CONTENTS
OF

VOL. LXXX. PART I.

I. ACCOUNT of the Discovery of a Sixth and Seventh Satellite of the Planet Saturn; with Remarks on the Construction of its Ring, its Atmosphere, its Rotation on an Axis, and its Spheroidal Figure. By William Herschel, LL.D. F. R. S.

II. Astronomical Observations on the Planets Venus and Mars, made with a View to determine the heliocentric Longitude of their Nodes, the annual Motion of the Nodes, and the greatest Inclination of their Orbits. By Thomas Bugge, F. R. S. Regius Professor of Astronomy at Copenhagen, Member of the Academies of Stockholm, Copenhagen, Manheim, and Drott-}


V. An Account of a luminous Arch. In a Letter from the Rev. Mr. B. Hutchinson to Sir Joseph Banks, Bart.

VI.
CONTENTS.

VI. Extract of a Letter from J. Franklin, Esq. relative to a luminous Arch. Communicated by Sir Joseph Banks, Bart. P. R. S. p. 46

VII. An Account of some luminous Arches. In a Letter from Edward Pigott, Esq. to Sir Henry C. Englefield, Bart. F. R. S. p. 47

VIII. Experiments on the Analysis of the Heavy Inflammable Air. By William Austin, M. D. Fellow of the College of Physicians; communicated by Charles Blagden, M. D. Soc. R. S. p. 51

IX. Some Account of the Strata and Volcanic Appearances in the North of Ireland and Western Islands of Scotland. In two Letters from Abraham Mills, Esq. to John Lloyd, Esq. F. R. S. p. 73

X. On the Height of the luminous Arch which was seen on Feb. 23, 1784. By Henry Cavendish, Esq. F. R. S. and A. S. p. 101


XII. An Account of the Trigonometrical Operation, whereby the Distance between the Meridians of the Royal Observatories of Greenwich and Paris has been determined. By Major-general William Roy, F. R. S. and A. S. p. 111

APPENDIX.

Meteorological Journal kept at the Apartments of the Royal Society, by Order of the President and Council.
THE ECONOMY AND POLITICAL STATE OF THE KOREI EMPIRE.

In the year 1810, the high officials of the Court of the King of Korea, were requested to send a commission to examine the situation of the nation, and to prepare a report thereon. The commission consisted of the following members: 

1. The Minister of War, 
2. The Minister of the Treasury, 
3. The Minister of the Interior, 
4. The Minister of the Interior, 
5. The Minister of the Interior, 
6. The Minister of the Interior, 
7. The Minister of the Interior, 
8. The Minister of the Interior, 
9. The Minister of the Interior, 
10. The Minister of the Interior.

The commission was instructed to visit all parts of the kingdom, and to inquire into the state of the people, their industry, their habits, their customs, and their religion. They were also to investigate the condition of the army, the navy, and the government, and to report their findings to the King.

The commission arrived in the capital city of Seoul in 1811, and began their work immediately. They visited the various provinces of the kingdom, and took notes of their observations. They were impressed with the industriousness of the people, and the cleanliness of their villages. They were also struck by the loyalty of the people to their king, and the respect they paid to their ancestors.

The commission submitted their report to the King in 1812. The report was highly favorable to the state of the kingdom, and the King was pleased with it. He ordered that the commission should continue their work, and that they should prepare a comprehensive report on the economy and political state of the kingdom.

The commission continued their work for several years, and in 1820 they submitted their final report to the King. The report was highly favorable to the state of the kingdom, and the King was pleased with it. He ordered that the report should be printed and circulated throughout the kingdom, and that the people should be informed of the good state of the kingdom.

The report was published in 1821, and it was widely read throughout the kingdom. It was highly praised for its accuracy and fairness, and it was widely recognized as a valuable contribution to the study of the economy and political state of the kingdom.

The commission was highly commended for their work, and the King ordered that they should be rewarded for their services. They were given a sum of money, and they were also given a position of honor in the government.

The commission was highly regarded by the people of the kingdom, and they were considered to be the most knowledgeable and respected men in the kingdom. They were widely respected for their wisdom and their integrity, and they were considered to be the most trustworthy men in the kingdom.
The Royal Society of London
PHILOSOPHICAL
TRANSACTIONS,
of the
ROYAL SOCIETY
OF
LONDON.
VOL. LXXX. For the Year 1790.
PART II.

LONDON,
SOLD BY LOCKYER DAVIS, AND PETER ELMSLY,
PRINTERS TO THE ROYAL SOCIETY.
MDCCXCII.
CONTENTS

OF

VOL. LXXX. PART II.

XIII. An Account of the Tabasheer. In a Letter from Patrick Russell, M.D. F.R.S. to Sir Joseph Banks, Bart. P.R.S. Page 273

XIV. Account of the Nardus Indica, or Spikenard. By Gilbert Blanc, M.D. F.R.S. p. 284

XV. An Account of some extraordinary Effects of Lightning. By William Withering, M.D. F.R.S. p. 293


CONTENTS

XXI. Determination of the Longitudes and Latitudes of some remarkable Places near the Severn. In a Letter from Edward Pigott, Esq. to Sir Henry C. Englefield, Bart. F. R. S. p. 385

XXII. Experiments and Observations on the Matter of Cancer, and on the aerial Fluids extricated from animal Substances by Distillation and Putrefaction; together with some Remarks on sulphureous hepatic Air. By Adair Crawford, M. D. F. R. S.

p. 391

XXIII. On the Satellites of the Planet Saturn, and the Rotation of its Ring on an Axis. By William Herschel, LL.D. F. R. S.

p. 427

XXIV. On Spherical Motion. By the Rev. Charles Wildbore; communicated by Earl Stanhope, F. R. S.

p. 496


p. 560

APPENDIX.

Remarks on Major-General Roy's Account of the Trigonometrical Operation, from Page 111. to Page 270. of this Volume.

By Mr. Isaac Dalby.

p. 593

ERRATA.

PART I.

P. 229. last column of the Table, and last line but one of that column, for 17 36 read 17 16.

P. 250. Triangle XIII, distance of Norwood from Chislehurst Church in feet, for 35771.9 read 36771.9.

PART II.

P. 346. 1. 3. for May 22. read May 20.

P. 370. 1. 23. for by read without.

PHI-