

marginal veins. It may be a varietal form merely, or may represent a distinct species, and for the present I may characterize it as var. *amplex.* in the hope that more perfect specimens or intermediate forms may reveal its true nature.

*LIQUIDAMBAR INTEGRIFOLIUM*, *Lesquereux*.

*Lesquereux*, *Cretaceous Flora*, p. 56.

Mr. Weston's collection from Mill Creek contains a well-preserved specimen not distinguishable from the above species, which belongs to the Dakota group.

*MACCLINTOCKIA CRETACEA*, *Heer*. (Plate IV, Fig. 3.)

*Heer*, *Flora Greenlandis*, Patoot, Pl. LX.

Leaf membranous, five-nerved, narrowing to the base. Intermediate veins very delicate.

The specimens of this leaf are unfortunately imperfect, and it seems to have been of more delicate texture than most of the others. It agrees, however, with the Patoot species.

Collected by G. M. D. at Middle Branch, North Fork, Old Man River.

*PROTEOIDES DAPHNOGENIODES*, *Heer*.

*Heer*, *Phyllites du Nebraska*, p. 17.

Very numerous specimens represent an ovate lanceolate coriaceous one-nerved leaf, not distinguishable from the above, which was originally described by Heer from the Dakota group of Nebraska. Mixed with these, are other leaves of similar character and texture, having the form of *P. acuta* of Heer, but I think it probable that they may belong to the same species.

Collected by T. C. W. at Mill Creek.

*CINNAMOMUM CANADENSE*, S. N. (Plate IV, Fig. 7.)

Leaf coriaceous, entire, long ovate, narrowing to the base; three-veined from near the base, midrib stout.

This is near to *C. Sezannense*, Heer, which occurs at Patoot, Greenland, but is broader and with the veins at a wider angle. It is intermediate between the above species and *C. Heeri*, Lesq., from Vancouver Island, and of the Dakota group. All these may possibly be varieties of one species, as also may *C. Mississippiense* of the same author. (See his remarks, *Cretaceous Flora*, p. 84 and *Cretaceous and Tertiary Floras*, p. 54.) The reference of these leaves to the genus *Cinnamomum* will admit of doubt, till evidence can be obtained as to their fruit.

*LAUROPHYLLUM DEBILE*, *Dawson*.

*Trans. Roy. Soc. Can.*, Vol. I, Sec. IV, Pl. II, Fig. 7.

Leaves referable to this species, originally collected in the Dunvegan group, Peace River, appear in the collections from Middle Branch, North Fork, Old Man River. (In the figure above referred to, the midrib is much exaggerated in thickness.)

Collected by G. M. D.

*LAURUS CRASSINERVIS*, *Dawson*.

This species, already mentioned as occurring in the Kootanie series, seems still to survive in the Mill Creek period.

Collected by G. M. D.