

cias, serpentines, &c., as well as the cleavage of the slaty rocks,—as, indeed, the experiments of Mr. Sorby and of Professor Tyndall have already indicated. He concluded by suggesting to all geologists engaged in the examination of rocks the above mechanical considerations, as likely to lead to more definite views than at present prevail as to the origin of the metamorphic schists, and the internal structure of many of the older and more disturbed rocks of all characters.

MAY 26, 1858.

Henry Duckworth, Esq., Liverpool, David C. Macconnel, Esq., Tooting Common, John Entwisle, Esq., Russell Square, and Frederick Drew, Esq., Geological Survey of Great Britain, were elected Fellows.

The following communications were read:—

1. *On the PLEISTOCENE SEA-BED of the SUSSEX COAST, being the Western Extension of the RAISED SEA-BEACH OF BRIGHTON.* By JOSEPH PRESTWICH, F.R.S., Treas. Geol. Soc.

[The publication of this Paper is unavoidably deferred.]

2. *On the Sedimentary and other External Relations of the PALÆOZOIC FOSSILS OF THE STATE OF NEW YORK.* By J. J. BIGSBY, M.D., V.P.G.S.

[The publication of this Paper is unavoidably deferred.]

JUNE 9, 1858.

Major Edward Robert Wood, Stout Hall, Glamorganshire; Charles Falconer, Esq., Sackville Street; William S. Clark, Esq., Mining Engineer, Aberdeen, Glamorganshire; Thomas Evans, Esq., Government Inspector of Coal Mines, Cardiff; William Henry Le Fevre, Esq., Jersey; and John Millar, Esq., Bethnal House, Bethnal Green, were elected Fellows.

The following communications were read:—

1. *On the JOINTINGS in the CARBONIFEROUS and DEVONIAN ROCKS in the District around CORK; and on the DOLOMITES of the same District.* By Prof. ROBERT HARKNESS, F.R.S., F.G.S.

CONTENTS.

ON THE JOINTS.

Jointings in the "Brownstone" and "Yellow Sandstone."
 Jointings in the Carboniferous Limestone.
 Jointings in other rocks.