

Cambridge University Press

978-1-108-02557-7 - Memoirs of the Life, Writings, and Discoveries of Sir Isaac Newton, Volume 2

David Brewster

Index

[More information](#)

INDEX.

- | | |
|--|---|
| <p>ABERRATION, Spherical, i. 34; of Colour, 39.
 Absorption of Light, i. 156.
 Achromatic Telescope, More Hall's, i. 98; Dollond's, 99; Fraunhofer's, 102.
 Acids, on the nature of, ii. 294.
 Adams, Mr., i. 303, 320; ii. 414.
 Addison, Mr., i. 292; ii. 114.
 Epinus, i. 208.
 Airy, Mr., i. 47, 108, 303, 315.
 Alari, Abbé, ii. 313.
 Albert, Prince, i. 98.
 Alchemy, i. 367; ii. 77, 298.
 Alison, Dr., i. 197, 202.
 Aluminium, ii. 299.
 Annesley, Mr., ii. 334.
 Apocalypse, ii. 259.
 Arago, M., i. 179, 303, 321, 327.
 Arbuthnot, Dr., ii. 140, 155, 167, 168, 384.
 Arcameedes, i. 336.
 Arius, ii. 273.
 Arlaud, M., ii. 392.
 Asteroids, i. 324.
 Aston, Francis, i. 365; Newton's letter to him, 366; ii. 177.
 Aston, Lord, i. 297.
 Astronomy, History of, before Newton, i. 219; after his death, 300.
 Athanasius, Paradoxical Questions regarding, ii. 272.
 Atterbury, Bishop, ii. 337.
 Attractions, Elective, ii. 296.
 Ayscough, Mr., the Guardian of Newton, i. 5, 6, 14, 18; ii. 334.</p> <p>BABINGTON, Dr., ii. 50, 59.
 Bacon's Philosophy, ii. 325.
 Baily, Mr. Francis, <i>Pref.</i> xi., i. 317; ii. 110, 165, 171, 183.
 Balderston, John, ii. 66.
 Barber, Mrs., ii. 387.
 Barberino, Cardinal, i. 243.
 Barrow, Dr., on Colours, i. 21, 24, 32, 33, 61, 423.</p> | <p>Bartholinus, on Double Refraction, i. 187.
 Barton, Mrs. Catherine, ii. 157, 208, 218, 271, 272, 385, 387, 397.
 Bayle, ii. 223, <i>note</i>.
 Behmen, Jacob, ii. 297.
 Bellarmine, Cardinal, i. 241.
 Bentley, Dr., assists in editing the Principia, i. 274, 294, 297; Newton's letters to him, ii. 79, 188, 192, 367.
 Berkeley, Bishop, ii. 114.
 Bernard, M., i. 110.
 Bernoulli, John, i. 289, 349; ii. 15, 18, 30, 140, 227, 231, 234, 308, 392, 395.
 Bernoulli, James, i. 362; ii. 398.
 Bernoulli, Nicholas, ii. 32, 235, 397, 402.
 Bernoulli, Daniel, i. 315
 Bessel, M., i. 320.
 Bethune, Mr. Drinkwater, ii. 340.
 Bigmon, Abbé, ii. 153.
 Binocular Vision, i. 191, 396.
 Biot, M., ii. 31, 43, 85, 88, 93, 120, 122, 132, 204, 250, 270, 290, 293.
 Blair, Dr., i. 101.
 Boerhaave, Dr., ii. 55.
 Bond, Mr., i. 323.
 Bontemps, M., i. 102.
 Borelli on Gravity, i. 246, 403.
 Bouillaud, i. 246, 403.
 Bouvard, M., i. 319.
 Boyle, Robert, i. 127, 137, 381; ii. 76, 79, 300, 366.
 Bradley, Dr., i. 317.
 Braybrooke, Lord, ii. 94.
 Briggs, Dr. William, i. 191, 390.
 Brorsen, M., i. 328.
 Brougham, Lord, his discoveries on the Inflection of Light, <i>Pref.</i> x., xiii., i. 183; his Analysis of the Principia, 425; ii. 147, 321.
 Brown, Dr. Thomas, i. 202.
 Brown, Mr. Robert, <i>Pref.</i> xi.
 Buchanan, George, i. 227.
 Burgess, Dr., ii. 266, 406.
 Burnet, Dr. Thomas, i. 27; ii. 57, 62, 357.
 Burnet, Bishop, ii. 2 <i>note</i>, 333.</p> |
|--|---|

Cambridge University Press

978-1-108-02557-7 - Memoirs of the Life, Writings, and Discoveries of Sir Isaac Newton, Volume 2

David Brewster

Index

[More information](#)

430

INDEX.

- CAMPBELL, Capt., i. 211.
 Cardan, ii. 326.
 Caccini, Friar, i. 241.
 Cassini, Dominique, i. 281.
 Cassini, James, ii. 152.
 Cassegrain's Telescope, i. 42.
 Castelli, Abbé, i. 240.
 Cavalieri, i. 338, 423.
 Cavelier, M., ii. 237.
 Cavendish, Mr., i. 317.
 Challis, Professor, i. 320.
 Chaloner, William, his Charges against Newton, ii. 144, 148; his execution, 148.
 Chamberlayne, Mr., ii. 16, 20, 21, 225.
 Charta Volans, ii. 18, 232.
 Chaulnes, Duke de, i. 152.
 Chemical Studies of Newton, ii. 288.
 Cheselden, Mr., ii. 315, 336.
 Cheyne, Dr., iii. 336.
 Chossat, M., i. 191.
 Chronology of Newton, ii. 236, 246.
 Churchill, Mr., ii. 177.
 Clairaut, M., i. 286, 304, 314.
 Clark, Mr., i. 6; ii. 288.
 Clark, Sir George, ii. 165.
 Clarke, Dr. Samuel, i. 217, 291, 294; ii. 198, 222.
 Collins, J., i. 61, 112, 345; ii. 15.
 Collins, Sir, ii. 85.
 Colours, Vossius on, i. 34; Barrow on, 24; Newton on, 35.
 Colours of Natural Bodies, i. 154-6; arrangement of, 157.
 Colson, Mr., i. 346.
 Comets, i. 287; within the Solar System, 326; Encke's, Biela's, Faye's, Vico's, Borsen's, and Peters's, 326-8.
 Conduitt, Mr., *Pref.* viii., i. 11, 12, 15; ii. 212, 271, 313, 316, 321, 404.
 Conti, Abbé, ii. 23, 26, 224, 236-241, 347, 390.
 Copernicus's Discoveries and Life, i. 221; ii. 325.
 Coste, M., ii. 34, 390.
 Cotes, Roger, Editor of the 2d edit. of Principia, i. 274; his Correspondence with Newton, 275; Notice of his Life, 418; ii. 200.
 Covell, Dr., ii. 70, 365, 374.
 Craig, John, i. 297, 422; ii. 196, 249.
 Crell, Samuel, ii. 314.
 Crompton, Mr., i. 263; ii. 60.
 Cumberland, Richard, ii. 84.
 D'ALEMBERT's Discoveries, i. 205, 304, 317.
 Daniel, Prophecies of, ii. 259.
 D'Aumont, Duke, ii. 195.
 Daunou, M., ii. 244.
- Davy, Sir H., ii. 295.
 Delambre, M., i. 251; ii. 243.
 De Moivre, M., i. 19, 217; ii. 227, 230, 308, 390, 391.
 De Morgan, Professor, *Pref.* xiii., i. 360; ii. 12, 21, 25, 40, 182, 213, 216, 267, 333, 341, 344.
 Derham, Rev. Dr., ii. 141, 403.
 Des Maizeaux, M., ii. 224, 396.
 Desaguliers, i. 206, 298; ii. 397, 401.
 Descartes, i. 19, 24, 25, 34, 118, 122, 125, 193, 288, 423.
 Deslandes, M., ii. 195.
 De Vico, M., i. 328.
 De Witt, i. 422, 423.
 Diamond, Properties of the, i. 187.
 Diffraction; *see Infexion.*
 Dispersion of Light, i. 97; Internal, 119, 164, 168.
 Dittom, Mr., ii. 198.
- EDLESTON, Mr., publishes the Correspondence of Newton with Cotes, *Pref.* xiii., i. 18, 26, 88, 191, 216, 259, 261, 273, 276, 359, 419, 421; ii. 17, 34, 90, 92, 128, 146, 159, 167, 182, 190, 205, 245, 314, 345, 415.
 Ekins, Dr., ii. 243.
 Ekins, Rev. Jeffrey, i. *Pref.* xiii.; ii. 161, 272, 306.
 Encke, Professor, i. 326.
 Euler, i. 306, 311.
 Eye of a Sheep measured, i. 388.
- FACIO DE DUILLIER, ii. 1.
 Faye, M., i. 327.
 Fellowes, H. A., Mr., *Pref.* vii., x., xii., i. 254.
 Fenil, Count, ii. 2.
 Fermat, i. 339, 342.
 Flame, on the cause of it, ii. 295.
 Flamsteed, *Pref.* xi., on Comets, i. 262; ii. 109, 181, 148, 151, 163-183, 376.
 Fluxions discovered by Newton, i. 25.
 Fluor spar, i. 168.
 Fontenelle, M., i. 290; ii. 225, 352, 402.
 Fountaine, Sir Alexander, ii. 330.
 Francis, Alba, Father, ii. 63.
 Fraunhofer, M., i. 167, 179.
 Freret, M., ii. 240.
 Fresnel, i. 164, 177.
 Froth, on the Colour of, i. 161.
- GALILEO'S Discoveries and Life, i. 236.
 Gascoigne, Mr., i. 73.
 Geoffroy, M., ii. 153.
 George, Prince, ii. 155, 164, 169.
 Gerhard, M., i. 360; ii. 41.
 Germain, Lady Betty, ii. 218, 387.

Cambridge University Press

978-1-108-02557-7 - Memoirs of the Life, Writings, and Discoveries of Sir Isaac Newton, Volume 2

David Brewster

Index

[More information](#)

INDEX.

431

- Gilbert, Dr., i. 235; ii. 326.
 Godolphin, Mr., ii. 161.
 Grant, Mr. Robert, his history of Astronomy, i. 303, 309.
 Gregory, David, i. 98, 218, 291; ii. 55, 75, 103, 109, 149, 377.
 Gregory, James, i. 44, 112, 340; ii. 310, 420.
 Greves, Mr., i. 273, 297.
 Grimaldi, M., i. 173.
 Guhrauer, M., ii. 3, 5, 9, 10, 223.
 Guidinus, i. 336.
 Gully, Mr. Henry, ii. 200.
- HADLEY, Mr., his Telescope, i. 48: his Sextant, 211.
 Hainzell, Peter, i. 236.
 Hales, Dr., ii. 40.
 Halifax, Earl of, i. 413; ii. 78, 99, 135-140, 161, 206, 386.
 Halley, on the Law of Gravity, i. 255: edits the Principia, 260, 308: his Correspondence with Newton, 399: his Verses in honour of him, 416; ii. 67, 141-143, 181.
 Hansen, Mr., i. 319.
 Harris, Dr., ii. 185.
 Harris, Joseph, i. 197.
 Harrison, John, ii. 202.
 Hartsoeker, M., ii. 34, 153, 219, 395.
 Harvey, Lord, ii. 388.
 Haury, Abbé, i. 188.
 Heat, Scale of, ii. 290.
 Helmholz, M., i. 109.
 Herman, M., ii. 399.
 Herschel, Sir William, i. 52, 152, 328.
 Herschel, Sir John, i. 327, 329.
 Hind, Mr., i. 329.
 Hipparchus, i. 221.
 Hire, M. De la, ii. 399.
 Hoare, Mr., ii. 139.
 Hobbes, Mr., ii. 100.
 Hooke, Dr., i. 77, 118; on thin Plates, 137, 140; on the Infexion of Light, 169; on Gravity, 247, 255: his Circular Pendulum, 248; App. No. viii.
 Hopton, Arthur, ii. 344.
 Horsley, Dr., ii. 62, 218; ii. 259, 407.
 Hudde, M., i. 340.
 Hussey, Rev. Mr., i. 319.
 Huygens, Christian, i. 187; App. No. viii.; ii. 72, 85, 398, 400.
- INFLEXION of Light, i. 169; Hooke's Experiments, 170; Grimaldi's, 174; Newton's, 175; Dr. Thomas Young's, 177; Fresnel's, 178; Arago's, 179: Fraunhofer's, 179; Lord Brougham's, 183. Iodide of Mercury, colours in it, i. 167. Irenicum, ii. 276, 407.
- JAMES VI., i. 227.
 Jamain, M., on the Colours of Metals, i. 165.
 Jeffrys, Judge, ii. 67.
 Jones, William, i. 197; ii. 345. Jupiter's satellites, i. 238.
- KALENDAR, Julian, ii. 245, 341.
 Kater, Capt., i. 45.
 Koill, Dr., i. 292, 298; ii. 7, 8, 11, 14, 30, 41, 390.
 Kepler's Discoveries and Life, i. 231, 402, 407; ii. 330.
 King, Lord, i. 206; ii. 253.
 Kneller, Sir Godfrey, ii. 337.
- LAGRANGE, M., i. 278, 304, 312.
 Lansdowne, Marquess of, ii. 337.
 Laplace, M., i. 2, 299, 301, 307, 309, 312, 316-320; ii. 67, 69.
 Lassels, Mr., i. 55, 323.
 Laughton, Mr., i. 294; ii. 51, 55, 138, 374.
 Law, Rev. Mr., ii. 297.
 Le Clerc, M., ii. 257.
 Leibnitz, i. 131, 289, 336, 348, 351, 353-359; ii. 3, 5, 25, 39, 40, 58, 219, 347, 390, 391.
 Leucatello's Balsam, ii. 48.
 Leverrier, M., i. 309 *note*, 320, 324.
 L'Hospital, Marquis, i. 350, 362; ii. 399, 401.
 Libration Moon's, i. 112.
 Linus, Father, i. 71.
 Locke, John, i. 206, 296; ii. 71, 73, 77, 100, 222, 251-257, 281, 301, 366.
 Lockier, Dean, ii. 3.
 Longitude, Bill respecting the, ii. 196.
 Longitude, Board of, i. 305-307; ii. 203.
 Longomontanus, i. 229.
 Louville, Chevalier, i. 290.
 Lucas, Anthony, i. 73.
 Lymington, Viscount, ii. 216.
- MACAULAY, Mr., ii. 63.
 Macclesfield Correspondence, ii. 345.
 Machin, Professor, 14, 108, 208, 308.
 MacLaurin, Colin, 46, 51, 315; ii. 310, 312 *note*.
 Madler, i. 329, 332.
 Magnets, Effect of Heat upon, ii. 362.
 Mairan, i. 289.
 Malus's Discoveries, i. 189.
 Masham, Lady, ii. 73, 252.
 Maupertuis, i. 290.
 Mayer, Christian, i. 304.
 — Tobias, i. 285, 306, 330.
 Mead, Dr., ii. 188 *note*, 303, 305, 339.
 Menzikoff, Prince Alexander, ii. 196.
 Mercator, Nicolas, i. 113, 354.

Cambridge University Press

978-1-108-02557-7 - Memoirs of the Life, Writings, and Discoveries of Sir Isaac Newton, Volume 2

David Brewster

Index

[More information](#)

432

INDEX.

Metals, Colours of, i. 165.
 Microscope, Reflecting, Newton's, i. 212.
 Milky Way, i. 239.
 Mill, Dr., ii. 94, 103, 373.
 Millington, Mr., ii. 94-97.
 Mint, Disturbances in the, ii. 141, 144.
 Molyneux, i. 49; 112, 331.
 Monk, Dr., Bishop of Gloucester, *Pref.* xii., i. 275, 420; ii. 51, 80, 155.
 Montmore, M. Remond de, ii. 26, 212, 233, 350, 385, 396.
 Monmouth, Lord, ii. 73.
 Montague, Charles. *See* Halifax.
 Moore, Sir Jonas, ii. 123, 196.
 More Hall, Mr., i. 98.
 Morland, Dr. Joseph, ii. 287 *note*.

NAPIER, Baron, i. 337.
 Neptune, History of its Discovery, i. 320.
 Newton, Dr. Humphrey, ii. 45, 50.
 Newton, Sir Isaac, his birth, i. 3; his education, 6; his inventions and experiments, 7; enters Trinity College, Cambridge, 17; his early Discoveries, 20-26; his expenses at College, 15, 28; elected Fellow of Trinity, 27; made Lucasian Professor, 33; discovers the different refrangibility of light, 38, 66; his reflecting telescope, 41; elected Fellow of the Royal Society, 63; involved in disputes by his optical discoveries, 69; his scheme for improving the Royal Society, 90; his mistake in supposing that bodies have the same dispersive powers, 98; on the moon's libration, 112; his letter on planting, 113; he opposes the doctrine of undulations, 119; his correspondence with Hooke, 124; his hypotheses on light, 134, 296; on the colours of thin and thick plates, 145, 151; on the colours of natural bodies, 154; on the inflexion of light, 175; on absolute refractive powers, 185; on double refraction and polarization, 188; his experiments on the eye, 191, 388; on binocular vision, 193; on the semi-dissertation of the optic nerves, 199, and App. 390; on the influence of strong light upon the retina, 208; his reflecting sextant, 209; and microscope, 211; his prisms for Newtonian telescopes, 214; his astronomical discoveries, 219, 251; is induced by Halley to publish them, 266; the Principia published, 271; new edition by Cotes, 274; analysis of its contents, 279; his philosophy long stationary, 300; his letter to Aston, 365; his letter to Boyle, 381; ditto to Briggs, 390; his

correspondence with Halley, 399; Leibnitz's Scholium, draughts of it, 427; his correspondence with Wallis, 428; his discovery of fluxions, 442; his mathematical writings, 445; communicates his discoveries in series to Leibnitz, 447; account of the controversy regarding fluxions, 453-463; ii. 1-11; the Commercium Epistolicum, 14; renewal of the controversy, 15-43; his rooms in Trinity College, 46; letters from Mr. Wickins and Dr. Newton on his College life, 47; on the theory of the earth, 57; is one of the deputies to resist the Royal Mandamus, 62; represents the University in Parliament, 63; his letters to Dr. Covel on the accession of King William, 70; his acquaintance with Locke and Huygens, 71; attempts to get him some appointment, 72; their failure, 74; death of his mother, 74; corresponds with Locke on alchemy, 76; his four letters to Bentley, 79; his ill health, 85; misrepresented by Biot, 88; his letter to Pepys, 99, App. 372; and Locke, 100; his study of the lunar irregularities, 108; his correspondence and difference with Flamsteed, 108, 132; Charles Montague appoints him Warden, and afterwards Master of the Mint, 138, 140; the case of Chaloner and the Coiners discussed, 144; his second difference with Flamsteed, 148; is elected one of the eight Foreign Associates of the Academy of Sciences, 153; again represents the University in Parliament, 154; is knighted at Cambridge by Queen Anne, 155; his love-letter to Lady Norris, 156; fails in being restored to Parliament in 1707, 162; his third difference with Flamsteed, 163; defence of him against the charges of Mr. Baily, 171; Bentley's letter to him on the completion of the second edition of the Principia, 188; his residence in London, 192; evidence on the Longitude Bill, 198; his niece, Mrs. Catherine Barton, defended, 208-218; replies to Leibnitz's attack on his philosophy, 219; corresponds with Varignon and J. Bernoulli, 226, App. 388 401; and with Fontenelle and Derham, 235, App. 402, 403; his chronology, 236; his theological writings, published and unpublished, 247-287; on Daniel and the Apocalypse, 259; on the corruption of two texts, 263; his opinions on the subject of the Trinity, 270, App. 411; his theological MSS., 272; his chemical and alchemical studies, 288; on the scale of heat, 290; his

Cambridge University Press

978-1-108-02557-7 - Memoirs of the Life, Writings, and Discoveries of Sir Isaac Newton, Volume 2

David Brewster

Index

[More information](#)

INDEX.

433

- ill-health and recovery, 303; Pemberton edits the third edition of the Principia, 304; is attacked with stone, 309; his testimonial to Maclaurin, 312; is visited by the Abbé Alari and Crell, 313, 314; attends the Royal Society, March 2d, 316; his death on the 20th, 317; his body lies in state, 317; his funeral and burial in Westminster Abbey, 318; monument to his memory, 318; statues, pictures, and other relics of him, 319; monument at Grantham, 320; his property and successors, 321; his philosophical, social, and moral character, 323; memorials of him, 337; letters to him from Dr. Wilson, 353; his letter to Thomas Burnet, 357; on the effect of heat on magnets, 362; his letter to Dr. Covel, 365; letter to him from Dr. Bentley, 367; ditto from S. Pepys, 372; his correspondence with Dr. Mill, 373; letter to him from Flamsteed, 376; his letter to Flamsteed, 384; Varignon's letter to him, 388; his answer, 389; letters to him from John Bernoulli, 392-396; letter to him from Brook Taylor, 397; ditto from James Stirling, 401; ditto from Fontenelle, 402; ditto from Dr. Derham, 403; his Irenicum or Ecclesiastical Polity tending to Peace, 407; his queries regarding *όμωούσιος*, 411; his method of making speculum metal, 413; observations on the Scotch origin of his family, 419; his letter to a friend, 425.
- Nitrous Gas, on the optical properties of, i. 166.
- Norris, Lady, ii. 156, 158.
- Norris, Sir William, ii. 158.
- OLBERS, Dr., i. 324.
- Oldenburg, i. 46, 87, 113, 356.
- Ομωούσιος*, queries concerning, ii. 411.
- Optic Nerves, their decussation, i. 396.
- Ormond, Duke of, ii. 63.
- Orsi, Marquis, ii. 350.
- PAGET, Mr., i. 260, 406, 412, 418; ii. 68.
- Pappus, i. 336.
- Paracelsus, ii. 326.
- Pardies, Ignatius, i. 69.
- Pechel, Dr., ii. 63, 65.
- Peel, Sir Robert, i. 92.
- Pemberton, Henry, Dr., ii. 304, 308.
- Pembroke, Lord, ii. 71, 330.
- Pepys, Samuel, ii. 94-100, 372.
- Pfaff, Professor, ii. 223 note.
- Phosphorus, changes of colour in, i. 166.
- Picard, M., i. 254.
- Pilkington, Mr., ii. 56, 140, 317.
- Plato, ii. 83.
- Playfair, Professor, i. 290, 302, 310.
- Polarisation of Light, i. 189.
- Poleni, ii. 304.
- Pons, M., i. 326.
- Pope, Alexander, ii. 333, 339, 404.
- Portsmouth, Earl of, *Pref.* vii., x.
- Principia, History of the, i. 266, 274; abstract of it, 279, 422; analysis of it, 425; ii. 188, 304; changes in the 3d edition of it, 307, 414.
- Provostayes and Desains on thin plates, i. 144, 151.
- Pryme, M. De la, ii. 90.
- Ptolemy, i. 221.
- QUARTZ, On a singular fracture of, i. 151.
- Quetelet, M., ii. 341.
- RAMAGE, Mr., i. 54.
- Rantzau, Count, i. 228.
- Raphson, Mr., ii. 393, 394.
- Reflecting Telescopes, i. 40; metal for them, ii. 413.
- Reflexion of Light, cause of, i. 184.
- Refraction, double, i. 84, 188.
- Refractions, table of atmospheric, ii. 119, 375.
- Refractive Powers, absolute, of bodies, i. 185.
- Refrangibility of the rays of Light, different, i. 35, 66.
- Reid, Dr., i. 199, 202; ii. 328, 420.
- Reyneau, P., ii. 399.
- Rheticus, George, i. 224.
- Rigaud, Professor, *Pref.* xiii., i. 253; 258, 264, 267; ii. 115, 117, 205, 345, 399.
- Rizetti, M., ii. 241.
- Roberval, i. 338.
- Robison Professor, i. 101; ii. 302, 421.
- Rodolph, Emperor, i. 228.
- Roemer, Olaus, ii. 169.
- Rogers, Rev. Henry, ii. 9.
- Rohault's Theory of Vision, i. 200, 290, 292, 295.
- Ross, Mr., his microscopes, i. 213.
- Rosse, Lord, his telescopes, i. 56; his spiral nebulae, 329.
- Roubiliac, ii. 338.
- SABINE, General, i. 315.
- Saturn's Rings, i. 239, 323.
- Saunderson, Mr., i. 294.
- Scheuchzer, M., ii. 396.
- Scholium respecting Leibnitz, different forms of it, i. 426.
- Schonberg, Cardinal, i. 224.

VOL. II.

2 E

Cambridge University Press

978-1-108-02557-7 - Memoirs of the Life, Writings, and Discoveries of Sir Isaac Newton, Volume 2

David Brewster

Index

[More information](#)

434

INDEX.

- Scripture, Corruptions of, ii. 255.
 Sedgwick, Professor, ii. 45, 85.
 Sextant, Reflecting, Newton's, i. 209; Hadley's, 211; Campbell's, 211.
 Seymour, Sir George H., ii. 341.
 Sharp, Mr. Abraham, ii. 166.
 Sheldrake, Mr., i. 195, 391.
 Short, James, his reflecting telescopes, i. 46, 51.
 Simon, Father, ii. 257, 264.
 Sky, On the colour of the, i. 161.
 Sloane, Sir Hans, ii. 10, 153, 184.
 Slusius, i. 342.
 Smith, Professor, i. 419; ii. 47, 320.
 Smith, Rev. Mr., Newton's stepfather, i. 5, 12.
 Society, Royal, Newton's scheme for improving it, i. 90.
 Solar System, Motion of, i. 329.
 Somerset, Duke of, ii. 67.
 Souciel, Father, ii. 242.
 Spectrum, Solar, i. 35; Controversy regarding it, 97; dark lines in it, 103; new analysis of it, 105.
 Speculum Metal, ii. 413.
 Stars, Binary System of, i. 328.
 Stella (Mrs. Johnson), ii. 386.
 Stereoscope, i. 205.
 Stewart, Professor Dugald, i. 292; ii. 100.
 Stirling, James, ii. 235, 241, 335, 402.
 Stokes, Professor, his optical discoveries, i. 110, 162.
 Storer, Mr., ii. 335, 425.
 Struve, M., his Stellar Astronomy, i. 331.
 Struve, Otto, M., i. 323, 320; ii. 341.
 Stukely, Dr., i. 5, &c.; ii. 49, 51, 52, 337.
 Swift, Dean, ii. 206, 208, 215, 386.
 Swinden, Van, ii. 85.
 TAYLOR, BROOK, Dr., ii. 222, 233, 351, 397-400.
 Telescope, Galileo's, i. 236; Gregory's, 44; Newton's, 41; Short's, 46; Hadley's, 48; Huygens', 51; Herschel's, 52; Ramage's, 54; Lord Rosse's, 56; Dollond's, 99; Blair's, 101.
 Theological Works of Newton, ii. 247-287.
 Thick Plates, Colour of, i. 151.
 Thin Plates, Colour of, i. 135.
 Thomson, James, ii. 388.
 Tides, i. 283, 315.
 Toricelli, i. 339.
 Tourmaline, Colour of one, i. 168.
 Tschirnhaus, M., i. 359; ii. 4, 153.
 Turnor, Mr. Edmund, *Pref.* viii., i. 10, 19; ii. 821, 338.
 Turnor, Rev. Mr., ii. 44, 340.
 Twining, Mr., i. 201.
 Tycho Brahe's Observations and Life, i. 226.
 URANUS, i. 320.
 Urban VIII., Pope, i. 242.
 Uylenbroek, M., ii. 4, 86.
 VAN HELMONT, ii. 327.
 Varnignon, Abbe, ii. 32, 227, 230; App. No. xix. 388.
 Viganzi, Mr., ii. 51, 382.
 Vincent, Dr., i. 266.
 Vincent, Mrs. (Miss Storey), Newton's attachment to her, i. 12; ii. 49.
 Vinci, Leonardo da, ii. 326.
 Visible Direction, Law of, i. 203; Visible Distance, Law of, 204.
 Vision, Newton's Experiments on, i. 190, 388; Brigg's Theory of, 191; Single, 201; Inverted, 203.
 Voltaire, M., i. 290; ii. 213, 263, 283.
 Vossius, Isaac, on Colours, i. 35.
 WAKE, Archbishop, ii. 334.
 Wallis, Dr., i. 20, 340, 413, 414, 428; ii. 75, 148.
 Ward, Seth, i. 63.
 Watts, Isaac, i. 298.
 Weid, Mr., i. 365; ii. 8, 153, 184.
 Whewell, Dr., i. 108, 118, 202.
 Whiston, William, i. 293, 295, 348; ii. 154, 198, 204, 268, 332, 335.
 Wickins, John, i. 28, 408; ii. 45.
 Williams III., ii. 3 note.
 Wilson, Dr. James, ii. 35, 40, 304, 308, 353.
 Wolf, M., ii. 8, 19, 28.
 Willaston, Dr., i. 103, 197, 200.
 Woolsthorpe, the property and birthplace of Newton, i. 4; ii. 337.
 Woodward, Dr. ii. 184.
 Worrsley, Lady, ii. 386.
 Wortley Montague, Lady Mary, ii. 239, 301.
 Wotton, William, i. 420.
 Wren, Sir C., i. 255, 401, 403; ii. 152, 165, 169, 201, 378.
 Wright, Edward, i. 253, 337.
 YEAR, on the Ancient, ii. 244.
 Young, Dr., on Thin Plates, i. 129, 140, 175, 177.
 Yworthe, William, ii. 298.

EDINBURGH : T. CONSTABLE,
 PRINTER TO THE QUEEN, AND TO THE UNIVERSITY.