

MONDAY, JUNE 11TH, 1855.

GEORGE PETRIE, LL. D., VICE-PRESIDENT,
in the Chair.

SIR WILLIAM R. HAMILTON commenced the reading of a Paper on some symbolical extensions of quaternions, and especially on a theory of associative quines.

2. Sir William R. Hamilton also commenced an account of some geometrical applications of his theories, especially as founded on the notion of the anharmonic quaternion, and as leading to an enlarged conception of involution, not merely in one plane, but on a sphere, and generally in space.

Dr. Allman drew the attention of the Academy to a peculiar organic production, forwarded by Dr. Harvey from Western Australia. Its nature is very obscure. Microscopical examination reveals a structure which would appear to indicate the true relations of the production in question to be with the algæ, and Dr. Allman, therefore, preferred placing it provisionally in this group. He named it, in accordance with the suggestion of Dr. Harvey, *Callwellia insignis*.

The following donations to the Museum were presented :

1. A leaden avoirdupois pound weight, found near Maynooth. It is stamped with the letters I * S, surmounted with a crown : presented by His Grace the Duke of Leinster.

2. A very beautiful stone ring found at the bottom of a heap of stones, called a Danish fire-place, or lime-kiln, in the townland of Muckcross, county of Fermanagh, in May, 1855 : presented by F. W. Barton, Esq.

3. A bronze brooch, retaining portions of white and red enamel : presented by Rev. Charles Graves, D. D.