

THE  
CANADIAN  
NATURALIST AND GEOLOGIST.

---

---

VOL. VIII.

JUNE, 1863.

No. 3.

---

---

ART. XIII.—*The Air-Breathers of the Coal Period in Nova Scotia*; by J. W. DAWSON, LL.D., F.R.S., &c.

(Continued from page 92.)

V. DENDRERPETON OWENI.

Plate IV.

Among the reptilian remains found in erect trees at the South Joggins, there have occurred several portions of skeletons, which from their sculptured cranial bones, plicated teeth, and the forms of their scales and limb-bones, I have referred to the genus *Dendrerpeton*, but to individuals of much smaller size than the full-grown specimens of *D. Acadianum*. It did not occur to me to suppose that these were specifically distinct from the larger individuals, until I observed that bones of this kind, contained in the collections sent by me to the Geological Society, or represented in the figures drawn to illustrate one of my papers, were referred by Professor Owen, in his notes on these specimens and figures, in the Journal of the Geological Society, to the genus *Hylonomus*; which is quite distinct from *Dendrerpeton*, as will be explained in the sequel.

I was thus induced to re-examine all the specimens in my collection, and the result has been to establish a strong probability that there is in reality a second species of *Dendrerpeton*, smaller than *D. Acadianum*, and differing from it in several points. This species I propose to name *D. Oweni*. It differs from *D. Acadianum* in the following particulars:—(1) Its much smaller size: (2) Its long and hooked teeth; Pl. IV, Figs. 2 to 8; (it will be