

The specimens were associated with branches of *Walchia*, leaves of *Cordaites Simplex*, *Trigonocarpa*, and also with trunks of *Dadoxylon* (*D. materiarium*.)

Since the publication of the paper referred to, Mr. Bain has made additional collections, more especially on St. Peter's Island and other places on the south side of Prince Edward Island, some of which have been sent to the Geological Survey at Ottawa, and others to the writer, along with drawings of specimens still in Mr. Bain's possession. These specimens show the internal structure of the pith and woody cylinder, and varieties in the external markings which may perhaps indicate distinct species; and along with the stems, Mr. Bain has found leafy branchlets and fruits of a peculiar form which, from their association, he regards as belonging to these plants.

The principal external differences in Mr. Bain's specimens, consist in greater or less size and distance apart of the long, projecting, spindle-shaped and furrowed ridges which mark the stems, and in the presence or absence of enlarged nodes marked with whorls of tubercles. This last difference may be specific, and appears to correspond with certain differences in the structure of the wood.

Several of the specimens showing structure, represent the pith-cylinder alone in a silicified state, and these specimens have the external markings as perfectly shown as in the sandstone casts, so that the supposed external markings of *Tyloedendron* may in some cases belong to the outer surface of the pith-cylinders. The internal structure of these medullary cylinders shows, in some cases, the transverse dia-

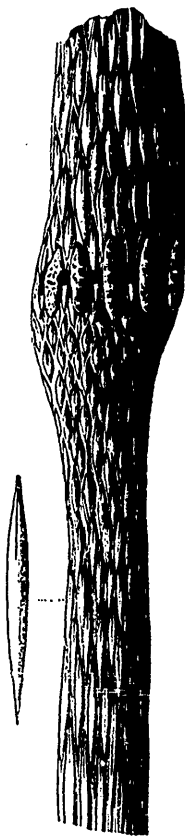


FIG. 3. Portion of stem of *Tyloedendron* (from drawing by Mr. Bain.)