

1. *HYLONOMUS LYELLI*, Dawson.

[Journal of Geological Society of London, vol. xvi., 1859, p. 268. Air-breathers of the Coal Period, 1863, p. 45. Acadian Geology, 3rd edition, 1880, p. 870. Transactions Royal Society of London, Pt. II., 1882, p. 635.¹ London Geological Magazine, June, 1891.]

Coal Formation, S. Joggins, Nova Scotia, collected by Sir C. Lyell and J. Wm. Dawson, 1851.

2. *HYLONOMUS WYMANI*, Dawson.

[J. G. S., *l.c.* Air-breathers, p. 52. Acadian Geology, p. 378. Trans. R. S., Pt. II., 1882, p. 637.]

Coal Formation, S. Joggins, N. Scotia, collected by Lyell and J. W. D., 1851.

3. *HYLONOMUS MULTIDENS*, Dawson.

[Trans. R. S., II., 1882, p. 637.]

Coal Formation, S. Joggins, N. Scotia, collected by J. W. D., 1878-9.

4. *HYLONOMUS LATIDENS*, Dawson.

[Trans. R. S., II., 1882, p. 637.]

Coal Formation, S. Joggins, N. Scotia, collected by J. W. D., 1878-9.

Genus SMILERPETON, Dawson.

Form somewhat elongated and limbs short. Mandibular and maxillary teeth wedge-shaped, with cutting edges. Palatal teeth numerous, some of them large. Abdominal scales oval.

5. *SMILERPETON ACIDENTATUM*, Dawson.

[*Hylonomus acidentatus*, Dn., J. G. S., *l.c.* Air-breathers, p. 49. Acadian Geology, p. 376. Trans. R. S., Pt. II., 1882, p. 638.]

Coal Formation, S. Joggins, collected by J. W. D., 1859.

Genus HYLERPETON, Owen.

Body stout with strong limbs. Mandibular and maxillary teeth strong, not numerous, grooved at apex. Palatal teeth numerous and some of them large. Thoracic plate broad. Abdominal scales pointed or oat-shaped.

6. *HYLERPETON DAWSONI*, Owen.

[Owen, J. G. S., vol. xviii., p. 241. Dawson, Air-breathers, p. 55. Acadian Geology, p. 380. Trans. R. S., II., 1882, p. 639.]

Coal Formation, S. Joggins, N. Scotia, collected by J. W. D., 1879.

7. *HYLERPETON LONGIDENTATUM*, Dawson.

[Preliminary Notice, American Journal of Science, December, 1870. Trans. R. S., II., 1882, p. 640.]

Coal Formation, S. Joggins, N. Scotia, collected by J. W. D., 1879.

¹ These names and those of collectors will be abbreviated in the subsequent titles, or after the first reference.