

- XXII. *A Comparison of the late Imperial Standard Troy Pound weight with a Platina copy of the same, and with other standards of authority. Communicated by Professor SCHUMACHER, For. Memb. R.S., in a Letter to F. BAILY, Esq., V.P. and Treas. R.S.* . . . . . page 457
- XXIII. *On the Brain of the Negro, compared with that of the European and the Orang-Outang. By Dr. FREDERICK TIEDEMANN, Professor of Anatomy and Physiology in the University of Heidelberg, and Foreign Member of the Royal Society* . . . . . 497
- XXIV. *On the Respiration of Insects. By GEORGE NEWPORT, Esq., Member of the Royal College of Surgeons, and of the Entomological Society of London. Communicated by P. M. ROGET, M.D., Sec. R.S.* . . . . . 529
- XXV. *On the Connexion of the Anterior Columns of the Spinal Cord with the Cerebellum. By SAMUEL SOLLY, Esq., Lecturer on Anatomy and Physiology at St. Thomas's Hospital. Communicated by P. M. ROGET, M.D. Sec. R.S.* 567
- XXVI. *On the Temperatures and Geological Relations of certain Hot Springs, particularly those of the Pyrenees; and on the Verification of Thermometers. By JAMES D. FORBES, Esq. F.R.SS. L. & E., F.G.S., &c., and Professor of Natural Philosophy in the University of Edinburgh* . . . . . 571

APPENDIX.

*Meteorological Journal kept at the Apartments of the Royal Society, by order of the President and Council.*

CORRIGENDA.

- Page 350, line 9, *for of, read in which, and after called, insert is employed.*
- Page 352, line 25, *for it is excited, read the stimulus which excites it is applied.*
- Page 353, line 9 from bottom, *for effects, read effect.*
- Page 355, in the beginning of the first note, *insert Philosophical Transactions for 1822.*
- Page 358, line 1, *after shocks, insert "a fact analogous to the division of the spinal marrow leaving unimpaired its influence on the secreting and assimilating organs."—And line 7, for 1829, read 1833.*
- Page 360, line 11 from bottom, *after as well as, insert the maintenance of animal temperature and.—And in the 5th line below this line, after 1815, insert and 1831.*
- Page 361, line 10 from bottom of text, *after muscular, insert and sensorial, and for power, read powers.*
- Page 362, line 5, *for agents of that, read external.*
- Page 368, lines 11 and 16, *before nerves, insert vital, and after or, insert the.—And line 14, after part, insert every part being supplied with nerves belonging to both systems.—And in line 27, for this class of nerves, read nerves of sensation.*
- Page 369, line 7, *after system, insert and through the latter system over all parts of our frame.—And line 8, after latter, insert system.*
- Page 371, line 6, *after system, insert independently of the means of obtaining nourishment.—And line 6 from the bottom, for system, read systems.*
- Page 376, line 7, *after organs, insert under which circumstances medicine always operates as a permanent tonic.—And in line 24, after dominion, insert see Dr. ROGET's Treatise on Electricity.*