

larger and more formidable creatures than the Microsauria, but less so than the Labyrinthodontia. I have formerly regarded them as Labyrinthodonts, and as the name *Gastrolepidoti* fails to distinguish them from the Microsaurians, am disposed to prefer Fritsch's name, based on the typical genus, despite its length and want of euphony.

*Genus DENDRERPETON, Owen.*

Teeth numerous, plicated at the base and chiefly on the inner side; large detached teeth in palate, also small vomerine teeth. Bones of skull corrugated; body protected below with thoracic plate and ovate bony scales; above, horny and imbricated scales, also scaly lappets or pendants. Form elongated; fore limbs largest; vertebrae somewhat biconcave; neural arches and bodies ossified.

12. *DENDRERPETON ACADIANUM*, Owen.

[J. G. S., vol. ix. *Air-breathers*, p. 17. *Acadian Geology*, p. 362. *Trans. R. S.*, II., 1882, p. 642. *Geol. Mag. Apl.*, 1891.]

Coal Formation, S. Joggins, Nova Scotia, col. Lyell and J. W. D., 1851.

13. *DENDRERPETON OWENI*, Dawson.

[J. G. S., vol. xviii., p. 469. *Air-breathers*, p. 32. *Acadian Geology*, p. 368. *Trans. R. S.*, II., 1882, p. 643.]

Coal Formation, S. Joggins, col. J. W. D., 1860.

The remains of the above species of *Dendrerpeton* were found in erect trees at the South Joggins; sometimes several individuals in one tree.

*Genus BAPHETES.*

Teeth conical, hooked, striated longitudinally, and with inflected and convoluted cement; in two series; the inner of larger size. Cranial bones much corrugated. Head broad. Probably a dermal covering of corrugated bony scales.

14. *BAPHETES PLANICEPS*, Owen.

[*Journal Geol. Society*, vols. x. and xi. *Air-breathers*, p. 10. *Acadian Geology*, pp. 323, 359.]

Coal Formation, Albion Mines, Pictou, col. J. W. D., 1850.

*Genus PLATYSTEGOS, Dawson.*

Head broad and short; orbits very large; cranial bones deeply sculptured; teeth strongly plicated and curved, with sharp edges at apices, especially the inner palatal teeth, which are very large; many minute teeth on the vomerine bones; vertebrae ossified, biconcave; limb bones imperfectly ossified, short; lower surface protected with a thoracic plate and thick, densely imbricated bony scales in transverse rows; body above with thin, rounded scales, concentrically marked.

15. *PLATYSTEGOS LORICATUM*, s. n.

Characters as above. Head about 8 centimetres long; when flattened, 9 c.m. broad across parietal foramen; squamosal and temporal bones projecting backward in points much