relatives and Ginkgo leaves given by Saporta, 1 Ward, 2 Seward and Gowan, 3 and Zeiller, 4 The other circumstance, lending some minor colour of probability as to the relationship, is the occurrence, in especial abundance in the beds containing Whittleseya of numerous types of gymnospermic fruits, some of which represent genera closely analogous in structural characters to those of the living "maiden-hair tree," Ginkgo biloba. In the judgment of the writer the Whittleseyæ are the oldest representatives of the Ginkgoales stock that have yet been discovered. The fruits of this type are probably included in some of the American species of Rhabdocarpos, or possibly in Cardiocarpon. The plant from the Upper Coal Measures of Baie de Chaleur described by Dawson as Næggerathia dispar, although fragmentary and very incomplete, appears by its petiolate development, the basi-marginal nerves, and the banding of the parallel, longitudinal nervation to be also referable to the same stock, if not to the same genus. The Næggerathia dispar may perhaps, without too great an assumption, be regarded as a connecting link between the earlier Whittleseyas and the later Saportæa of Fontaine and I. C. White, from the Dunkard or supposed Permian of the Appalachian trough. Saportæa7 through its allied genera, Baiera, and Ginkgophyllum, may perhaps be safely regarded as belonging to the Ginkgo stock, while the two genera last named are not only closely related, but one of them is perhaps antecedent to the genus Ginkgo, which is unquestionably present with characteristic flowers and fruits in the earlier Meso-During this epoch Ginkgo, which in the world of to-day is

¹ Évol. règ. vég., Phanérog., vol. I, 1885, pp. 142-146.

² Science, vol. V, 1885, p. 496.

³ Annals of Botany, vol. XIV, 1900, pp. 109-154.

⁴ Éléments de Paléobotanique, 1900, pp. 248-253.

⁵ Quart. Jour. Geol. Soc. London, vol. XXII, 1866, p. 153, Pl. XIII, fig. 91.

⁶ Permian Flora, pp. 99, 101, 102, pl. XXXVIII. figs. 1-4.

⁷ Saportæu, F. and W., aptedates and is quite distinct from Saportia, a genus of Tertiary Algæ, named by Squinabol in 1891, Contr. Fl. Foss. Terz. Liguria, pt. 1, p. xx.