

XXXVIII. <i>Experimental Researches on the Transmission of Electric Signals through Submarine Cables.</i> —Part I. <i>Laws of Transmission through various lengths of one Cable.</i> By FLEEMING JENKIN, Esq. Communicated by C. WHEATSTONE, Esq., F.R.S.	page 987
XXXIX. <i>The Lignites and Clays of Bovey Tracey, Devonshire.</i> By WILLIAM PENGELLY, F.G.S. Communicated by Sir CHARLES LYELL, F.R.S.	1019
XL. <i>On the Fossil Flora of Bovey Tracey.</i> By Dr. OSWALD HEER, Professor of Botany, and Director of the Botanical Gardens in Zürich Communicated by Sir C. LYELL	1039
XLI. <i>On the Anatomy and Physiology of the Spongiadæ.</i> —Part III. <i>On the Generic Characters, the Specific Characters, and on the Method of Examination.</i> By J. S. BOWERBANK, LL.D., F.R.S., F.L.S. &c.	1087
<i>Index</i>	1137
APPENDIX.	
<i>Presents</i>	[1]

ERRATA.

Page 588, line 10 from bottom, cancel p at the end of the formula, which should be

$$v \frac{Ct}{p} - \frac{1}{3} A J K \left(\frac{273 \cdot 7}{t} \right)^2.$$

- 755, 7 lines from bottom, *for* Plate A. *read* Plate XXVII.
- 864, 8 lines from bottom of text, *for* fig. 2 *read* fig. 3.
- — 6 lines from bottom of text, *for* fig. 3 *read* fig. 2.
- 869, 13 lines from bottom of text, *for* more *read* less.