

20. *HYLOPUS LOGANI*, Dawson.[Air-breathers, p. 5. *Acadian Geology*, p. 353. *Trans. R. S.*, Pt. II., 1852, p. 653.]

Lower Carboniferous, Horton, col. Sir W. E. Logan, 1841, M. Pineo, 1881.

21. *HYLOPUS HARDINGI*, Dawson.[Air-breathers, p. 8. *Acadian Geology*, p. 356. *Trans. R. S.*, *l.c.*, p. 653.]

Lower Carboniferous, Purrshoro', col. Dr. Harding, 1846?

22. *HYLOPUS CAUDIFER*, Dawson.[Air-breathers, p. 8, Fig. 3. *Trans. R. S.*, *l.c.*, p. 653.]

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

23. *HYLOPUS MINOR*, s. n.

On a slab of sandstone in the Museum of the Geological Survey of Ottawa, collected by Mr. Weston, is a series of small footprints about two c.m. in diameter, with five toes, the fore foot being a little smaller than the hind. The length of the stride of the hind foot is eight c.m. The distance transversely from the outside of the tracks is about six c.m. There is a central tail-mark, and at the sides, when the animal has turned, it has left a few slight striae probably representing the ends of the lateral lappets. These tracks are probably those of a Microsaurian. I have some small slabs with similar but less perfect impressions collected by Mr. Devine at the Joggins, a few years ago.

24. *HYLOPUS*, Sp.

Mr. Weston has also placed in the Survey collection a small slab with some footprints of a different character from the above. They are merely marks of five toes, about three centimetres broad, and somewhat close together longitudinally, the distance being less than five centimetres. There is no tail-mark. They may be footprints of a species of *Dendropteron* walking over a firm surface.

25. *HYLOPUS*? *TRIFIDUS*, s. n.

Footprints small, trifold; in some, traces of a fourth toe projecting outward; footprints uniform in size and close together in two rows three-fourths of an inch apart—footprints an inch apart. It is just possible that this creature may have been biped. South Joggins, collected by Mr. Devine.

26. *HYLOPUS*? Sp.

Trifold, or occasionally quadrifold, tracks, with slender toes about a quarter of an inch in length resembling those of modern sandpipers, but with occasional smaller tracks as if of smaller fore feet. They probably indicate some creature as yet unknown, otherwise than by its footprints. South Joggins, collected by Mr. Devine.

On the slabs containing these footprints, there are trails of small invertebrate animals, showing many punctate impressions. They may have been produced by worms, millipedes, insects or small crustaceans.