

- crystals, with rounded angles, together with grains of purple fluorite, and crystals of black spinel, imbedded in a yellowish crystalline limestone, in the township of Ross (Renfrew Co., Ont.); and crystals of blue apatite and quartz are imbedded in a coarsely cleavable, sky-blue calcite at the Calumet Falls in the township of Litchfield (Pontiac Co., Que.). Small hexagonal prisms, sometimes an inch in length and one or two lines in diameter, transparent, of a pink or purple color, with surfaces often dull, and angles rounded, occur, in association with crystals of augite, in an intrusive mass of fine grained, grey dolerite at St. Roch, on the Achigan River, L'Assomption Co. Que. Anal., T. S. Hunt, Rep. Geol. Can., 1863-66, p. 203. On the composition of Canadian apatites, G. C. Hoffmann, Rep. Geol. Can., 1877-78 pp. 1-14 II.
28. **APHRODITE**—Is found filling fissures in the massive pyralolite of the township of Grenville (Argenteuil Co.), in the province of Quebec. Anal., T. S. Hunt, Geol. Can., 1863, p. 473.
29. **APOPHYLLITE**—Green and white crystals, aggregated in plates or in square prisms, occur at Two Islands and Cape d'Or (Cumberland Co.), Blomidon (King's Co.), and Margaretville (Annapolis Co.), in the province of Nova Scotia. Also, in foliated masses or plates, often of a red color, in association with calcite, on Prince's Location, Spar Island, Lake Superior, province of Ontario.
30. **ARGENTITE**—Occurs, with native silver, chalcocite, sphalerite, etc., in a vein of calcite at Prince's mine; with native silver, in a vein of barite, celestite and calcite, on Jarvis Island; with native silver, sphalerite, and a little galenite and pyrite, in a vein of barite and calcite on McKellar's Island; and with sphalerite, pyrite, niccolite, etc., in a veinstone consisting of calc-spar, bitter-spar and quartz, on Silver Islet, Lake Superior. With native silver, in a gangue of calcite, at the Duncan mine—also at the Rabbit Mountain, Porcupine, Beaver and other mines in the district of Thunder Bay (Lake Superior), province of Ontario.
31. **ARQUERITE**—Is found with alluvial gold upon Vital and Silver Creeks, Omenica District, province of British Columbia. Anal., H. G. Hanks, Dana, Min., App. iii, p. 4, 1882.
32. **ARRAGONITE**—Is met with, in the form of acicular crystals, varying in size from microscopic minuteness to an inch or more in length, lining fissures or cavities in the ankerite, or implanted upon barite or calcite, in the ankerite deposits of Londonderry (Colchester Co.), province of Nova Scotia. Has been observed forming stalactites and delicate fibrous masses in a calcareous rock in the township of Tring (Beauce Co.), province of Quebec—and sparingly amongst the Lake Superior traps, province of Ontario.
33. **ARSENIC. NATIVE**,—Is found, in veins, seven miles up Watson Creek, west side of Fraser River, twenty-five miles above Lytton, province of British Columbia. Ann. Rep. Geol. Can., vol. ii, p. 9 T, 1886.
34. **ARSENOPYRITE**—Is of exceedingly common occurrence in the gold-bearing quartz bands of Nova Scotia. Is found, according to Dr. Hunt, well crystallized, with galena, in a quartz vein on the Chaudière in St. Francis (Beauce Co.); and still more abundantly in small crystals, in association with galena, in a large vein of quartz on Moulton Hill, near Lennoxville (Sherbrooke Co.), province of Quebec. Occurs in