

nature and affinities to be made out. Two species, *P. princeps* and *P. robustus*, were described. A fossil conifer, first found in Gaspé by Sir W. E. Logan, was referred to the *Taxineæ*, and described under the name of *Prototaxites Logani*. A lepidodendron (*L. Gaspidum*) and two species of *Knorria*, one not distinguishable from *K. imbricata*, were added to the Devonian flora of Canada; as also a *Neggerathia*, of which fragments only were obtained. The paper also described the mode of occurrence of the small Devonian coal seam, discovered by Sir W. E. Logan in Gaspé, probably the oldest true coal seam known. The occurrence of impressions of *rain-marks*, sun-cracks, &c., in these beds, was also noticed.

Professor Hunt's paper contained an elaborate exposition of those views of his on the mode of metamorphism of rocks by chemical changes in the presence of water and a moderate amount of heat, which are already in part known to our readers.

We hope, at some future time, to reprint both papers, or abstracts of them, in the *Naturalist*.

CANADIAN INSTITUTE OF TORONTO.—*New Trilobite*.—In the Number of the Canadian Journal for January, Professor Chapman describes a new Canadian trilobite, and the Hypostoma of his species, described in a former article, the *Asaphus Canadensis*. The new species is named after the Professor of Natural History in the University of Toronto, *A. Hincksii*. It is distinguished from the other Canadian species of *Asaphus*, as indicated in the following tabular summary of characters:—

Caudal shield with segment furrows	{	Head-angles terminating in long points.— <i>A. Canadensis</i> .
		Head-angles rounded.— <i>A. Halli</i> .
Caudal shield smooth.	{	Pleuræ curving forwards.— <i>A. platycephalus</i> .
		Pleuræ curving backwards.— <i>A. Hincksii</i> .
Or:—	{	Head-angles terminating in horns; pygidium furrowed.— <i>A. Canadensis</i> .
Pleuræ curving backwards.		Head-angles slightly rounded; pygidium smooth.— <i>A. Hincksii</i> .
Pleuræ curving forwards.	{	Pygidium furrowed.— <i>A. Halli</i> .
		Pygidium smooth.— <i>A. platycephalus</i> .

Entozoa.—The same number contains a long article on those remarkable creatures, the internal parasites, that infest man and other animals, by Lucius Oille, M.B. It professes to be mainly a summary of the results of Von Siebold and Kuchenmeister, but is well deserving of the study of medical students and young naturalists. The writer very properly scouts the idea of the *gene-*