

hope to visit the further end of the Fjords, more especially of the Sagne Fjord. And, having had great experience in Glacier travelling, I shall spend some time, probably, about Fjerland, and the Justedal's Broeen. I shall be happy to do anything in that way also. I enclose my card, and any gentleman who may have a distinct operation to propose will meet with my best attention to his communication.

M. H.

LONDON, April 11, 1868.

ORMEROD'S INDEX TO THE QUARTERLY JOURNAL AND TRANSACTIONS OF THE GEOLOGICAL SOCIETY.

SIR,—I have kept up my interleaved copy of my Geological Index down to the end of last year, 1867. Thinking that you might feel interested in a tabular view of the progress of Geology, which is shown by a comparison of the number of papers and authors included in the Index (occupying a space of 49 years) with those in the manuscript Supplement (occupying a space of 12 years), I send you a copy which I think is satisfactory as to the results. The great point is the increase in the number of authors: 288 *fresh names* having appeared in the Quarterly Journal during the last twelve years, and these may be considered of course as only the *crème* of the Geologists. If the inclosed statistics are of any use to your Magazine, they are at your service.

	Titles of Papers in Index. 1807 to 1855 (inclusive). 49 years.	Titles of Papers in Supplement. 1856 to 1867 (inclusive). 12 years.	Authors of Papers in Index. 1807 to 1855.	Authors of Papers in Supplement. 1856 to 1867.
Tertiary & Recent.	575	436	310	{ 31 Old authors. 273 New ditto.
Secondary	693	434	330	{ 45 Old. 229 New.
Palæozoic	658	397	273	{ 47 Old. 184 New.
Metamorphic	190	112	104	{ 13 Old. 54 New.
Volcanic	288	170	145	{ 21 Old. 85 New.
Plutonic	180	110	101	{ 12 Old. 63 New.
Topographical.. } Geology	232	109	179	{ 6 Old. 81 New.
Miscellaneous... }				
Mining, etc.	216	144	144	{ 13 Old. 83 New.
Palæontology... } General	23	16	13	{ 1 Old. 11 New.
Fauna	493	353	162	{ 29 Old. 102 New.
Flora	80	50	39	{ 8 Old. 25 New.

DISTRICTS AND LOCALITIES DESCRIBED.

	Index.	Supplement.
British Islands	419	{ 100 Old Localities. 164 New ditto.
Europe	255	{ 61 Old. 161 New.
Asia	113	{ 18 Old. 26 New.
Australia	36	{ 9 Old. 16 New.
Africa	27	{ 6 Old. 15 New.
America, North	59	{ 10 Old. 12 New.
„ South	25	{ 6 Old. 21 New.
„ Islands.....	8	{ 2 Old. 4 New.

N.B. In this list a place is only entered once; but divisions, such as “North Devon” and “Devon,” would be counted as separate localities.

AUTHORS.

Number of authors in Index.....	536
Number of new authors in the Supplement.....	288
Number of old authors who have papers in the Supplement written on formations which they had not treated upon in Index	91
The number of authors writing on old subjects has not been calculated.	

CHAGFORD, EXETER.

GEO. WAR⁶. ORMEROD.

SUBMERGED FORESTS, AND RAISED SEA-BEACHES.

SIR,—In the Quarterly Journal of the Geological Society for February, page 4, Mr. Wynne says that peat and timber trees are found beneath the Youghal Strand. In accounting for this he goes into the old error of the necessity of a “subsidence of the land.” Mr. Wynne says: “At some time (about the close of the Glacial period perhaps) the land became depressed—it may be generally—as such evidences are common round the shores of Ireland as well as parts of England, but whether generally or locally, the land here sank to a depth of more than 90, perhaps 100 feet, or even more. Subsequently, to this depression of 90 or 100 feet the land rose again.” Mr. Wynne further says that, “On the landward side of the beach the low ground is covered with peat The water from the low boggy ground is conveyed through the beach by the usual contrivance of tidal floodgates or sluices, so that there is reason to believe that the peat on land and that beneath the bay are at the same level, and connected under the beach; and that the sea, by throwing the beach up, has banked itself out from a considerable portion of the low ground.”

This is the precise description which I have given in *Rain and Rivers* of our English so-called “submerged forests.” They are all *choked up estuaries*, and Mr. Wynne and every one else must see