

## LECTURE TWELFTH.

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### ON THE LESS KNOWN FOSSIL FLORAS OF SCOTLAND.

#### PART II.

IN the noble flora of the Coal Measures much still remains to be done in Scotland. Our Lower Carboniferous rocks are of immense development; the Limestones of Burdiehouse, with their numerous terrestrial plants, occur many hundred feet beneath our Mountain Limestones; and our list of vegetable species peculiar to these lower deposits is still very incomplete. Even in those higher Carboniferous rocks with which the many coal workings of the country have rendered us comparatively familiar, there appears to be still a good deal of the new and the unknown to repay the labour of future exploration. It was only last year that Mr Gourlay\* of this city [Glasgow] added to our fossil flora a new *Volkmania* from the coal-field of Carluke; and I detected very

\* Now, alas! no more. In Mr Gourlay the energy and shrewd business habits of the accomplished merchant were added to an enlightened zeal for general science, and no inconsiderable knowledge in both the geologic and botanic provinces. The marked success, in several respects, of the brilliant meeting of the British Association which held in Glasgow in September 1855 was owing in no small measure to the indefatigable exertions and well-calculated arrangements of Mr Gourlay.