

HALES.

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At a Meeting of the Council of the Royal Society,
Feb. 28, 173³.

*THE greatest Part of this Second
Volume of Statical ESSAYS, by
Stephen Hales, B. D. F. R. S. having
been read at several Meetings of the
Royal Society, for which he had their
Thanks, it is ordered that he be de-
sired to Print the same.*

Hans Sloane, P. R. S.

Statical ESSAYS:

CONTAINING

HÆMASTATICKS;

OR,

An Account of some HYDRAULICK and
HYDROSTATICAL Experiments made on
the Blood and Blood-Vessels of Animals.

ALSO

An Account of some Experiments on Stones in the
Kidneys and Bladder; with an Enquiry into
the Nature of those anomalous Concretions.

To which is added,

An APPENDIX,

CONTAINING

OBSERVATIONS and EXPERIMENTS relating
to several Subjects in the first Volume. The
greatest Part of which were read at several
Meetings before the Royal Society.

With an INDEX to both VOLUMES.

VOL. II.

*Desideratur Philosophia Naturalis vera & activa cui
Medicinæ Scientia insidificetur.*

Fran. de Verul. Instaur. Magna.

By STEPHEN HALES, B. D. F. R. S.
Rector of Farringdon, Hamshire, and
Minister of Teddington, Middlesex.

LONDON:

Printed for W. INNYS and R. MANBY, at the West-
End of St. Paul's;

And T. WOODWARD, at the Half Moon between the
Temple-Gates, Fleetstreet. MDCCXXXIII.

TO THE
K I N G ' S

Most Excellent Majesty.

S I R,

YOUR Majesty's gracious Acceptance of my former Volume of Experiments, has encouraged me, both further to pursue these natural Researches, and also

to lay the Result of them at
Your Feet.

The Study of Nature will ever yield us fresh Matter of Entertainment, and we have great reason to bless God, for the Faculties and Abilities he has given us, and the strong Desire he has implanted in our Minds, to search into and contemplate his Works, in which the farther we go, the more we see the Signatures of his Wisdom and Power, every Thing pleases and instructs us, because in every Thing we see a wise Design.

As

As the beautiful Fabrick of this World was chiefly framed for and adapted to the Use of Man, so the greater insight we get into the Nature and Properties of Things, so much the more Beneficial will they be to us, the more will our real Riches thereby increase, the more also will Man's original Grant of Dominion over the Creatures be enlarged.

Your Majesty's Subjects of *Great Britain* are allowed by the candid Confession of other Nations, to excell in experimental Philosophy, which has

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long

long been found to be most beneficial to Mankind.

As the Advancement of Arts and Sciences much depends on the Protection of Princes, whose Patronage they are well worthy of; so we have a pleasing Prospect of their flourishing under Your Majesty's auspicious Favour, whose Care and Concern for the Welfare and Prosperity of His People, is in every respect most extensive.

That Your Majesty, after having long continued a
Blessing

Blessing to Your Subjects in a prosperous Reign here on Earth, may hereafter enjoy a happy Immortality in Heaven, is the sincere Prayer of,

May it please Your Majesty,

Your Majesty's

most humble and

dutiful Subject,

STEPHEN HALES.