

diverging at a very acute angle from the base. Usual length, about 5 centimetres. Leaves of this type are found at Baynes' Sound and Vancouver Island; but too imperfectly preserved to admit of any certain distinction from described species.

✓ 27. JUGLANS HARWOODENSIS, S. N. (Fig. 31).

Leaf ovate, narrowing toward the base. Midrib distinct; veins at a very obtuse angle, nearly 80°, curving and netting at margin, which seems to be slightly toothed. Breadth, 4 centimetres; length, probably 11 centimetres.

Collected by Mr. J. Richardson, at Harwood Colliery, Nanaimo. 1878;

✓ 28. DIOSPYROS VANCOUVERENSIS, S. N. (Fig. 32).

Oval, pointed at base, obtuse and oblique at apex. Margin, entire or slightly undulate. Midrib and veins strongly marked; angle of divergence of veins from midrib, about 60°. Veins curved strongly and uniting at the margin. Veinlets transverse, straight, giving a coarse rectangular reticulation. Length, about 5.5 centimetres; breadth, 3 centimetres.

Collected by Mr. J. Richardson, at Nanaimo. *Nan. Review* 2^d m. vol. - p. 22 1873.

✓ 29. CEANOTHUS CRETACEUS, S. N. (Fig. 33).

Regularly elliptical with three principal veins, the lateral ones curving regularly from base to apex. Margin, crenulate. Minor venation, obscure. Length, 5 centimetres; breadth in middle, 2.6. Distance of lateral veins from midrib in middle, 0.8 centimetre. The modern *C. Americanus* has very similar leaves, but broader in proportion. *C. ovalis* has narrower leaves. This ancient leaf is thus between the two. This leaf might be included in the genus *Cinnamomum*, as defined by fossil botanists; but I cannot distinguish it from the foliage of the modern genus *Ceanothus*, still living in the west.

Collected by Dr. G. M. Dawson, at Baynes' Sound. 1878.

✓ 30. ANISOPHYLLUM, Sp. (Fig. 34).

Apparently a soft, fleshy leaf, with strong midrib, and giving off a large branching vein at one side near the base, and more slender and simple veins elsewhere. Length, about 7 centimetres; breadth, about 4. Margin, entire.

Collected by Dr. G. M. Dawson, at Baynes' Sound. 1878.

31. PROTOPHYLLUM NANAIMO, S. N. (Fig. 35).

Large, 16 centimetres or more long, and 12 in breadth. Veins very nearly opposite, and at an angle of 55° to the midrib. Interspaces with transverse veinlets more or less netted and curved, or angled upward. Approaches to *P. levanteum* of Lesquereux, from the Dakota group.

Collected at Nanaimo by Mr. J. Richardson; at Baynes' Sound, by Dr. G. M. Dawson. 1878.

✓ 32. ALNITES INSIGNIS, S. N. (Pl. viii., Fig. 44.) 36/

Leaf coriaceous, shining, somewhat triangular or broad cuneate, rounded and coarsely toothed above; smaller and distant teeth on the sides; narrow at base and rapidly widening. Midrib straight, well marked, veins about equally strong, very slightly curved, diverging from the midrib at an angle of 50° and running direct to margin, nearly parallel to each other. Veinlets straight, simple, at right angles to the veins. Lateral margins,