

There are in our collections numerous indeterminate and imperfect footprints which have not been named or catalogued. They indicate the presence of land vertebrates from the base of the Lower Carboniferous up to the summit of the Upper Coal-formation; and it is highly probable that several of them belong to creatures not otherwise known. It is hoped that eventually means will be found to publish these, as well as many characteristic bones of batracians in the above list, which have not been adequately figured.

II. ARTHROPODA.

Class—ARACHNIDA.

Order—PEDIPALPI.

Family—*Geralinuridae*.

Genus—GRÆOPHONUS.

1. *Græophonus Carbonarius*, Scudder.

[Can. Nat. (2) VIII., 1876; Acadian Geology, Supt. 2nd edition, 56 (as *Libillula Carbonaria*); Mem. Boston Soc. Nat. Hist. IV., 454; Fossil Insects of N. America, I, 430.]

Coal Formation, Cossit's Pit, Cape Breton, col. Albert G. Hill, 1874.

Family—*Eoscorpoidæ*.

Genus—MAZONIA.

2. *Mazonia Acadica*, Scudd.

[Contributions to Canadian Paleontology; II, pp. 63, 64, Pl. 5, figs. 5, 6, 8, 9.]

Coal Formation, S. Joggins, col. J. W. D.

3. *Mazonia*, Sp.

[Ibid., 64, 65, pl. 5, fig. 4.]

Coal Formation, S. Joggins, col. J. W. D.

Genus—PALÆOPHONUS.

4. *Palæophonus arctus*, Matthew.

[Com. to Royal Society of Canada, 1893.]

Devonian,¹ Little River Group, St. John, N.B., col. W. J. Wilson.

(INCERTÆ SEDIS.)

Genus—EURYPTERELLA.

5. *Eurypterella ornata*, Matthew.

[Trans. R. S. Canada, VI., Sec. IV., p. 60, 1888.]

Devonian, Little River Group, St. John, N.B., col. W. J. Wilson.

¹ Mr. Matthew desires me to state that he has recently found some reason to suspect that these beds are as old as Silurian; but the fossil plants indicate rather a Middle Devonian age. J. W. D.