

APRIL 13, 1865.

XXXV. Mr. JAMES THOMSON exhibited—

A fine collection of corals from the lower carboniferous strata of Linlithgowshire, Lanarkshire, and Ayrshire. Mr. Thomson stated that there were upwards of forty species, chiefly of the genera *Lithodendron*, *Lithostrotion*, *Cyathophyllum*, *Cyathopsis*, and *Clisiophyllum*, their structure being shown by numerous polished longitudinal, diagonal, and cross sections, from which he pointed out the differences in various parts of the same coral, and took occasion to speak of the necessity of caution in deciding species from single specimens.

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XXXVI. Mr. ANDREW ARMOUR exhibited—

A collection of fish remains from the carboniferous strata of the West of Scotland, including fine examples of *Megalichthys Hibberti*, and an undescribed species of the same genus; jaws with teeth of *Rhizodus sauroides*—these last being among the finest yet found in the Lanarkshire coal-field; and also numerous specimens of palatal teeth, and bones of placoid fishes of the genera *Cochliodus*, *Petalodus*, and *Ctenodus*, all of which were briefly described.

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XXXVII. Mr. JAMES FARIE exhibited—

A specimen of *Peltocaris aptychoides*, from the graptolite shales, lower Silurian beds, Moffat. He mentioned that it was the carapace of a small Phyllopod crustacean, fragments of which had occasionally been found in the Llandeilo flags of Dumfriesshire, and, from their resemblance to those found in the Carboniferous Limestone, Mr. Salter had named them provisionally *Dithyrocaris aptychoides*. On sending the cast of this specimen to Mr. Salter, he stated that it was the first perfect specimen he had seen, and, from its shield-like form, he re-named the genus *Peltocaris*.