

- IX. *On circulating functions, and on the integration of a class of equations of finite differences into which they enter as coefficients.* By John F. W. Herschel, Esq. F. R. S. p. 144
- X. *On the fallacy of the experiments in which water is said to have been formed by the decomposition of Chlorine.* By Sir H. Davy, LL. D. F. R. S. p. 169
- XI. *The Croonian Lecture. On the changes the blood undergoes in the act of coagulation.* By Sir Everard Home, Bart. V. P. R. S. p. 172
- XII. *Some additions to the Croonian Lecture, on the changes the blood undergoes in the act of coagulation.* By Sir EVERARD HOME, Bart. V. P. R. S. p. 185
- XIII. *On the laws of polarisation and double refraction in regularly crystallized bodies.* By David Brewster, LL. D. F. R. S. Lond. and Edin. In a letter to the Right Hon. Sir Joseph Banks, Bart. G. C. B. P. R. S. p. 199

ERRATA.

- Page 72, under "Corr. for arc," line 2nd, for 1,15^s read 1,51.^s
 under "vibrations for 24 hours," line 2nd, for 86056,93 read 86057,29.
 "Great weight above," for mean 86057,70, read 86057,79.
- Page 86, Experiment B, for 86057,70, read 86057,79.
 Experiment B, under "Diff." for ,23 read ,14.
- Page 87, Experiment B, for 86059,93, read 86057,93.
- Page 116, line 22, for "constitute," read "constitutes."