasragra, Sincos

- France: ENSM-Paris - Type: CT:
- USA: HMM-Cambridge - Type: T: 99139, 101699 (part of no. NMNH 095056, 1942)
- USA: NMNH-Washington - Type: T: 095056 (don. U.S.Geol.Surv., thru S Hutchinson, 1925)

Sinhalite

Claringbull GF and Hey MH: Min.Mag.(1952) 29, 841-849

Sri Lanka

- United Kingdom: NHM-London - Type: HT & T: BM 1952,36 and BM 67976, BM 1915,315/7, BM 1934,889, BM 1952,37 and others

Description based on specimens collected in gem-bearing gravels, stored in the NHM-London

Sinkankasite

Peacor DR, Dunn PJ, Roberts WL, Campbell TJ, Simmons WB: Amer.Min.(1984) 69, 380-382

USA - South Dakota - Pennington County - Keystone (E of) - Barker pegmatite (formerly known as Ferguson pegmatite)

- United Kingdom: NHM-London - Type: CT: BM 1984,611/3 (don. WL Roberts, 1983)
- USA: NMNH-Washington - Type: HT: 149597 (don. WL Roberts, 1983)

USA - New Hampshire - Grafton County - North Groton - Palermo mine (= second TL)

- USA: NMNH-Washington - Type: HT: 150461 (don. PB Moore, 1983)

Sinnerite

Marumo F and Nowacki W: Schweiz.Min.Petr.Mitt.(1964) 44, 439-454

Switzerland - Wallis - Binntal - Lengenbach

- Switzerland: NMBE-Bern - Type: HT: L2120-62

E Makovicky and BJ Skinner in: Amer.Min.(1975) 60, 998-1002 (structure)

Sitinakite

Men'shikov YuP, Sokolova EV, Egorov-Tismenko YuK, Khomyakov AP: ZVMO,(1992) 121, n1, 94-99

Russia - Kola Peninsula - Khibiny massif - Kukisvumchorr and Yukspor Mts.

- Russia: GIKB-Apatity - Type: T:
- Russia: MM-St.Petersburg - Type: T:
- United Kingdom: NHM-London - Type: HT: BM 1994,031 (part of)

In hydrothermal natrolite nodules in pegmatites

Sjögrenite

Frondel C: Progr.Abstr.Min.Soc.Amer.(1940) p. 6

Sweden - Värmland - Filipstad - Filipstad - Langban

- USA: HMM-Cambridge - Type: HT: 83907 (described from HMM coll.)

See also C Frondel in: Amer.Min.(1941) 26, 196-197 and 295-315

Skinnerite

Karup-Moller S, Makovicky E: Amer.Min.(1972) 59, 889-895

Greenland - South Greenland - Narssaq (Narsaq) - Ilímaussaq Complex - Kangerdluarssuk

- Denmark: GMK-Copenhagen - Type: CT: 1979.1121 (2 polished sections and 1 thin section)

Skippenite

Johan Z, Picot P, Ruhlmann F: Can.Min.(1987) 25, 625-638

Canada - Quebec - Otish Mountain basin

- France: ENSM-Paris - Type: HT:

From a vein-type U-deposit.

Skutterudite

Haidinger W: Handbuch der bestimmenden Mineralogie,(1845) first ed.,p. 560

Norway - Buskerud - Modum district - Skutterud

- Germany: BAF-Freiberg - Type: T: 3910 (7 samples from A Breithaupt)

Slavikite

Jirkovsky R and Ulrich F: Vestnik Starniho Geol. Ustavu Ceskoslov (1926) 2, 345-351

Czech Republic - Vychodocesky (Eastern Czechy) - Skrivany (near) - Valachov Hill

- Czech Republic: CUP-Praha - Type: HT: 8877 (100mg)

In Belgium (IRSNB-Brussels) exists a "type" specimen N2975, formerly named "Franquenite" (identical with Slavikite), belonging to R van Tassel (1944) Bull.Mus.Hist.Nat.Belg. 20, no. 16, p. 6

Smirnite

Spiridonov EM, Demina LA, Dolgikh VA, Antonina GM, Rakcheev AD, Bulgak LV, Lebedeva SI, Chvileva TN: DAN-SSSR,(1984) 278, 199-202

Armenia - Zod Au-deposit

- Russia: FMM-Moscow - Type: T:

Supergene, "in old burnt mine Zod-deposit"

Smithite

Solly RH: *Min.Mag.*(1905) 14, 72-82 (p. 74)

Switzerland - Wallis - Binntal - Lengenbach

- France: MHN-Paris - Type: CT: 104.1160 (RH Solly - "original, ayant servi à décrire l'espèce)
- United Kingdom: NHM-London - Type: T: Number of the type specimen is lacking

E Hellner and H Burzlaff in: Naturwissenschaften (1964) 51, 35-36

Smrkovecite

Ridkosal T, Sejkora J, Srein VI: *Neues Jahrb.Min.,Mh.*(1996) 97-102

Czech Republic - Mariánské Lázně, 10km NNE - Slavkovský Les Mts. - in old dumps in a small Ag-Bi-As-U deposit near Smrkovec

- Czech Republic: NMCR-Praha - Type: T: PIN 84596

Smythite

Erd RC and Evans HT: *J.Chem.Soc.,London*(1956) 78, p. 2017

USA - Indiana - Monroe County - Bloomington - Bloomington Crushed Stone quarry

- USA: HMM-Cambridge - Type: T: 106149 (don. U.S.Geol.Surv., thru HT Evans 1956)
- USA: NMNH-Washington - Type: T: 112704 (don. U.S.Geol.Surv., thru HT Evans 1957)

Sobolevite

Khomyakov AP, Kurova TA, Chistyakova NI: *ZVMO*,(1983) 112, 456-461

Russia - Kola Peninsula - Lovozero massif - Alluaiv Mt.

- Russia: FMM-Moscow - Type: T:
- Russia: GIKB-Apatity - Type: T:

Sobolevskite

Evstigneeva TL, Genkin AD, Kovalenker VA: *ZVMO*,(1975) 104, 568-579

Russia - Krasnoyarskiy Krai - Noril'sk - Talnakh - Oktyabr deposit

- Russia: FMM-Moscow - Type: T: (p.sect.)
- Russia: IGEM-Moscow - Type: T: (p.sect.)

Soddyite

Schoep A: *C.R.Acad.Sci.Paris*,(1922) 174, 1066-1067

Zaire - Shaba - Likasi - Shinkolobwe uranium mine

- France: MHN-Paris - Type: T: 122.122/3

Sodicferri clinoholmquistite

Caballero JM, Monge A, La Iglesia A, Tornos F: *Amer.Min.*(1998) 83, 167-171

Spain - Madrid - Sierra de Guadarrama (Madrid, N of) - Manzanares El Real (N of) - Pedriza massif (N40 40'~, W4 09'~)

- Spain: MNCN-Madrid - Type: HT: FERRI-E-1 (grain conc.), FERRI-E-2 (powdered sample)

Sodicferripedrize

Oberti R, Caballero JM, Ottolini L, Lopez-Andres S, Herreros V: *Amer.Min.*(2000) 85, 578-585

Spain - Madrid - Sierra de Guadarrama (Madrid, N of) - Manzanares El Real (N of) - Pedriza massif (N40 40'~, W4 09'~)

- Spain: MNCN-Madrid - Type: HT: MNCN-18342

Sodiumbetpakdalite

Skvortsova KV, Sidorenko GA: *ZVMO* (1971) 100/5, 603-611

Kazakhstan - Balkhash region (SW of) - Chu-Ili Mts. - Kyzylsai Mo-U-deposit (in the oxidized zone)

- Russia: FMM-Moscow - Type: T: 74275-76
- Russia: MM-St.Petersburg - Type: T: 1883/1

Sodiumpharmacosiderite

Peacor DR and Dunn PJ: *Min.Record* (1985) 16, 121-124

Australia - Western Australia (central part) - Kalgoorlie (NW of) - Marda (S30 15', E119 15')

- USA: NMNH-Washington - Type: HT: 146392

Sodiumphlogopite

Schreyer W, Abraham K, Kulke H: *Fortschritte Min.*(1980) 58, Beih. 1, 120-121

Algeria - Tell Atlas - Ksar el Boukhari (35km W of) - Derrag

- USA: NMNH-Washington - Type: T: 147361A0 (don. O Medenbach, 1980; on same specimen with type Kulkeite)

Söhngeite

Strunz H: *Naturwissenschaften*,(1965) 52, 493

Namibia - Otavi - Tsumeb

- Germany: IMK-TU-Berlin - Type: HT/CT: 86/68, 89/122 (sev. cryst. aggr. up to 5.5mm in size)

Solongoite

Malinko SV: *ZVMO*,(1974) 113, 117-121

Russia - Buryatskaya A.R. - Solongo contact-metamorphic Boron-deposit, in a drill core from 400 m depth

- Russia: FMM-Moscow - Type: T:

Sonoraite

Gaines RV, Donnay G, Hey HM: *Amer.Min.*(1968) 53, 1828-1832

Mexico - Sonora - Municipio de Moctezuma - Moctezuma - Moctezuma mine

- United Kingdom: NHM-London - Type: CT: BM 1967,390
- USA: NMNH-Washington - Type: T: 119271 (don. RV Gaines, 1966)

Sopcheite

Orsoev DA, Rezhnova SA, Bogdanova AN: *ZVMO*,(1982) 111, 114-117

Russia - Kola Peninsula - Monchegorsk pluton - Sopcha massif

- Russia: GIKB-Apatity - Type::

In Cu-Ni-ores

Sophiite

Vergasova LP, Filatov SK, Semenova TF, Filosophova TM: *ZVMO*,(1989) 118, n1, 65-69

Russia - Kamchatka - Tolbachik main fracture eruption

- Russia: MM-St.Petersburg - Type::

Collected at temperatures from 180-230 C in volcanic sublimates

Sorbyite

Jambor JL: *Can.Min.*(1967) 9, 7 and 191-213

Canada - Ontario - Hastings County - Huntingdon Township, Lot 13, Con. XIV - Madoc, Taylor pit

- Canada: GSC-Ottawa - Type: CT: 12166, 61065
- Canada: ROM-Toronto - Type: CT: M35892 (pol. sect., <1mg)

Sorensenite

Semenov EI, Gerassimovsky VI, Maksimova NV, Andersen S, Petersen OV: *Meddr Gronland*,(1965) 181, 1, 1-19

Greenland - South Greenland - Narssaq (Narsaq) - Ilimaussaq Complex - Kvanefeld & "Nakalaq"

- Denmark: GMK-Copenhagen - Type: CT: (Several samples, vial with fragments, several thin sections and 1 crystal)

Sorosite

Barkov AY, Laajoki KVO, Gornostayev SS, Pakhomovskii YA, Men'shikov YuP: *Amer.Min.*(1998) 83, 901-906
Russia - Magadan Oblast - Chukotka - Baimka gold placer deposit

- Russia: MM-St.Petersburg - Type: T: 2083/1

Sosedkoite

Voloshin AV, Melnikov YuP, Pakhomovskii YaA: *DAN-SSSR*,(1982) 264, 442-445
Russia - Kola Peninsula - Voronya Tundra

- Russia: FMM-Moscow - Type: T:
- Russia: GIKB-Apatity - Type: T:

In granite-pegmatites

Soucekite

Cech F and Vavrin I: *Neues Jahrb.Min.,Mh.*(1979) 289-295
Czech Republic - Zapadocesky (Western Czechy) - Tachov (near) - Oldrichov

- Czech Republic: CUP-Praha - Type: HT: 21241 (grains, pol. sect.)
- France: ENSM-Paris - Type: HT: (part of; don. F Cech, 1974)

In hydrothermal quartz-carbonate veins.

Souzalite

Pecora WT and Fahey JJ: *Amer.Min.*(1948) 33, 205 (Proceedings of the 28 Ann.Meet.)
Brazil - Minas Gerais - Conselheiro Pena district - Conselheiro Pena (86km N of) - Corrego Frio pegmatite

- USA: HMM-Cambridge - Type: T: 100680 (don. U.S.Geol.Surv.)
- USA: NMNH-Washington - Type: T: C05863 (don. ER Swoboda, thru Canfield coll., 1948) and 160114 (don. U.S.Geol.Surv., thru ME Mrose, 1983)

See also WT Pecora and JJ Fahey in: Amer.Min.(1949) 34, 83-93

Spadaite

Von Kobell F: *Gelehrte Anz. München* (1863) 17, 945
Italia - Lazio - Roma - Colli Albani - Capo di Bove

- USA: HMM-Cambridge - Type: T: 87594 (AF Holden coll. from WF Ferrier)

Spangolite

Penfield SL: *Amer.Journ.Sci.*(1890) ser. 3, 39, 370
USA - Arizona - Cochise County - Tombstone

- United Kingdom: NHM-London - Type: T: BM 74108
- USA: NMNH-Washington - Type: T: 083512 (don. SL Penfield, 1895)

Spencerite

Walker TL: *Nature*,(1916) 97, 375 and *Min.Mag.*(1917) 18, 76-83
Canada - British Columbia - West Kootenay District - Nelson, Salmo (8km SE of) - Hudson Bay Zn-mine

- France: MHN-Paris - Type: MT: 120.22 (don. TL Walker)
- USA: NMNH-Washington - Type: MT: 121566
- Canada: ROM-Toronto - Type: MT: M9602 (sev. g), M9610, M9691, M9726

Spertiniite

Grice JD, Gasparrin E: *Can.Min.*(1981) 19, 337-340
Canada - Quebec - Richmond County - Shiptown Township - Asbestos - Jeffrey mine

- Canada: CMN-Ottawa - Type: CT: 44696-44699 (sev. mg)

Sphaerocobaltite

Weisbach A: Jahrb. Berg- und Hüttenwesen, Abh.(1877) p. 53

Germany - Sachsen - Erzgebirge - Schneeberg - Neustädtel

- Germany: BAF-Freiberg - Type: T: 15177 (coll. Weisbach, 1877)

Spheniscidite

Wilson MJ and Bain DC: Min.Mag.(1986) 50, 291-293

Antarctica - British Antarctic Territory - South Shetland Islands (E-end of the) - Elephant Island (S61 30'~, W55 ~)

- United Kingdom: MISR-Aberdeen - Type: CT:
- United Kingdom: NHM-London - Type: CT:

Derived from chloritic phyllites in an ornithogenetic soil associated with a penguin rookery

Spionkopite

Goble RJ: Can.Min.(1980) 18, 511-518

Canada - Alberta (SW) - Yarrow Creek and Spionkop Creek deposit - Yarrow Creek

- Canada: GSC-Ottawa - Type: CT: 61551

Spionkopite and yarrowite were previously called "blaubleibender covellite".

Spiroffite

Mandarino JA: Amer.Min.(1962) 47, 196

Mexico - Sonora - Municipio de Moctezuma - Moctezuma - Moctezuma mine

- France: MHN-Paris - Type: T: 175.79 (don. RV Gaines)
- Canada: ROM-Toronto - Type: CT: M24879 (ca. 1g)

Springcreekite

Kolitsch U, Taylor MR, Fallon GD, Pring A: Neues Jahrb.Min.,Mh.(1999) 529-544

Australia - South Australia - Flinders Range (S) - Wilmington (near) - Spring Creek Cu-mine (S32 41', E137 07')

- Australia: SAM-Adelaide - Type: HT & CT: G24353 and G24352

Spurrite

Wright FE: Amer.J.Sci., ser. 4 (1908) 26, 547-554

Mexico - Durango - Municipio de Cuencame - Velardeña

- France: MHN-Paris - Type: T: 109.396
- United Kingdom: NHM-London - Type: HT (part of): BM 1923,1032
- USA: NMNH-Washington - Type: HT: 86532 (don. FE Wright)

Squawcreekite

Foord EE, Hlava PF, Fitzpatrick JJ, Erd RC, Hinton RW: Neues Jahrb.,Mh.(1991) 363-384

USA - New Mexico - Catron County - Squaw Creek (N-side of) - Black Range Tin district (N33 28'50", W107 57'30")

- USA: NMNH-Washington - Type: HT: 166614

Srebrodolskite

Chesnokov BV, Bazhenova LF: ZVMO,(1985) 114, 195-199

Russia - Ural-S - Chelyabinsk - Chelyabinsk coal basin - Kopeysk

- Russia: FMM-Moscow - Type: :

In petrified wood baked by burning coal

Srilankite

Willgallis A, Siegmann E, Hettiaratchi T: Neues Jahrb.Min.,Mh.(1983) 151-157

Sri Lanka - Sabaragamuva Province - Rakwana gemstone mine

- USA: NMNH-Washington - Type: T: 165370 (don. A Willgallis, 1987)

Stainierite

Cuvelier V: *Natuurwet.Tijdschr.Gent*,(1929) 11, 170

Zaire - Shaba - Likasi - Mindigi copper-cobalt open pit

- Belgium: MRAC-KMMA-Tervuren - Type: CT: RGM 10.800

Discredited name. Syn. of heterogenite-3R

Stalderite

Graeser S, Schwander H, Wulf R, Edenharter A: *Schweiz.Min.Petr.Mitt.*(1995) 75, 337-345

Switzerland - Wallis - Binntal - Lengenbach

- Switzerland: MPI-Basel - Type: CT: S102 (prep. for XRD, SEM)
- Switzerland: NMBA-Basel - Type: HT: 30605 (1 specimen)

Stanekite

Keller P, Fontan F, Velasco Roldan F, Melgarejo i Draper JC: *Eur.J.Min.*(1997) 9, 475-482

Namibia - Karibib district - Okatjimukuju farm - Clementine II pegmatite

- France: ENSM-Paris - Type: HT: 45634
- Germany: IMKU-Stuttgart - Type: HT: NM 19

Stanleyite

Livingstone A: *Min.Mag.*(1928) 45, 163

Peru - Junin Dep. - Cerro de Pasco (near) - Minasragra (in V-ores)

- USA: NMNH-Washington - Type: T: 160386 (don. Royal Scottish Mus., thru A Livingstone; specimen in refrigerator)

Stannoidite

Kato A: *Bull.Nat.Sci.Mus.Tokyo* (1969) 12, 165-172

Japan - Honshu - Okayama Pref. - Aida Mito-cho - Konjo mine

- France: ENSM-Paris - Type: CT: (don. A Kato, 1970, no. 22545)
- USA: NMNH-Washington - Type: T: 121005 (don K Sakurai, 1968)
- Japan: NSM-Tokyo - Type: T: M-16183 (1 sample)
- Japan: YU-Yamaguchi - Type: T:

Starkeyite

Grave OR: *Missouri Geol.Surv. and Water Resources, ser.2*(1945) 30, 209-210

USA - Missouri - Madison County - Starkey mine

- USA: NMNH-Washington - Type: T: 105610 (don. U.S.Geol.Surv., 1947)

Steacyite

Perrault G, Szymanski JT: *Can.Min.*(1982) 20, 59-63

Canada - Quebec - Rouville County - Mont Saint-Hilaire

- Canada: EP-Montreal - Type: CT: EP 12480
- Canada: GSC-Ottawa - Type: CT: 61529 (micro xx)
- United Kingdom: NHM-London - Type: CT: BM 1970,168
- USA: NMNH-Washington - Type: T: 149820 (don. G Perrault)

Steigerite

Henderson EP: *Amer.Min*(1935) 20, 769-772

USA - Colorado - San Miguel County - Gypsum Valley - Sullivan Brothers claim

- USA: NMNH-Washington - Type: T: C05108 (EP Henderson, thru Canfield coll., 1933)

Stellerite

Morozewicz JA: Bull.Inter.Acad.Sci.Cracovie (1909) p. 344

Russia - Yakutiya - Bering Sea - Commander Islands - Copper Island (NW Cape of)

- United Kingdom: NHM-London - Type: HT (part of): BM 1934,550

Stenhuggarite

Moore PB: Arkiv Min.Geol.(1970) 5, 55-62

Sweden - Värmland - Filipstad - Filipstad - Langban

- United Kingdom: NHM-London - Type: CT: BM 1969,117
- USA: NMNH-Washington - Type: CT: 120066

In Can.Min.(1967) 9, 301 only name

Stenonite

Pauly H: Meddr Gronland,(1962) 169, 9, 1-24

Greenland - South Greenland - Ivigtut (Ivittuut) - Ivigtut Cryolite deposit / mine

- Denmark: GMK-Copenhagen - Type: CT: 1965.16-22, 1981.1016-1018,1021,1060 (Several samples, vials with fragments and powder and thin sections)
- France: MHN-Paris - Type: T: (H. Pauly)
- United Kingdom: NHM-London - Type: CT: BM 1966,536

Sterlinghillite

Dunn PJ: Amer.Min.(1981) 66, 182-184

USA - New Jersey - Sussex County - Ogdensburg - Sterling Hill mine

- USA: NMNH-Washington - Type: HT: 147269 (don. FJ Parker, 1980)

Sterryite

Jambor JL: Can.Min.(1967) 9, 7 and 191-213

Canada - Ontario - Hastings County - Huntingdon Township, Lot 13, Con. XIV - Madoc, Taylor pit

- Canada: GSC-Ottawa - Type: CT: 12169 (pol. sect.) 12172, 61066
- USA: NMNH-Washington - Type: T: 160258
- Canada: ROM-Toronto - Type: CT: M35891, M35894 (pol. sect., >1mg)

Stewartite

Schaller WT: J. Washington Acad.Sci.(1912) 2, 143-145

USA - California - San Diego County - Pala, Queen Mountain - Stewart mine

- USA: NMNH-Washington - Type: T: 093656 (don. U.S.Geol.Surv., 1919)

Stibiobetafite

Cerny P, Hawthorne FC, Laflamme JHG, Hinthorne JR: Can.Min.(1979) 17, 583-588

Czech Republic - Jihomoravsky (Southern Moravia) - Rozna (SE of) - Vezna

- Canada: ROM-Toronto - Type: CT: M35630 (a few mg)

The mineral is intergrown with columbite, Nb-rutile, cassiterite and zircon.

Stibiocolusite

Spiridonov EM, Badalov AS, Kovachev VV: DAN,(1992) 324, n2, 411-414

Uzbekistan - Kuraminskiy Mts. - Kaygarach Au-deposit, Chelopech

- Russia: FMM-Moscow - Type: T:

Stibiomicrolite

Quensel P, Berggren T: GFF,(1938) 60, 216

Sweden - Västerbotten - Skelleftea - Skelleftea - Varuträsk

- France: MHN-Paris - Type: T: 139984 (P. Quensel)

Stibiotantalite

Goyder GA: J.Chem.Soc.Trans.(1893) 53, 1076

Australia - Western Australia (SW) - Greenbushes tin placers (S33 45', E116 05')

- USA: HMM-Cambridge - Type: T: 87844 and 111954 (AF Holden coll., from L. Cahn)
- Australia: WAM-Perth - Type: T: MDC 550 (2kg)

Stibivanite

Kaiman S, Harris DC, Dutrizac JE: Can.Min.(1980) 18, 329-332

Canada - New Brunswick - York County - Prince William Parish - Lake George Sb-deposit (453 stope, Consolidated Durham Mines and Resources Ltd.)

- Canada: CMN-Ottawa - Type: MT: 44654-44658 (4 matrix pieces, 5 probe mounts)
- Canada: GSC-Ottawa - Type: CT: 61523-61525 (sev. mg)
- United Kingdom: NHM-London - Type: CT: BM 1984,369/370
- Canada: ROM-Toronto - Type: CT: M36642 (a few mg)

Stibivanite-2O

Merlino S, Orlandi P, Perchiazzi N, Basso R, Palenzona A: Can.Min.(1989) 27, 625-632

Italia - Toscana - Lucca - Alpi Apuane, Stazzema (NE of) - Buca della Vena mine

- Italy: MSNU-Pisa - Type: HT: 4880 (1 sample, stud. xx)

Stichtite

Petterd WF: Catal. Minerals of Tasmania, 3rd ed.(1910) p. 167

Australia - Tasmania - Dundas - Adelaide Proprietary mine (S41 47', E144 57')

- France: MHN-Paris - Type: CT:

Stillwaterite

Cabri LJ, Laflamme JHG, Rowland JF, Chen TT: Can.Min.(1975) 13, 321-335

USA - Montana - Stillwater County - Stillwater Complex - Beartooth Mountains (N-margin)

- United Kingdom: NHM-London - Type: CT: BM 1979,129
- USA: NMNH-Washington - Type: CT: 132500 (don. LJ Cabri)
- Canada: ROM-Toronto - Type: CT: M33559 (<1mg)

Stillwellite-(Ce)

McAndrew J and Scott TR: Nature (1955) 176, 509

Australia - Queensland - Mount Isa (E of) - Mary Kathleen lease (S20 44', E139 29')

- USA: NMNH-Washington - Type: T: 113038

First described as stillwellite

Stilpnomelane

Glocker EF: Beitr.mineral. Kenntnis Sudetenländer (1827) pt. 1, p. 68

Poland - Lower Silesia - Obergrund (today = ??)

- Poland: MMUWr-Wroclaw - Type: T (?):

A second TL perhaps in Czech Republic

Stoiberite

Thompson W: Rocks & Minerals

El Salvador - Izalco Volcano - Fumaroles (fumarolic sublimate)

- USA: NMNH-Washington - Type: T: 144942 (don. Dartmouth College, through RW Birnie, 1979)

Compare RW Birnie and JM Hughes in: Amer.Min.(1979) 64, 941-944

Stoppaniite

Ferraris G, Prencipe, Rossi P: Eur.J.Min.(1998) 10, 491-496 (crystal structure)

Italia - Lazio - Viterbo - Vico Volcanic district, Ronciglione (5km SW of) - Capranica (in a ejectum near)

- Italy: MMURo-Roma - Type: T: 29900/1
- France: MHN-Paris - Type: CT: 198.14

A complete mineralogical description will appear by Rossi et al.

Stottite

Strunz H, Söhngé G, Geier BH: Neues Jahrb.Min.,Mh.(1958) 85-96

Namibia - Otavi - Tsumeb (level 30 = 1000m)

- France: ENSM-Paris - Type: CT:
- Germany: IMK-TU-Berlin - Type: HT: 86/62, 86/62 (2 xx up to 1cm, 19 xx up to 2mm)

Strakhovite

Kalinin VV, Pushcharovskii DYu, Yamnova NA, Dikov YuP, Borisovsky SE: Zap.Vses.Min.Obsh.(1994) 123, n4, 94-97

Russia - Khabarovsk - Taikan ridge - Ir-Nimi manganese deposit

- Russia: FMM-Moscow - Type: T:

Stranskiite

Strunz H: Naturwissenschaften,(1960) 47, 376

Namibia - Otavi - Tsumeb (level 1000m)

- Germany: IMK-TU-Berlin - Type: HT & CT: 86/63, 86/64 and 88/14 (spec. with needle-shaped xx up to 1cm long and loose mat.)

Strashimirite

Mincheva-Stefanova I: ZVMO (1968) 97, 470-477

Bulgaria - Stara-Planina (western) - Zapachitsa Cu-deposit

- Bulgaria: NHMSo-Sofia - Type: CT:
- Bulgaria: UMGSo-Sofia - Type: CT:

Strätlingite

Hentschel G, Kuzel HJ: Neues Jahrb.Min.,Mh.(1976) 326-330

Germany - Rheinland-Pfalz - Eifel - Laacher lake volcano area, Mayen (2km N of) - Bellerberg

- USA: NMNH-Washington - Type: T: 137064 (don. G. Hentschel)
- Germany: UE-Erlangen - Type: T:

In Ca-rich xenoliths of the quaternary volcano.

Strelkinite

Alekseeva MA, Chernikov AA, Shashkin DP, Khomkov EA, Garilova IN: ZVMO,(1974) 103, 576-580

Kazakhstan - Alma Ata, WNW of - Chu-Ili Mts. - Bota-Burum deposit

- Russia: FMM-Moscow - Type::

Strengite

Nies A: Neues Jahrb.Min.(1877) 8-16

Germany - Hessen - Giessen (NW) - Biebental - Eleonore mine (at the Dünsberg)

- France: MHN-Paris - Type: T: 78.54 (don. A. Nies)
- Germany: NMM-Mainz - Type: HT: M1989/709 (approx. 1g)

Stringhamite

Hindman JR: *Amer.Min.*(1976) 61, 189-192

USA - Utah - Beaver County - Rocky District - Bawana mine

- United Kingdom: NHM-London - Type: CT: BM 1976,421
- USA: NMNH-Washington - Type: T: 128031 (don. JR Hindman, 1974)

Stronalsite

Matsubara S: *Bull.Nat.Sci.Mus.Tokyo* (1985) ser C, 11, 37-95

Japan - Shikoku - Kochi Pref. - Rendai serpentinite quarry

- USA: NMNH-Washington - Type: CT: 160484 (don. WW Pinch, 1984)
- Japan: NSM-Tokyo - Type: CT: M-24394

Strontiochevkinite

Haggerty SE, Mariano AN: *Contr.Min.Petr.*(1983) 84, 365-381

Paraguay - Parana - Sarambi carbonate complex - Conception and Amambay deposits

- United Kingdom: NHM-London - Type: CT: BM 1984,482
- USA: NMNH-Washington - Type: CT: 161154 (don. AN Mariano, 1984)

Strontiodresserite

Jambor JL, Sabina AP, Roberts AC, Sturman BC: *Can.Min.*(1977) 15, 405-407

Canada - Quebec - Montreal Island - St. Michel - Francon quarry

- Canada: GSC-Ottawa - Type: CT: 13704 (a few mg)
- Canada: ROM-Toronto - Type: CT: M34626, M34627 (a few mg)

Strontioiginorite

Braitsch O: *Beitr.Min.Petr.*(1959) 6, 366-370

Germany - Niedersachsen - Göttingen (near) - Reyershausen - Königshall-Hindenburg mine

- USA: NMNH-Washington - Type: T: 114168

Compare J.A. Konnert, J.R. Clark, C.L. Christ in: Amer.Min.(1970) 55, 1911-1930

Strontiojoaquinite

Wise WS: *Amer.Min.*(1982) 67, 809-816

USA - California - San Benito County - San Benito Mountain (near), New Idria area - Mina Numero Uno

- USA: HMM-Cambridge - Type: CT: 119526 (don. WS Wise, 1982)
- USA: NMNH-Washington - Type: CT: 149429 (Univ. California, Santa Barbara, thru WS Wise, 1982)
- USA: UCSB-Santa Barbara - Type: T:

Strontiomelane

Meisser N, Perseil E-A, Brugger J, Chiappero P-J: *Can.Min.*(1999) 37, 673-678

Italia - Valle d'Aosta - Aosta (E of), Saint-Marcel (5km S of) - Praborna mine

- Switzerland: GML-Lausanne - Type: HT: MGL 58770
- France: MHN-Paris - Type: CT: SM 7090.96

Strontioorthojoaquinite

Chihara K, Komatsu M, Mizota T: *Min.Journ.Jap.*(1974) 7, 395-399 (unnamed)

Japan - Honshu - Niigata Pref. - Ohmi

- Japan: NU-Niigata - Type: T:

Wise WS in: Amer.Min.(1982) 67, 809-816 (naming of the new species)

Strontio Piemontite

Bonazzi P, Menchetti S, Palenzona A: *Eur.J.Min.*(1990) 2, 519-523

Italia - Liguria - Genova - Val Graveglia (NE of Lavagna) - Molinello mine

- Italy: MMUFI-Firenze - Type: HT: 1266/I

Strontiowhitlockite

Britvin SN, Pakhomovskii YaA, Bogdanova AN, Skiba VI: *Can.Min.*(1991) 29, 87-93

Russia - Kola Peninsula - Kovdor massif - (N67 35', E30 20')

- Russia: FMM-Moscow - Type: HT: 558 (1-2mg)
- Russia: MM-St.Petersburg - Type: CT: (used for microprobe analysis)

Strontiumapatite

Efimov AF, Kravchenko SM, Vasileva ZV: *DAN-SSSR*,(1962) 142, 439-442

Russia - Yakutiya-SW - Aldan shield - Inagli massif

- Russia: VGM-Moscow - Type: T: 48010 (Efimov 1964)

Strüverite

Zambonini F: *Rend.Accad.Sci.fis.mat.*, Napoli (1907) ser.3, 13, 35

Italia - Piemonte - Novara - Valle d'Ossola, Valle Vigezzo - Craveggia

- France: MHN-Paris - Type: CT (chem.): 108.371 (don. F Zambonini)

Struvite

Ulex GL: *Oefv.Kon.Vet.Akad.Stockh.*(1846) 58, 99-101

Germany - Hamburg - Nicolai church

- Germany: MPI-Hamburg - Type: HT & CT: (numerous crystals)

See also G.L. Ulex in: Ann.Chem.Pharmac.(1846) 58, 99-101

Stumpflite

Johan Z, Picot P: *Bull.Soc.fr.Min.Crist.*(1972) 95, 610-613

South Africa - Eastern Transvaal - Burgersfort District - Sekhukhuneland - Driekop mine

- France: BRGM-Orleans - Type: HT: (polished section)
- France: ENSM-Paris - Type: HT(part of):

found in the Bushfield Complex

Sturmanite

Peacor DR, Dunn PJ, Duggan M: *Can.Min.*(1983) 21, 705-709

South Africa - Northern Cape Province - Kuruman District - Kalahari Manganese Field - Black Rock mine

- USA: NMNH-Washington - Type: HT: 148261

Sudburyite

Cabri LJ, Laflamme JHG: *Can.Min.*(1974) 12, 275-279

Canada - Ontario - Sudbury district - Snider Township, Lot 1, Con. 1 - Copper Cliff South mine

- Canada: ROM-Toronto - Type: CT: M32841 (pol sect., <1mg)

Suessite

Keil K, Berkley JL, Fuchs LH: *Meteoritics* (1980) 15, 312-313

Meteorite-Australia - Western Australia, North Haig, Sleeper Camp (21km N of) (S30 26', E126 13') - Meteorite North Haig - Stone, Achondrite, Ureilite, (polymict)

- USA: UNM-Albuquerque - Type: HT:

Compare same authors in. Amer.Min.(1982) 67, 126-131 - *Suessite occurs as anhedral vein fillings in interstitial cracks, in silicates, and in carbonaceous material*

Sugilite

Murakami N, Kato T, Miura Y, Hirowatari F: *Min.Journ.Japan* (1976) 8, 110-121 and 184-192

Japan - Shikoku - Ehime Pref. - Iwagi Islet

- United Kingdom: NHM-London - Type: CT: BM 1975,342
- USA: NMNH-Washington - Type: CT: 133982 (don. NSM, thru A Kato, 1975)
- Japan: NSM-Tokyo - Type: CT: M-15715 (1 sample)

Sulvanite

Goyder GA: Trans.Roy.Soc.South Austr.(1900) 74, 69

Australia - South Australia - Burra (S of) - Edelweiss mine (S33 50', E139 00')

- France: MHN-Paris - Type: CT: 101.112, 101.370 (don. GA Goyder)

Sundiussite

Dunn PJ, Rouse RC: Amer.Min.(1980) 65, 506-508

Sweden - Värmland - Filipstad - Filipstad - Langban

- USA: HMM-Cambridge - Type: HT: 117086 (don. PJ Dunn, part of NMNH no. 134984)
- United Kingdom: NHM-London - Type: HT (part of): BM 1980,580
- USA: NMNH-Washington - Type: CT: 134984
- Canada: ROM-Toronto - Type: T: M 36619

Sundtite

Brogger WC: Zeitschrift Kryst.Min.(1892) 21, 193

Bolivia - Oruro Dep. - Itos mine

- United Kingdom: NHM-London - Type: CT: BM 82966

Discredited name = syn. of andorite

Suredaite

Paar WH, Miletich R, Topa D, Criddle AJ, Brodtkorb MK de, Amthauer G, Tippelt G: Amer.Min.(2000) 85, 1066-1075

Argentina - Jujui - La Puna - Rinconada department - Pirquitas Ag-Sn deposit

- Austria: IMK-Wien - Type: HT: 14389/91
- United Kingdom: NHM-London - Type: CT: BM 1998,39/40

Surinamite

De Roever EWF, Kieft C, Murray E, Klein E, Drucker WH: Amer.Min.(1976) 61, 193-199

Suriname - Bakhuis Mts. (N4 27'13", W56 57'39")

- Suriname: GMS-Paramaribo - Type: HT: EW 1115 (4x4x1.5 cm)

Surite

Hayase K, Dristas JA, Tsutsumi S, Otsuka R, Tanabe S, Sudo T, Nishiyama T: Amer.Min.(1978) 63, 1175-1181

Argentina - Rio Negro - Los Menucos (42km ESE of) - Cruz del Sur mine, oxid. Pb-Zn-deposit (N40 50', W68 07')

- USA: NMNH-Washington - Type: T: 147202 (don. LF Aristarain, 1980)
- Japan: WU-Tokyo - Type: HT:

Sursassite

Jakob J: Schweiz.Min.Petr.Mitt.(1926) 6, 376-380

Switzerland - Graubünden - Oberhalbstein - Alp Parsettens (Mn-mine)

- Switzerland: ETH-Zürich - Type: HT: 194807 (40g)
- United Kingdom: NHM-London - Type: T: Number of the type specimen is lacking

Susannite

Haidinger W: Handbuch bestimm.Min., 1st ed.(1845) p. 505

Great Britain - Scotland - Larnakshire - Leadhills area - Susanna mine

- France: MHN-Paris - Type: T: 104.1068 (don. HJ Brooke, 1857, coll. A Descloizeaux)

Sussexite

Brush GJ: Amer.J.Sci., ser. 2 (1868) 46, 140 and 240-243

USA - New Jersey - Sussex County - Franklin - Mine Hill

- USA: NMNH-Washington - Type: T: 124356 (don. U.S.Geol.Surv., thru WT Schaller, 1972)

Suzukiite

Matsubara S, Kato A, Yui S: *Min.Journ.Japan* (1982) 11, 15-20
Japan - Honshu - Gumma Pref. - Kiryu City - Mogurazawa mine

- Japan: NSM-Tokyo - Type: T: M-21385

Sveite

Martini JEJ, Urbani FF: *Bol.Soc. Venezolano Espeleologia* (1980) 21, 13-16
Venezuela - Territorio Federal Amazonas - Cueva del Cerro Autana

- United Kingdom: NHM-London - Type: CT: BM 1985,348
- USA: NMNH-Washington - Type: HT: 162532 (don. FF Urbani, 1985)
- Venezuela: SVE-Caracas - Type: T:
- Venezuela: UC-Caracas - Type: T:

Sverigeite

Dunn PJ, Peacor DR, Simmons WB, Gaines RV: *GFF*,(1984) 106, 175-177
Sweden - Värmland - Filipstad - Filipstad - Langban

- Sweden: BS-Filipstad - Type: CT:
- USA: NMNH-Washington - Type: HT & CT: 160023 and 160341

Svyazhinite

Chesnokov BV, Bazhenova LF, Kementsev IE, Polyakov VO, Bushmakin AF: *ZVMO*,(1984) 113, 347-351
Russia - Ural-S - Chelyabinsk - Miass - Ilmen Mts.

- Russia: FMM-Moscow - Type::
- Russia: MI-Yekatrinnburg - Type::

Supergene

Svyazhinite

Chesnokov BV, Bazhenova LF, Kementsev IE, Polyakov VO, Bushmakin AF: *ZVMO*,(1984) 113, 347-351
Russia - Ural-S - Chelyabinsk - Miass - Ilmen Mts.

- Russia: VGM-Moscow - Type: T: 53493 (Chesnokov 1984)

Supergene

Swaknoite

Martini JEJ: *Bull. South African Speleolog.Assoc.*(1992) 32, 72-74
Namibia - Windhoek (150km E of) - Arnhem cave (S18 10', S22 30')

- South Africa: GSM-Pretoria - Type: CT:
- Namibia: SM-Windhoek - Type: CT:

Swamboite

Deliens M, Piret P: *Can.Min.*(1981) 19, 553-557
Zaire - Shaba - Likasi - Swambo uranium prospect

- Belgium: MRAC-KMMA-Tervuren - Type: HT: RGM 13.690 (a few mm needles)

Swartzite

Axelrod JH, Grimaldi FS, Milton C, Murata KJ: *Progr.Abstr.,Min.Soc.Amer.*(1948) p. 4
USA - Arizona - Yavapai County - Bagdad - Hillside mine

- USA: NMNH-Washington - Type: T: 106107/8 (don. U.S. Geol.Surv., 1950)

Swedenborgite

Aminoff G: *Zeits.Krist.Min.*(1924) 60, 262
Sweden - Värmland - Filipstad - Filipstad - Langban

- United Kingdom: NHM-London - Type: CT: BM 1924,560
- Sweden: SMNH-Stockholm - Type: HT: 24026

Sweetite

Clark AM, Fejer EE, Couper AG, Jones GC: *Min.Mag.*(1984) 48, 267-269

Great Britain - England - Derbyshire - Ashover (near) - Milltown

- United Kingdom: NHM-London - Type: HT: BM 1982,4-6

Swinefordite

Tien P-L, Leavens PB, Nelen JA: *Amer.Min.*(1975) 60, 540-547

USA - North Carolina - Cleveland County - Kings Mountains (near) - Foote Mineral Company Spodumene mine

- France: ENSM-Paris - Type: CT:
- USA: HMM-Cambridge - Type: CT: 125477 (don. PB Leavens, 1979)
- USA: NMNH-Washington - Type: CT & T: 144772 (don. Univ. Delaware, thru PB Leavens, 1979), 126826 (don. PB Leavens, 1973) and 131848 (don. P-L Tien, 1975)
- USA: UD-Newark - Type: CT: (coll. Irene du Pont)

Switzerite

Leavens PB and White JS: *Amer.Min.*(1967) 52, 1595-1602

USA - North Carolina - Cleveland County - Kings Mountains (near) - Foote Mineral Company Spodumene mine

- United Kingdom: NHM-London - Type: CT: BM 1967,407
- USA: NMNH-Washington - Type: CT: 120871 (don. JW Eaker, 1968; redefined material)

Compare JS White, PB Leavens, PF Zanazzi in: Amer.Min.(1986) 71, 1221-1223

Symesite

Welch MD, Cooper MA, Hawthorne FC, Criddle AJ: *Amer.Min.*(2000) 85, 1526-1533

Great Britain - England - Somerset - Cranemore - Merehead Quarry (N51 12', W2 26')

- United Kingdom: NHM-London - Type: T: BM 1998,37

Symplesite

Breithaupt A: *Journ.prakt.Chem.*(1837) 10, 501

Germany - Thüringen - Vogtland - Lobenstein

- Germany: BAF-Freiberg - Type: T: 21034 (?)

Synadelphite

Sjögren H: *GFF*,(1884) 7, 382

Sweden - Värmland - Filipstad - Filipstad - Nordmark, Mossgruvan

- Sweden: SMNH-Stockholm - Type: HT: g28884

Synchisite-(Ce)

Flink G: *Bull.Geol.Inst.Univ.Upsala*,(1900) 5, p. 81

Greenland - South Greenland - Igaliko (Igaliku) - Tunugdliarfik (Tunulliarfik) - Narssârssuk

- Denmark: GMK-Copenhagen - Type: CT (crist.): (Several crystals)

New name = synchisite-(Ce).

Synchisite-(Nd)

Maksimovic Z and Panto G: *Proc. 4th Int. Congr. for the Study of Bauxites, Alumina and Aluminium, Athens* (1978) 13pp.

Yugoslavia - Serbia - Grebnik bauxite deposit

- USA: NMNH-Washington - Type: T: 161213 (don. Z Maksimovic, 1984)

Szaibelyite

Peters KF: *Sitzungsber.Akad.Wissensch.Wien*,(1861) 44, Abt. 1, 81-185

Romania - Transilvania - Apuseni Mts. - Baita Bihorului

- Hungary: HUN-Budapest - Type: HT: E-555 (1 spec., 2-4mm spheres)

TL at the time of description: Hungary, Rézbánya

Szenicsite

Francis CA, Pitman LC, Lange DE: Mineral.Rec.(1994) 25(1), 76

Chile - Atacama - Copiapo (80 km N of) - Inca de Oro (5km E of) - Jardinera No.1 mine (S26 04.44', W69 51.4')

- USA: HMM-Cambridge - Type: T & CT: 133834/5 and 133738/9 (don. Aurora Min. Comp.)

Szomolnokite

Krenner JA: Akad.Ert.(1891) 2, 96

Slovakia - Spisska Nova Ves - Spisko-Gemerské rudnohorie - Smolnik

- Hungary: HNHM-Budapest - Type: HT & CT: (destroyed in 1956)

TL at the time of description: Hungary, Szomolnik

Szymanskiite

Roberts AC, Ercit TS, Erd RC, Ocarson RL: Can.Min.(1990) 28, 703-707

USA - California - San Benito County - New Idria - Clear Creek mercury mine (in massive quartz at a prospect near the), (N36 22'59", W120 45'58")

- Canada: GSC-Ottawa - Type: HT: