large quantities in quartzose veins in the township of Marmora (Hastings Co.), and it is also met with in the township of Tudor, in the same county, province of Ontario.

35. Asbestus—A more or less delicately fibrous variety of hornblende has been met with in the townships of Templeton and Buckingham (Ottawa Co.), province of Quebec. In the latter township, mountain cork was found in quantity and in masses of considerable size at the Emerald phosphate mine. Mountain feather has also been met with in this township as well as at the Beaver mine in the township of O'Connor, District of Thunder Bay, in the province of Ontario. The fibrous variety of serpentine, which constitutes a largeproportion of what is known in commerce as asbestus, occurs in quantity in the Eastern Townships of the province of Quebec.—See under "Chrysotile."

36. Asphaltum—Occurs in the vicinity of Oil Creek, in the southern part of the township of Enniskillen (Lambton Co.), province of Ontario, where it forms two layers, of a viscid consistency, known as gum-beds, occupying areas of about an acre, each, in extent, and having a thickness varying from a few inches to two feet. Another bed of bitumen, of from two to four inches in thickness, is met with at Petrolia, in the northern part of the same township. The material of this bed, which is more solid than that of those just referred to, and mixed with a good deal of earthy matter, is readily separable into thin layers, which are soft and flexible. Very extensive deposits of a bituminous sand-rock occur for great distances along the banks of the lower Athabasca River, North-west Territory; these are described in Rep. Geol. Can., 1882-84, part CC., and the results of the examination of the material appear in Rep. Geol. Can., 1880-82, p. 3 H.

37. Augite—Well defined crystals of black augite are found imbedded in the dolerites of Montreal (Hochelaga Co.), Rougemont (Rouville Co.), and Montarville (Chambly Co.) Mountains, in the province of Quebec. Anal., T. S. Hunt, Geol. Can., 1863, p. 468.

38. Axinite—Is said by Dr. Bigsby to have been found, in fine crystals, lining a cavity in a boulder of primitive rock at Hawkesbury (Prescott Co.), in the province of Ontario. It has been found *in situ* by Dr. R. Bell, in small veins in trap, on the east coast of Hudson Bay, about one mile and a-half south of the mouth of Little Whale River. Here it occurs, of a purplish-brown color, in association with epidote, imbedded in a matrix of calcite with a little quartz.

39. Azurite—Has, so far, not been met with in characteristic specimens, but merely as an incrustation on copper-ores, or in the form of stains and small earthy masses in copper-holding rock. Among the many localities where it has been observed, may be mentioned :—The Prince of Wales mine, Upton (Bagot Co.), and at the Black River mine—in a drusy calcite, with sulphurets of copper, in the form of small crystals—St. Flavien (Lotbinière Co.), province of Quebec. With green carbonate of copper at Batchewanung Bay and Prince's mine, Lake Superior, province of Ontario.

40. Barite—Occurs, sometimes in very beautiful crystalline masses, in numerous irregular veins or pockets in the slates of the East River of the Five Islands (Colchester Co.), Nova Scotia. In a vein cutting Laurentian limestone, in the township of Hull (Ottawa Co.), province of Quebec—and the following localities in the province of Ontario, viz., the townships of Bathurst and North Burgess (Lanark Co.), McNab (Renfrew Co.) Dummer and Galway (Peterborough Co.), and Summerville (Victoria