PRESENTS

RECEIVED BY THE

ROYAL SOCIETY,

From November 1792 to June 1793.

WITH THE

NAMES OF THE DONORS.

1792.


Discours qui ont été lus dans l'Assemblée publique de l'Academie des Sciences de Berlin, tenue le 26 Janv. 1792. Berlin, 1792.


Connubia Florum, Auctore D. De la Croix; Notas et Observationes adjunct R. Clayton. Bathoniæ, 1791.


An Essay upon single Vision with two Eyes, by W. C. Wells, M. D. London, 1792.

DONORS.
The Royal Academy of Sciences of Berlin.
The Society for the Encouragement of Arts, Manufactures, and Commerce.
The Medical Society of London.
The Corporation of Harvard University, in America.
Sir Joseph Banks, Bart. P. R. S.
Comte de Hertzberg, F. R. S.
Professor de Jacquin, F. R. S.
Samuel Foart Simmons, M. D. F. R. S.
Sir Richard Clayton, Bart.
George Montagu, Esq.
William Charles Wells, M. D.

MDCCXCIII. 2 H
PRESENTS.
The Rise, Progress, and present State of Medicine; a Discourse delivered before the Middlesex Medical Association, by B. Waterhouse. Boston, 1792. 8°
Prodromo di Fisica Vegetabile di A. Comparetti. Padova, 1791. 8°
Lettere due del Sig. M. C. al cel. Sig. M. G. Padova, 1791. 8°

Nov. 15. Discours qui a remporté le Prix à l'Académie de Chalons en l'Année 1783. Beauvais, 1789. 4°
A Descriptive Account of a Descent made into Penpark-hole, in the year 1775. Bristol, 1792. 8°

Commentarii de Rebus in Scientia Naturali et Medicina gestis, Volumen XXXIII. Lipsiae, 1791. 8°
Museum Leverianum, No. 3 and 4. 4°
J. Dickson Fasciculus secundus Plantarum Cryptogamicarum Britanniae. Londini, 1790. 4°

Dissertation sur les Causes qui ont produit l'Espece de Contradiction que l'on remarque entre deux Decrets de l'Assemblée Nationale. 8°

13. Transactions of a Society for the Improvement of Medical and Chirurgical Knowledge. London, 1793. 8°

Collections for an History of Sandwich, by W. Boys. Canterbury, 1792. 4°
Memoir on the Use of the Thermometer in Navigation, by J. Williams. Philadelphia, 1792. 4°

20. Astronomisches Jahrbuch für das Jahr 1795, von J. E. Bode. Berlin, 1792. 8°
Projet des Orbites Paraboliques de 72 Cometes, dont le Cours a été calcule jusqu'ici, reduite au Plan de l'Orbite de la Terre, par M. Bode. fol. pat.
A Treatise on the Hydrocele, by J. Earle. London, 1791. 8°
A short Account of the Life of Mr. Percival Pott. 8°
A Case of Extra-Uterine Gestation, of the Ventral Kind, by W. Turnbull. London, 1791. 4°

1793.


DONORS.
Professor Waterhouse, of Cambridge, in America.
Professor Comparetti, of Padua.
M. Buquet, of Beauvais.
Mr. George Symes Catcott.
William Withering.
M. D. F. R. S.
Mr. Hurlock, F. R. S.
Mr. James Parkinson.
Mr. James Dickson.
T. Keate, Esq.
Mr. John Pearson.
M. Hourcagreau.
The Society for the Improvement of Medical and Chirurgical Knowledge.
William Boys, Esq.
Mr. Williams, Secretary to the American Philosophical Society.
Mr. J. E. Bode, F. R. S

James Earle, Esq.
Mr. William Turnbull.
The Royal Academy of Sciences of Stockholm.
PRESENTS.

and Tom. XIII. for 1792, 1st and 2d quarter.
Stockholm.

Extrait des Observations Astronomiques et Physiques, fätes à l’Observatoire en l’Année 1791.

Medical Commentaries for the Year 1792, collected by A. Duncan. Edinburgh, 1793.


Museum Leverianum, No. 5.


De Calculo Integralium, Exercitatio P. Ferronii. Florentiae, 1792.

Histoire de la Noblesse Héréditaire des Gaulois, par C. J. de Bevy. Tome I. Londres, 1791.


The Doctrine of Universal Comparison, or General Proportion, by J. Glenie. London, 1780.

PRESENTS.

Memoire sur les Revolutions des Etats, lu dans l'Assemblee publique de l'Academie des Sciences de Berlin, le 6 Octobre, 1791, par le Comte de Hertzberg. 8°

Preis-schriften von der anwendbarkeit der Koppelpirnschaft in der Mark Brandenburg, nebst bemerkungen des Grafen von Hertzberg über eben diesen gegendenstand. Berlin, 1793. 8°

E. F. von Hertzberg; auszug aus Weidlichs biographie der jeztlebenden Rechtsgelehrten. 8°

Auszug aus Forsters erinnerungen betreffend den Gr. von Hertzberg. 8°

Lectures on the Elements of Farriery, by C. Vial de Sainbel. London, 1793. 4°; with a set of Models of Horses Hoofs and Shoes.

18. Historical View of Plans for the Government of British India, 1792. 4°

May 9. Substance of the Speech of the Right Honourable Henry Dundas, on the British Government and Trade in the East Indies, April 23. 1793. 4°

A Sketch of two Boats and a Cutter, with sliding Keels, agreeable to a Scheme suggested by Captain Schank. fol. pat.


The Theory and Practice of finding the Longitude at Sea or Land, by A. Mackay. London, 1793. 8°

30. The Transactions of the Royal Irish Academy, Vol. IV. Dublin. 4°

Considerations on the Utility of the National Debt, by E. King. London, 1793. 8°

June 6. The antecedental Calculus, by J. Glenie. London, 1793. 4°


A new System of the Spleen, by N. Robinson. London, 1729. 8°

An Essay on the Materia Medica, by J. Moore. London, 1792. 8°

On Electric Atmospheres, by E. Peart. Gainsborough, 1793. 8°

Theorie des Vents, par M. le Chev. de la Coudraye. Fontenay, 1786. 8°

DONORS.

Comte de Hertzberg, F. R. S.

Mr. Vial de Sainbel.

The Right Hon. Henry Dundas.

John Bruce, Esq. F. R. S.

Captain Schank, of the Royal Navy.

John Clarke, M. D.

The Society of Anti-queries.

Mr. Andrew Mackay.

The Royal Irish Academy.

Edward King, Esq. F. R. S.

James Glenie, Esq. F. R. S.

René Desgenettes, M. D.

Alexander Dalrymple, Esq. F. R. S.

Jonathan Watson, Esq. F. R. S.

Mr. James Moore.

E. Peart, M. D.

Chevalier dela Coudraye.
# Index to the Philosophical Transactions for the Year 1793

## A

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abernethy, Mr. John</td>
<td>Account of two instances of uncommon formation in the viscera of the human body</td>
<td>59</td>
</tr>
<tr>
<td>Alverstoke, Hants.</td>
<td>Account of two rainbows, seen there at the same time</td>
<td>1</td>
</tr>
<tr>
<td>Atlas East-India ship</td>
<td>Abstract of the journal of,</td>
<td>190</td>
</tr>
<tr>
<td>Atmospheres, electrical, their effects upon frogs, and other small animals</td>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>

## B

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barker, Thomas, Esq.</td>
<td>Abstract of a register of the barometer, thermometer, and rain, at Lyndon, in Rutland, with the rain in Surrey and Hampshire, for the year 1792; and a comparison of wet seasons</td>
<td>220</td>
</tr>
<tr>
<td>Barometer, register of, at Lyndon, in Rutland,</td>
<td></td>
<td>220</td>
</tr>
<tr>
<td>Bay of Biscay, remarks on,</td>
<td></td>
<td>187</td>
</tr>
<tr>
<td>Bell, Mr. William</td>
<td>Description of the double horned rhinoceros of Sumatra,</td>
<td>3</td>
</tr>
</tbody>
</table>
INDEX.

Bell, Mr. William. Description of a species of chaetodon, called, by the Malays, Ecan bona, 7
Benares, further particulars respecting the observatory there, 45
——— Account of the method of making ice there, 56, 129
Bile, instance of its secretion from arterial blood, 61
Blagden, Sir Charles, Knt. Extract of a letter from, giving some account of the tides at Naples, 168
Blood vessels, uncommon state of, in the human body, 60

C

Canal, alimentary, uncommon formation of, in the human body 64
Caterpillars, not affected by electricity, 32
Chaetodon, description of a species, called, by the Malays, Ecan bona 7
Ciliary processes, opinions respecting their use, 170
Circle, its advantages for astronomical purposes, 93
——— of brass, description of one in the observatory at Benares 47
Clarke, John, M.D. Description of an extraordinary production of human generation, with observations, 154
Clock, description of one of a peculiar construction, 87
Coating, metallic, its use in experiments of animal electricity, 18
——— of different metals, in what cases necessary, 20, 24
Colon, uncommon length of, in the human body, 64
Comet, account of the discovery of one, 50
——— of 1793, observations of, 55
Crystalline lens, muscularity of, supposed by Descartes, and Dr. Pemberton, 170
——— discovered by Leeuwenhoek, 176
——— of an ox described, 172
——— of fishes, remarks on, 177
Current, observations on one that prevails to the westward of Scilly, 182

D

Dial, equinoctial, description of one in the observatory at Benares, 47
Discoveries, account of some, made by Mr. Galvani, of Bologna, 10

E

Ecan bona, description of a species of chaetodon so called, by the Malays, 7
Electric atmospheres, their effects on frogs, and other small animals, 11
INDEX.

Electricity, new discovered law in, - - - 20, 31
--------- estimate of the quantity necessary to produce certain
        effects in a frog, - - - - 15
--------- animal, account of the discovery so called, - 10
Electrometer, a new kind, called an animal one, - 16
Equatorial instrument, account of, - - - 67
Evaporation, remarks on its power in generating cold, - 130
Eye, experiments on, - - - - 179

F

Fishes, remarks on their crystalline lens, - - - 177
Fluids, description of an instrument for ascertaining the specific
        gravities of, - - - 164
Foetus, remarks on the powers and functions of, - - 161
Frogs, effect of electric atmospheres upon them, - - 11
--------- experiments with, - - - - 24, 29, 38

G

Galvani, Mr. Account of some discoveries made by him, - 10
Generation, human, description of an extraordinary production of, 154
Gravities, specific, of fluids, description of an instrument for as-
        certaining, - - - 164
Gregory, the Rev. Edward. Extracts of two letters from,
        containing an account of the discovery of a comet, with obser-
        vations, - - - - 50

H

Hampshire, register of rain in that county, - - 220
Heart, uncommon transposition of, in the human body, - 60
Hector East-India ship, effects of a current upon, - 189
Herschel, William, LL. D. Observations on the Planet Ve-
        nus, - - - - 201
Human body, uncommon formation in the viscera of, - 59

I

Ice, account of the method of making it at Benares, - 56, 129
Immersion of γ Tauri, observation of, - - 53
Insects, some kinds not affected by electricity, - - 32
--------- experiments on, - - - - 33
INDEX.

Instrument for ascertaining the specific gravities of fluids, description of, - - - - - 164
Intestines, uncommon formation of, in the human body, - 64
Journal of the Atlas East-India ship, abstract of, - 190

L

Lamp micrometer, remarks on, - - - - 215
Level, one of extraordinary sensibility described, - 92
Leyden phial, remarks on the supposed analogy of, to some phænomena of animal electricity, - - - 19, 29
Lighthouse, remarks on that of Scilly, - - 198
Liver, uncommon state of, in the human body, - - 61
Lizards, experiments on, - - - - 38

M

Maskelyne, the Rev. Nevil, D. D. Observations of the comet of 1793, made by him, and other observers, - - 55
Monster, description of an extraordinary one, - - 154
- - - - remarks on monsters, - - - - 157
Mountains said to have been seen in Venus, remarks on, - - 202
Muscles, experiments on muscles, and pieces of muscle, - 28, 30, 35
- - - - not immediately affected by electricity, - - - 21, 36
- - - voluntary ones not affected by weak currents of electricity, - - - - 34
Muscularity of the crystalline lens, supposed by Descartes and Dr. Pemberton, - - - - - 170
- - - - - discovered by Leeuwenhoek - - 176
Musschenbroek, attempt to solve some optical queries proposed by him, - - - - - 178

N

Naples, some account of the tides there, - - - 168
Nerves, the only parts immediately affected by electricity, - 21, 36
- - - experiments on, - - - - 23

O

Observatory at Benares, further particulars respecting, - - 45
Optical queries, attempt to solve some - - 178
Ox, the crystalline lens of, described, - - 172
INDEX.

**P**

*Parallactic machine*, remarks on an instrument so called,  -  73
*Placenta*, remarks on its vessels,  -  -  160
*Porous vessels*, their use in making ice,  -  -  57
----------------- experiments on the effect of the evaporation pro-
duced from them,  -  -  -  129
*Presents* received by the Royal Society, from November 1792 to
June 1793,  -  -  -  -  229
*Production, extraordinary, of human generation*,  -  -  154
*Projection table*, remarks on an instrument so called,  -  215

**Q**

*Quadrant of stone*, in the observatory at Benares, described,  -  46
*Quadrupeds*, experiments on,  -  -  -  23, 25, 27
*Queries, optical*, attempt to solve some,  -  178

**R**

*Rain* in Rutland, Surrey, and Hampshire, register of,  -  220
--- comparative tables of,  -  -  223
*Rainbows*, account of two, seen at the same time,  -  -  1
*Ramsden, Mr. Jesse*, description of an instrument made by him,  75
*Rennell, James*, Esq. Observations on a current that often
prevails to the westward of Scilly; endangering the safety of
ships that approach the British Channel,  -  -  182
*Rhinooceros*, double horned, of Sumatra, description of  -  3

**S**

*Saturn*, remarks on some appearances said to have been seen in
that planet,  -  -  -  -  -  -  202
*Schmeisser, John Godfrey*. Description of an instrument for
ascertaining the specific gravities of fluids,  -  -  -  164
*Scilly*, observations on a current that often prevails to the west-
ward of,  -  -  -  -  -  182
--- remarks on the light-house there,  -  -  198
*Short, Mr. James*, first applied a telescope to a combination of
circles,  -  -  -  -  71
*Shuckburgh, Sir George*, Bart. An account of the equatorial
instrument,  -  -  -  67
*Smeaton, Mr.* account of an experiment made by him,  -  185
INDEX.

Soundings, proposal respecting, between the parallels of Scilly and Ushant, - - - - - 198
Sturges, the Rev. Dr. An account of two rainbows, seen at the same time at Alverstoke, Hants, July 9, 1792, - 1
Sumatra, description of the double horned rhinoceros of, - 3
Surrey, Register of rain in that county, - - 220

T

Tatties, a kind of mat so called, their use in cooling rooms, - - - - 130
Tauri γ, observation of an immersion of, - - - 53
Thermometer, state of, at Benares, - - - - 130
—— register of, at Lyndon, in Rutland, - - - 220
Tides, at Naples, some account of, - - - - 168
—— effect of wind on them, - - - - 185
Tongue, human, experiment upon, - - - - 42
Tongues of quadrupeds, experiments with, - - - - 43
Transit circle, description of one, - - - - 133
Tumors, remarkable ones on the bones of a fish, - - 8

U

Uvea, supposed by Dr. Jurin to be muscular, - - - - 171

V

Vascular system, remarks on its powers, - - - - 161
Venus, observations on, - - - - 201
—— remarks on the size of that planet, - - - - 217
Viscera of the human body, uncommon formation in, - - - 59
Vision, observations on, - - - - 169
Volta, Mr. Alexander. Account of some discoveries made by Mr. Galvani, of Bologna; with experiments and observations on them, - - - - 10

W

Wall, circular, in the observatory at Benares, described, - - 48
Weather of 1792, remarks on, - - - 221, 226
Wet seasons, comparison of, - - - - 223
Williams, John Lloyd, Esq. Further particulars respecting the observatory at Benares, of which an account, with plates, is given by Sir Robert Barker, in the LXVIIth Vol. of the Philosophical Transactions, - - - 45
INDEX.

Williams, John Lloyd, Esq. Account of the method of making ice at Benares, - - 56

additional observations on the method of making ice at Benares, - - 129

Wind, remarks on its effect on water, - - 185

Wollaston, the Rev. Francis, LL. B. A description of a transit circle, for determining the place of celestial objects as they pass the meridian, - - 133

Worms, the class of animals so called not affected by electricity, - 32

experiments on, - - 32

Y

Young, Thomas. Observations on vision, - - 169

Ys, of a peculiar construction, described, - - 137

From the Press of
W. Bulmer & Co.

Cleveland-Row, St. James's.