

- packardi, Scudder, 1893, Insect Fauna, R. I. Coal Field, p. 11, Coal Meas.
- ORYCTOBLATTINA laquata, Scudder, 1895, Rev. Am. Foss. Cockroaches, p. 133, Up. Coal Meas.
- PARALOGUS, Scudder, 1893, Insect Fauna, R. I. Coal Field, p. 20. [Ety. *paralogos*, unlooked for.] Fore wings three or more times as long as wide, costal margin nearly straight, hinder margin arcuate. Mediastinal vein simple, close to the outer margin. Scapular vein near to and parallel with the mediastinal vein; emits an offshoot below the middle of the basal half, which immediately divides, the upper branch bearing a few longitudinal offshoots, the other many arcuate offshoots. Externomedian vein sinuate. Internomedian and anal veins originate from a single stem, and each bears numerous arcuate branches. The reticulation is quadrangular. Type *P. aschnoides*, described at the same place from the Coal Meas.
- PAROMYLACRIS clintoniana, Scudder, 1895, Rev. Am. Foss. Cockroaches, p. 53, Low. Coal Meas.
- pluteus, Scudder, 1895, Rev. Am. Foss. Cockroaches, p. 54, Coal Meas.
- triangularis, Scudder, 1895, Rev. Am. Foss. Cockroaches, p. 52, Coal Meas.
- PETRABLATTINA hastata, Scudder, 1895, Rev. Am. Foss. Cockroaches, p. 141, Low. Permian.
- POROBLATTINA complexinervis, Scudder, 1895, Rev. Am. Foss. Cockroaches, p. 139, Low. Permian.
- fossa, Scudder, 1895, Rev. Am. Foss. Cockroaches, p. 137, Low. Permian.
- gratiosa, Scudder, 1895, Rev. Am. Foss. Cockroaches, p. 136, Low. Permian.
- longinqua, Scudder, 1895, Rev. Am. Foss. Cockroaches, p. 135, Low. Coal Meas.
- ohioensis, Scudder, 1895, Rev. Am. Foss. Cockroaches, p. 138, Low. Coal Meas.
- PROGONOBLATTINA columbiana, Scudder, 1895, Rev. Am. Foss. Cockroaches, p. 131, Low. Coal Meas.
- PROMYLACRIS harei, Scudder, 1895, Rev. Am. Foss. Cockroaches, p. 48, Up. Coal Meas.
- RHAPHIDIOPSIS, Scudder, 1893, Insect Fauna, R. I. Coal Field, p. 10. [Ety. from the resemblance to *Rhaphidia*.] Distinguished from *Corydaloides* by the nonfalcate form of the relatively shorter wings, the excessive breadth of the hind wings, and the less numerous and much more distant scapular branches. Type *R. diversipenna*, described at the same place from the Coal Meas.

SUBKINGDOM VERTEBRATA.

CLASS PISCES.

- ASPIDICHTHYS notabilis, Whiteaves, 1892, Cont. to Can. Pal., p. 354, Devonian.
- BRONTICHTHYS, Claypole, 1894, Am. Geol., vol. 14, p. 379. [Ety. *Brontes*, mythological name; *ichthys* fish.] A fish-spine. Type *B. clarkei*, described at the same place from the Cleveland Shale.
- CLADODUS clarki, rivipetrosi, and sinuatus, Claypole, 1893, Am. Geol., vol. 11, p. 327, Cleveland Shale.
- magnificus, Claypole, 1894, Am. Jour., vol. 14, p. 137, Cleveland Shale.
- CLADOSELACHE newberryi, Dean, 1893, Trans. N. Y. Acad. Sci., vol. 13, p. 115, Waverly Gr.
- COCOSTEUS cuyahogæ, Claypole, 1895, Ohio Geol., vol. 7, p. 615, Cleveland Shale.
- halmodeus, Clarke, 1894, 13th Rep. St. Geol., N. Y., p. 161, Marcellus Shale.
- TENACANTHUS acutus, Eastman, 1897, Am. Jour. Sci., vol. 154, p. 13, Keokuk Gr.
- Dinichthys canadensis, clarkei, gracilis, and lincolni.* See Ponerichthys.
- prentis clarkei*, Claypole. Not binomial.
- MONOCLADODUS, Claypole, 1893, Am. Geol., vol. 11, p. 329. [Ety. *monos*, single; *Cladodus*, a genus.] Distinguished from *Cladodus* by the teeth, which consist of a single cusp each, without lateral denticles. Type *M. clarki*, which, with *M. pinnatus*, is described at the same place from the Cleveland Shale.
- PETALODUS securiger, Hay, 1895, Jour. Geol., vol. 3, p. 561, Coal Meas., Syn. for *P. fleghaniensis*.
- TITANICHTHYS attenuatus, Wright, 1895, Ohio Geol., vol. 7, p. 612, Cleveland Shale.
- brevis, Claypole, 1896, Am. Geol., vol. 16, p. 167, Cleveland Shale.