

The author's object in this paper is to trace the successive stages in the development of the present coast of the north side of the English Channel, and to ascertain the sources of the diversified faunas.

The first traces of marine action on the South Coast in Post-Tertiary times are found on the foreshore in Bracklesham Bay. The author's reading of the section is somewhat different from that of the late Mr. Godwin-Austen; and he divides the marine series into (1) an estuarine clay with Mollusca common to estuarine flats; (2) a compact hard mud; and (3) a bed of fine sandy silt with many organisms. These beds indicate a change from estuarine to deep-water conditions. A full list of the Selsey fossils is given, including, amongst other animals, upwards of 200 Mollusca. Of 35 species of Mollusca not now living in Britain, the majority exist in Lusitanian, Mediterranean, or African waters; furthermore, nearly 45 per cent. of the Mollusca are common to the older Crags of the Eastern counties. The author considers the fauna of the Portland Bill shell-beds to indicate the further opening of the Channel subsequent to the formation of the Severn Straits, and believes that this fauna represents the deposits wanting between the Selsey mud-deposits and the erratic blocks which, according to him, overlie the mud; these Portland shells indicate an intermediate temperature "rather southern than northern" according to Dr. Gwyn Jeffreys.

In conclusion, details concerning still newer beds are given, and lists of fossils found therein; and the author observes that there is no evidence to show when the English Channel finally opened up, beyond the suggestion of Mr. Godwin-Austen that, if the Sangatte beds and the Coombe Rock are of the same period, it must have taken place after their formation.

---

## CORRESPONDENCE.

---

### PFAFF'S "ALLGEMEINE GEOLOGIE."

SIR,—By an inadvertence I have, in quoting Dr. Pfaff's work on p. 301 of the July Number of the *GEOL. MAG.* confused the title with that of a well-known work by Justus Roth. The true title of Pfaff's work referred to is *Allgemeine Geologie als exacte Wissenschaft*. I shall be greatly obliged if you can afford space for this correction in the forthcoming Number.

A. IRVING.

---

### MOLARS OF PERISSODACTYLA ;—A CORRECTION.

SIR,—In my notice on this subject on page 321, line 15 from top, I have inadvertently written *crotchet* instead of *anti-crotchet*.

R. LYDEKKER.

---