

Collected by R. B. Tyrrell in the Lower Laramie, at the Red Deer and Rosebud Rivers. This plant is associated at several localities with *Pistia* and *Leinna*, and in this respect the beds holding it conform in their flora to the Belly River series on the South Saskatchewan. The same remark applies to the beds at Pincher Creek, Berry Creek, etc., from which places small collections have been obtained.

*ABIETITES TYRRELLII*, S. N.

Branches stout, with broad and thick leaves, spirally disposed, showing no ribs, and slightly narrowing and decurrent on prominent leaf-bases.

Fine casts of this plant occur in hard clay ironstone at Berry Creek. Collected by R. B. Tyrrell.

*SALISBURIA*.

Seeds or nutlets referable to this genus were observed in the collections from several places in the Lower Laramie.

The above are all from the Belly River series or the Lower Laramie, in which also occur abundant remains of a *Sequoia* which I have referred to *S. Reichenbachii*. The remaining species are from the Upper Laramie or Porcupine Hill series.

*PLATANUS NOBILIS*, Newberry.

Newberry, Later Extinct Floras of America.

Large numbers of these fine leaves occur in the Upper Laramie sandstone near Calgary. They show that the peculiarities of venation referred to by Lesquereux in his notice of this species, are only varietal. The leaves from Calgary exhibit the auricles or supplementary leaflets first described by me in the specimens collected by Dr. Selwyn at Souris (Geol. Survey of Canada, 1879.)

*PLATANUS RAYNOLDII*, Newberry.

Newberry, *loc. cit.*

This species is also abundant and mixed with the former, at Shaganappi Point, near Calgary. Its leaves present many differences in size and form, but these pass into one another.

*POPULUS*.

In the same beds with the above, are leaves of several species of Poplar, which I refer provisionally to *P. acerifolia*, *P. genetric* and *P. cordifolia*, of Newberry.

*SASSAFRAS (ARALIOPSIS) BURPEANA*, S. N.

Leaf three-lobed, long petioled, lateral ribs at angle of about 30° to middle rib. Secondary veins very strong, the inner ones joining at an obtuse angle in the palm of the leaf. Leaf probably trifid at apex, and somewhat rounded and auriculate at base.

Collected by Mr. Burpee near Calgary, Upper Laramie sandstone.

*VIBURNUM OXYCOCCOIDES*, S. N.

Leaf large, tri-lobed, central lobe long and acute, lateral lobes rounded at margin. Auriculate with two small rounded leaflets at base. Venation almost precisely as in the