

P R O C E E D I N G S
OF THE
ROYAL SOCIETY OF EDINBURGH.

VOL. VI.

1868-69.

No. 78.

At the first ordinary meeting of the Society on 7th December, the Makdougall-Brisbane Prize, for the Biennial Period 1866-68, was awarded to Dr Alexander Crum Brown and Dr Thomas Richard Fraser, for their paper on the Connection between Chemical Constitution and Physiological Action.

At the same meeting the Neill Prize, for the Triennial Period 1865-68, was awarded to Dr William Carmichael M'Intosh, for his paper on the British Nemertean and on some new British Annelids.

Monday, 4th January 1869.

DR LYON PLAYFAIR, C.B., M.P., Vice-President, in the
Chair, who said—

It was my painful duty last year to allude to the death of that great philosopher, Sir David Brewster, and within a few months we have now to deplore the loss of another philosopher, also great—I need not say that I allude to Principal Forbes. This Society is intimately identified with his life and labours. Long our Secretary, he did all that was in his power to promote its success. As a man of science, we are too intimate in this place with his researches to render it necessary that, on the present occasion, I should make a detailed allusion to them. His early and his latest researches were upon heat. He established the polarisation and double refraction of the heat ray, and proved the identity of thermal and luminous radiations. His last published research is upon the conduction of heat by iron. In this he has established that, like electricity, heat passes more slowly through a bar of elevated