TRANSACTIONS

OF THE

ROYAL SOCIETY OF EDINBURGH.

NEILL & Co. Printers, Edinburgh.

https://doi.org/10.1017/S0080456800028246 Published online by Cambridge University Press

TRANSACTIONS

OF THE

ROYAL SOCIETY OF EDINBURGH.

VOL. VI.



EDINBURGH,

PRINTED FOR CADELL AND DAVIES,

LONDON,

AND

ARCHIBALD CONSTABLE & CO. AND BELL & BRADFUTE,

EDINBURGH.

1812

CONTENTS

OF THE

SIXTH VOLUME.

HISTORY of the SOCIETY.

Carta	Nova	Erectie	ənis S	Societatis		Regalis	Edinburgi,		
1808	3,	-	-			-	•	Pag	ge iii
Laws	of the	Royal	Society	y of .	Edinb	urgh, d	enacted	23d	
May	, 1811,		-	•	-	-		-	ix
Presen	ts made	to the	Royal	Societ	y of	Edinbur	gh sinc	e the	
, Y	ear 180	9,	-		-		-	-	xv
	Eastern		ns of K , one of ict of t	incard the m he Gr	linesh iost el ampio	ire to th evated	he summ points i	nit of n the	3
H . 2	1 Geom resting	etrical 1 Proper							
	Glenie		0	-		-	-		21
		-							III.

CONTENTS.

 III. Account of a Series of Experiments, shewing the Effects of Compression in modifying the Action of Heat. By Sir James Hall, Bart. 	71
IV. Of the Solids of Greatest Attraction, or those which, among all the Solids that have certain Properties, Attract with the greatest Force in a given Direc- tion. By Mr Playfair Page	187
V. An Account of a very extraordinary Effect of Rare- faction, observed at Ramsgate, by the Reverend S. Vince. Communicated by Patrick Wilson, Esq.	2 45
VI. Some Account of the large Snake Alea-azagur, (Boa Constrictor of Linnæus), found in the Province of Tipperah. Communicated by Mr. James Russell.	249
VII. Chemical Analysis of a Black Sand, from the River Dee in Aberdeenshire; and of a Copper Ore, from Arthrey in Stirlingshire. By Thomas Thomson, M.D.	253
VIII. New Series for the Quadrature of the Conic Sections, and the Computation of Logarithms. By Mr Wal- lace.	269
IX. Remarks on a Mineral from Greenland, supposed to be Crystallised Gadolinite. By Thomas Allan, Esq.	345
X. On the Progress of Heat when communicated to Spherical Bodies from their Centres. By Mr Play- fair.	
	XI.

CONTENTS.

- XI. Experiments on Allanite, a new Mineral from Greenland. By Thomas Thomson, M. D. 371
- XII. A Chemical Analysis of Sodalite, a new Mineral from Greenland. By Thomas Thomson, M. D. 387.
- XIII. Demonstration of the Fundamental Property of the Lever. By David Brewster, LL. D. - 397
- XIV. On the Rocks in the vicinity of Edinburgh. By Thomas Allan, Esq. - - - 405.