

# TRANSACTIONS

OF THE

*ROYAL SOCIETY OF EDINBURGH.*

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OF THE

ROYAL SOCIETY OF EDINBURGH.

V O L. II.



EDINBURGH:

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M.DCC.XC.

## E R R A T A.

*Phyf. Cl.* page 10. line 14. for properly read improperly.

————— 131. line 5. and 4. from the bottom, and also in the last line, for EY and EZ read Ey, Ez.

————— 134. line 5. for  $8(AD^2 + BD^2 + CD^2)$  read  $4(AD^2 + BD^2 + CD^2)$ .

————— 159. in the note, line 1. for  $\frac{m-n}{g}$  read  $\frac{m-n}{9}$ .

————— 204. line 5. from the bottom, for  $(100)^2$  read  $(10)^2$ .

*Lit. Cl.* page 9. line 4. for vindicates read indicates.

[Omitted in the List of Donations, page 80.]

By Mr Robert Kerr, Surgeon, Edinburgh.

Elements of Chemistry, by M. Lavoisier, translated from the French. 8vo. 1790.

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## DIRECTIONS FOR THE BINDER OF VOL. II.

The Binder is desired to observe, that the VOL. consists of Three Sets of Pages, to be arranged in the following order, immediately after the TABLE of CONTENTS, viz. PART I. containing the HISTORY of the SOCIETY: PART II. containing, I. PAPERS of the PHYSICAL CLASS; II. PAPERS of the LITERARY CLASS: And that the Plates are to be placed as follows, viz. the Plate entitled *Quassia Simaruba Mas.* facing page 82. *Phyf. Cl.* and *Quassia Simaruba Feminea*, immediately after it; the Plate entitled *Craig-Phadrick*, facing page 32. *Lit. Cl.* and *Dun-jardel* immediately following; and the other five according to the references marked on them.

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VOL. II. PART I.

*HISTORY OF THE SOCIETY.*

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C O N T E N T S

OF THE

S E C O N D V O L U M E .

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P A R T I . \*

*HISTORY of the SOCIETY.*

Dr James Hutton <i>on Written Language,</i>	-	Page 5.
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<i>Letter from the Tesboo Lama to Mr Hastings,</i>	-	19.
<i>Letter from the President Virly, on the use of Caustic Alkali in the Cure of Gravel,</i>	-	22.
<i>Report and Judgment relative to Count de Windischgratz's Problem,</i>	-	25.
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\* *N.B.* PART I. comprehending the HISTORY, is contained under one set of pages; and PART II. comprehending the PAPERS, is contained under two sets, *viz.* PAPERS of the PHYSICAL CLASS under the one, and PAPERS of the LITERARY CLASS under the other.

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- II. *Biographical Account of Sir Alexander Dick of Prestonfield, Bart. M. D.* - - - 58.
- III. *Biographical Account of the Right Hon. Sir Thomas Miller of Glenlee, Bart, Lord President of the Court of Session,* 63.
- LIST of DONATIONS, *continued from the first Volume,* 77.
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## P A R T II.

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- II. *An Account of the Method of making the Otter of Roses, as it is prepared in the East Indies. By Dr Donald Monro,* - - - 12.
- III. *Description of a Mercurial Level. By Mr Alexander Keith,* 14.
- IV. *Pathological Observations on the Brain. By Mr Thomas Anderfon,* - - - 17.
- V. *Experiments on the Expansive Force of Freezing Water, made by Major Williams at Quebec, in the years 1784 and 1785. Communicated by Dr Charles Hutton,* 23.
- VI. *Abstract of Experiments made to determine the true Resistance of the Air to the Surfaces of Bodies, of various Figures, and moved through it with different degrees of velocity. By Dr Charles Hutton,* 29.

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- VII. *Observations on the Places of the Georgium Planet, made at Edinburgh with an Equatoreal Instrument.* By Mr John Robifon, - 37.
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- XII. *Demonstrations of some of Dr Matthew Stewart's General Theorems.* By the Reverend Dr Robert Small, 112.
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- XIV. *On the Resolution of Indeterminate Problems.* By Mr John Leslie, - - 193.
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T R A N S-