Philosophical transactions of the Royal Society of London, 1800-1895, on sale by Dulau & Co.

Contributors

A. Dulau & Co.
Royal College of Surgeons of England

Publication/Creation

London : Dulau, 1895.

Persistent URL

https://wellcomecollection.org/works/gxkzhsh7

Provider

Royal College of Surgeons

License and attribution

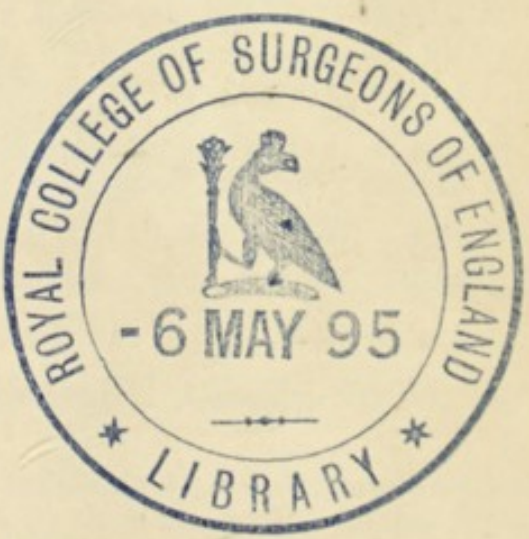
Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
https://wellcomecollection.org

Philosophical Transactions

OF

THE ROYAL SOCIETY OF LONDON.

1800=1895.



ON SALE BY

DULAU & CO.

37 SOHO SQUARE, LONDON, W.

1895.

CATALOGUE

OF THE

PHILOSOPHICAL TRANSACTIONS

OF

THE ROYAL SOCIETY OF LONDON.

PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY OF LONDON. A set from 1824 to 1893 inclusive, with the extra volume, offered for £85.

Published at £254 19*s.* 6*d.*

ABBOTT (E. C.) See H. GADOW.

ABEL (F. A.) Researches on Gun-cotton.—On the Manufacture and Composition of Gun-cotton. 1866. 2*s.* 6*d.*

—— —— Second Memoir. On the Stability of Gun-cotton. 1867. 3*s.* 6*d.*

—— Contributions to the History of Explosive Agents. 1869. 2*s.* 6*d.*

—— —— Second Memoir. 1874. 3*s.*

—— See A. NOBLE.

ABNEY (W. DE W.) On the Photographic Method of Mapping the least Refrangible End of the Solar Spectrum. 1880. 3 plates, 2*s.* 6*d.*

—— The Solar Spectrum from λ 7150 to λ 10,000. 1887. 3 plates, 2*s.*

—— Transmission of Sunlight through the Earth's Atmosphere. 1887. 1*s.*

—— —— Part II. 1893. 2*s.*

—— Total Eclipse of the Sun observed at Caroline Island, on 6th May, 1883. 1889. 2 plates, 3*s.*

ABNEY AND FESTING. On the Influence of the Atomic Grouping in the Molecules of Organic Bodies on their absorption in the Infra-red Region of the Spectrum. 1882. 3 plates, 2*s.* 6*d.*

—— Colour Photometry. 1887. 2 plates, 2*s.*

—— —— Part II.—The Measurement of Reflected Colours. 1888. 4 plates, 2*s.*

—— —— Part III. 1892. 2*s.*

ABNEY AND SCHUSTER. On the Total Solar Eclipse of May 17th, 1882. 1884. 1 plate, 1*s.* 6*d.*

ABNEY AND THORPE. On the Determination of the Photometric Intensity of the Coronal Light during the Solar Eclipse of August 28th–29th, 1886. 1889. 1*s.*

ACCOUNT of the Petrological, Botanical, and Zoological Collections made in Kerguelen's Land and Rodriguez, during the Transit of Venus Expedition, 1874-5. 1879. 55 plates, cloth, £1 5*s*.

ADAMI (J. G.)—See C. S. Roy.

ADAMS (J. C.) On the Secular Variation of the Moon's Mean Motion. 1853. 1*s*.

ADAMS (W. G.) Comparison of Simultaneous Magnetic Disturbances at several Observatories. 1892. 2 plates, 1*s*. 6*d*.

ADAMS AND DAY. The Action of Light on Selenium. 1877. 2*s*.

ADDISON (WILLIAM). On the Ultimate Distribution of the Air Passages, and the Formation of the Air Cells of the Lungs. 1842. 1 plate, 1*s*. 6*d*.

AIRY (SIR GEORGE BIDDELL). Remarks on a Correction of the Solar Tables required by Mr. South's Observations. 1827. 1*s*.

——— On the Corrections in the Elements of Delambre's Solar Tables required by the Observations made at the Greenwich Observatory. 1828. 1*s*. 6*d*.

——— On an Inequality of Long Period in the Motions of the Earth and Venus. 1832. 3*s*.

——— Account of Experiments on Iron-built Ships, instituted for the purpose of discovering a correction for the Deviation of the Compass produced by the Iron of the Ships. 1839. 2*s*.

——— On the Theoretical Explanation of an apparent new Polarity in Light. 1840. 1 plate, 1*s*. 6*d*.

——— Supplement to a paper "On the Theoretical Explanation of an apparent new Polarity in Light." 1841. 1*s*.

——— On the Laws of the Rise and Fall of the Tide in the River Thames. 1842. 2 plates, 1*s*. 6*d*.

——— On the Laws of Individual Tides at Southampton and at Ipswich. 1843. 2 plates, 2*s*.

——— On the Laws of the Tides on the Coasts of Ireland, as inferred from an extensive series of observations made in connection with the Ordnance Survey of Ireland. 1845. 1 plate, 5*s*.

——— On the Relation of the Direction of the Wind to the Age of the Moon, as inferred from Observations made at the Royal Observatory, Greenwich, from 1840 November to 1847 December. 1851. 9*d*.

——— On the Eclipses of Agathocles, Thales, and Xerxes. 1853. 2 plates, 2*s*.

——— On the Computation of the Effect of the Attraction of Mountain Masses, as disturbing the apparent Astronomical Latitude of Stations Geodetic Surveys. 1855. 1*s*.

——— Account of Pendulum Experiments undertaken in the Harton Colliery, for the purpose of determining the Mean Density of the Earth. 1856. 2 plates, 3*s*. 6*d*.

AIRY (SIR GEORGE BIDDELL). Discussion of the Observed Deviations of the Compass in several Ships, Wood-built and Iron-built. With a General Table for facilitating the examination of Compass Deviations. 1856. 1 plate, 2*s.* 6*d.*

——— Account of the Construction of the New National Standard of Length, and of its principal copies. 1857. 3 plates, 3*s.*

——— On the Difference in the Magnetic Properties of Hot-rolled and Cold-rolled Malleable Iron, as regards the power of receiving and retaining Induced Magnetism of Subpermanent Character. 1862. 1*s.* 6*d.*

——— First Analysis of One Hundred and Seventy-seven Magnetic Storms, registered by the Magnetic Instruments in the Royal Observatory, Greenwich, from 1841 to 1857. 1863. 2*s.*

——— On the Diurnal Inequalities of Terrestrial Magnetism, as deduced from observations made at the Royal Observatory, Greenwich, from 1841 to 1857. 1863. 8 plates, 3*s.*

——— On the Strains in the Interior of Beams. 1863. 3 plates, 2*s.*

——— Computation of the Lengths of the Waves of Light corresponding to the Lines in the Dispersion Spectrum measured by Kirchhoff. 1868. 2*s.*

——— Comparison of Magnetic Disturbances recorded by the Self-registering Magnetometers at the Royal Observatory, Greenwich, with Magnetic Disturbances deduced from the corresponding Terrestrial Galvanic Currents recorded by the Self-registering Galvanometers of the Royal Observatory. 1868. 6 plates, 2*s.* 6*d.*

——— On the Diurnal and Annual Inequalities of Terrestrial Magnetism, as deduced from Observations made at the Royal Observatory, Greenwich, from 1858 to 1863, with a Note on the Luno-diurnal and other Lunar Inequalities, as deduced from Observations extending from 1848 to 1863. 1869. 3 plates, 2*s.*

——— Note on an Extension of the Comparison of Magnetic Disturbances with Magnetic Effects inferred from observed Terrestrial Galvanic Currents; and Discussion of the Magnetic Effects inferred from Galvanic Currents on days of Tranquil Magnetism. 1870. 1 plate, 1*s.* 6*d.*

——— Corrections to the Computed Lengths of Waves of Light published in the Philosophical Transactions of the year 1868. 1872. 1 plate, 2*s.*

——— Experiments on the Directive Power of large Steel Magnets, of Bars of Magnetized Soft Iron, and of Galvanic Coils, in their action on external small Magnets. With Appendix, containing an investigation of the Attraction of a Galvanic Coil on a small Magnetic Mass, by James Stuart. 1872. 1*s.* 6*d.*

——— Magnetical Observations in the Britannia and Conway Tubular Iron Bridges. 1873. 1 plate, 1*s.*

——— On the Tides at Malta. 1878. 1*s.*

AIRY (SIR GEORGE BIDDELL). Results deduced from the Measures of Terrestrial Magnetic Force in the Horizontal Plane, at the Royal Observatory, Greenwich, from 1841 to 1876. 1886. 1 plate, 1*s.* 6*d.*

AIRY (H.) On a distinct form of Transient Hemiopsia. 1870. 2 plates, 2*s.*

ALLEN AND PEPYS. On the Quantity of Carbon in Carbonic Acid, and on the Nature of the Diamond. 1807. 1 plate, 2*s.*

——— On the Changes produced in Atmospheric Air, and Oxygen Gas, by Respiration. 1808. 1 plate, 2*s.* 6*d.*

——— On Respiration. 1809. 1 plate, 1*s.* 6*d.*

——— On the Respiration of Birds. 1829. 1*s.*

ALLMAN (G. J.) On the Anatomy and Physiology of Cordylophora, a contribution to our history of Tubularian Zoophytes. 1853. 2 plates, 2*s.* 6*d.*

——— On the Structure and Development of Myriothela. 1876. 4 plates, 3*s.*

ALLMAN (W.) Methods of Clearing Equations of Quadratic, Cubic, Quadrato-cubic, and higher Surds. 1814. 1*s.* 6*d.*

ANDERSON (A. M.) See T. CARNELLEY.

ANDREWS (THOMAS). On the Thermal Changes accompanying Basic Substitutions. 1844. 2*s.*

——— On the Heat disengaged during Metallic Substitutions. 1848. 1*s.*

——— On the Constitution and Properties of Ozone. 1856. 1 plate, 1*s.* 6*d.*

——— On the Volumetric Relations of Ozone, and the Action of the Electrical Discharge on Oxygen and other Gases. 1860. 1 plate, 1*s.* 6*d.*

——— On the Continuity of the Gaseous and Liquid States of Matter. 1869. 1 plate, 2*s.*

——— On the Gaseous State of Matter. 1876. 2*s.*

——— On the Properties of Matter in the Gaseous and Liquid States under various conditions of Temperature and Pressure. 1887. 1*s.*

ATTFIELD (J.) On the Spectrum of Carbon. 1862. 1*s.*

AYRTON AND KILGOUR. The Thermal Emissivity of thin Wires in Air. 1892. 5 plates, 3*s.* 6*d.*

AYRTON AND PERRY. The contact Theory of Voltaic Action. Paper No. III. 1880. 2 plates, 2*s.*

AYRTON, PERRY, AND SUMPNER. Quadrant Electrometers. 1892. 4 plates, 3*s.* 6*d.*

BABBAGE (C.) An Essay towards the Calculus of Functions. Part II. 1816. 3*s.*

——— Account of the Repetition of M. Arago's Experiments on the Magnetism manifested by various Substances during Rotation. 1825. 2*s*

BABBAGE (C.) On Electrical and Magnetic Rotations. 1826. 1 plate, 2*s*. 6*d*.

——— On a method of expressing by signs the action of Machinery. 1826. 4 plates, 2*s*. 6*d*.

BABER (E. C.) Contributions to the Minute Anatomy of the Thyroid Gland of the Dog. 1876. 2 plates, 2*s*.

——— Researches on the Minute Structure of the Thyroid Gland. 1882. 2 plates, 2*s*. 6*d*.

BAILY (F.) On the correction of a Pendulum for the reduction to a Vacuum : together with remarks on some anomalies observed in Pendulum experiments. 1832. 3*s*. 6*d*.

——— Description of a new Barometer, recently fixed up in the apartments of the Royal Society ; with Remarks on the mode hitherto pursued at various periods, and an Account of that which is now adopted, for correcting the observed height of the Mercury in the Society's Barometers. 1837. 1*s*. 6*d*.

BAKER (H. B.) Combustion in Dried Oxygen. 1888. 1*s*.

BALFOUR (F. M.) On the Development of the Spinal Nerves in Elasmobranch Fishes. 1876. 3 plates, 2*s*. 6*d*.

BALFOUR AND PARKER. On the Structure and Development of Lepidosteus. 1882. 9 plates, 5*s*. 6*d*.

BALL (R. S.) Researches in the Dynamics of a Rigid Body by the aid of the Theory of Screws. 1874. 2*s*.

BARCLAY (T.)—See J. C. GIBSON.

BARLOW (REV. JOHN). On the Formation and some of the Properties of Cymidine, the Organic Base of the Cymole Series. 1856. 1*s*.

BARLOW (PETER). Observations and Experiments on the daily variation of the Horizontal and Dipping Needles under a reduced directive power. 1823. 1 plate, 2*s*.

——— On the Temporary Magnetic Effect produced in Iron by Rotation. 1825. 1 plate, 1*s*. 6*d*.

——— An Account of a Series of Experiments made with a view to the Construction of an Achromatic Telescope with a Fluid Concave Lens, instead of the usual Lens of Flint Glass. 1828. 1*s*.

——— Experiments relative to the effect of Temperature on the Refractive Index and Dispersive Power of Expansible Fluids, and on the Influence of these changes in a Telescope with a Fluid Lens. 1828. 1*s*.

——— An Account of the Preliminary Experiments and Ultimate Construction of a Refracting Telescope of 7·8 inches aperture, with a Fluid Concave Lens. 1829. 1 plate, 1*s*. 6*d*.

——— On the performance of Fluid Refracting Telescopes, and on the applicability of this principle of construction to very large instruments. 1831. 1*s*.

BARLOW (PETER). On the probable Electric origin of all the Phenomena of Terrestrial Magnetism ; with an illustrative experiment. 1831. 1*s.*

——— On the Errors in the Course of Vessels, occasioned by Local Attraction ; with some remarks on the recent loss of His Majesty's ship *Thetis*. 1831. 1*s.*

——— An Account of the Construction of a Fluid Lens Refracting Telescope of eight inches aperture, and eight feet and three-quarters in length, made for the Royal Society by George Dollond. 1833. 1*s.* 6*d.*

——— On the present situation of the Magnetic Lines of equal variation, and their changes on the terrestrial surface. 1833. 2 plates, 2*s.*

——— An Investigation of the Laws which govern the Motion of Steam Vessels, deduced from experiments. 1834. 1 plate, 2*s.*

——— On the principle of Construction and general Application of the Negative Achromatic Lens to Telescopes and Eye-pieces of every description. 1834. 1*s.*

BARLOW (W. F.) Observations on the Respiratory Movements of Insects. 1855. 1*s.* 6*d.*

BARLOW (WILLIAM HENRY). On the Adaptation of different modes of Illuminating Lighthouses, as depending on their situations and the object contemplated in their erection. 1837. 1*s.* 6*d.*

——— On the Spontaneous Electrical Currents observed in the Wires of the Electric Telegraph. 1849. 3 plates, 2*s.*

——— On the Existence of an Element of Strength in Beams subjected to Transverse Strain, arising from the Lateral Action of the Fibres or Particles on each other, and named by the author the "Resistance of Flexure." 1855. 2 plates, 2*s.*

——— On an Element of Strength in Beams subjected to Transverse Strain, named by the author "The Resistance of Flexure." Second Paper. 1857. 2*s.*

BARRY (A.) On the Chemical Action of Atmospheric Electricity. 1831. 1*s.*

BARRY (MARTIN). Researches in Embryology. First Series. 1838. 4 plates, 3*s.*

——— Researches in Embryology. Second Series. 1839. 5 plates, 3*s.*

——— ——— Third Series. A Contribution to the Physiology of Cells. 1840. 7 plates, 3*s.*

——— Supplementary Note. 1841. 9*d.*

——— On the Corpuscles of the Blood. 1840. 2 plates, 1*s.* 6*d.*

——— ——— Part II. 1841. 3 plates, 2*s.*

——— ——— Part III. 1841. 6 plates, 3*s.*

——— On the Chorda Dorsalis. 1841. 1*s.*

——— On Fibre. 1842. 7 plates, 4*s.*

——— Spermatozoa observed within the Mammiferous Ovum. 1843. 9*d.*

BASHFORTH (F.) On the Resistance of the Air to the Motion of Elongated Projectiles having variously formed Heads. 1868. 2*s.*

BASSET (A. B.) On the Motion of a Sphere in a Viscous Liquid. 1888. 1*s.*

——— On the Extension and Flexure of Cylindrical and Sperical Thin Elastic Shells. 1890. 2*s.*

——— On the Reflection and Refraction of Light at the surface of a Magnetized Medium. 1891. 1*s.*

BASTIAN (H. C.) On the Anatomy and Physiology of the Nematoids, Parasitic and Free; with observations on their Zoological Position and affinities to the Echinoderms. 1866. 7 plates, 3*s.* 6*d.*

BATE (C. S.) On the Development of Decapod Crustacea. 1858. 7 plates, 3*s.*

BATESON (W.) On some Variations of Cardium Edule apparently correlated to the conditions of Life. 1889. 1 plate, 3*s.*

BAXTER (H. F.) An Experimental Inquiry undertaken with the view of ascertaining whether any, and what, signs of Current Electricity are manifested during the organic process of Secretion in living Animals, being an attempt to apply some of the discoveries of Faraday to Physiology. 1848. 1*s.* 6*d.*

——— An Experimental Inquiry undertaken with the view of ascertaining whether any and what signs of Current Force are manifested during the Organic process of Secretion in living animals. Part II. 1852. 1*s.*

BEALE (LIONEL S.) On the Ultimate Arrangement of the Biliary Ducts, and on some other points in the Anatomy of the Liver of Vertebrate Animals. 1856. 3 plates, 2*s.*

——— On the Distribution of Nerves to the Elementary Fibres of Striped Muscle. 1860. 1 plate, 1*s.* 6*d.*

——— Further Observations on the Distribution of Nerves to the Elementary Fibres of Striped Muscle. 1862. 4 plates, 2*s.* 6*d.*

——— On the Structure and Formation of the so-called Apolar, Unipolar, and Bipolar Nerve-cells of the Frog. 1863. 8 plates, 3*s.*

——— New Observations upon the Minute Anatomy of the Papillae of the Frog's Tongue. 1865. 2 plates, 2*s.*

BECK (THOMAS SNOW). On the Nerves of the Uterus. 1846. 5 plates, 3*s.*

BEECHEY (CAPTAIN F. W.) Report of Observations made upon the Tides of the Irish Sea, and upon the great similarity of Tidal Phenomena of the Irish and English Channels, and the importance of extending the experiments round the Land's End and up the English Channel. 1848. 10 plates, 3*s.* 6*d.*

——— Report of further Observations upon the Tidal Streams of the North Sea and English Channel, with remarks upon the Laws by which those Streams appear to be governed. 1851. 12 plates, 5*s.*

BEEVOR (C. E.) On the Course of the Fibres of the Cingulum and the posterior parts of the Corpus Callosum and Fornix in the Marmoset Monkey. 1891. 5 plates, 5*s.*

BEEVOR AND HORSLEY. A Minute Analysis (Experimental) of the various movements produced by stimulating in the Monkey different regions of the Cortical Centre for the Upper Limb. 1887. 1 plate, 1*s.*

——— A further Minute Analysis by Electric Stimulation of the so-called Motor Region of the Cortex Cerebri in the Monkey (Macacus sinicus). 1888. 3 plates, 2*s.*

——— An Experimental Investigation into the Arrangement of the Excitable Fibres of the Internal Capsule of the Bonnet Monkey (Macacus sinicus). 1890. 7 plates, 3*s.* 6*d.*

——— A Record of the results obtained by Electrical Excitation of the so-called Motor Cortex and Internal Capsule in an Orang-Outang (Simia satyrus). 1890. 6 plates, 3*s.* 6*d.*

——— A further Minute Analysis by Electric Stimulation of the so-called Motor Region (Facial Area) of the Cortex Cerebri in the Monkey (Macacus sinicus). 1894. 2 plates, 3*s.*

BELCHER (CAPT. SIR E.) An Account of the Magnetical Experiments made on the Western Coast of Africa, 1830–1. 1832. 1*s.*

——— Tide Observations at Otaheite, or Tahiti. 1843. 1 plate, 2*s.* 6*d.*

BELL (SIR CHARLES). On the Motions of the Eye, in illustration of the Uses of the Muscles and Nerves of the Orbit. 1823. 2 parts. 1 plate, 3*s.* 6*d.*

——— On a Nervous Circle connecting the Voluntary Muscles with the Brain. 1826. 1*s.*

——— On the Nerves of the Face; being a second paper on that subject. 1829. 2 plates, 1*s.* 6*d.*

——— On the Organs of the Human Voice. 1832. 2 plates, 2*s.*

——— On the Functions of some parts of the Brain, and on the Relations between the Brain and Nerves of Motion and Sensation. 1834. 3 plates, 2*s.*

——— Continuation of the Paper on the Relations between the Nerves of Motion and of Sensation, and the Brain; more particularly on the structure of the Medulla Oblongata and the Spinal Marrow. 1835. 1 plate, 1*s.* 6*d.*

——— On the Nervous System. 1840. 1 plate, 1*s.* 6*d.*

BELL (C. A.) On the Sympathetic Vibrations of Jets. 1887. 1*s.* 6*d.*

BELL (THOMAS). On the Structure and Use of the Submaxillary Odoriferous Gland in the Genus Crocodilus. 1827. 1 plate, 1*s.* 6*d.*

BELLATI AND ROMANESE. On the Specific Heat and Heat of Transformation of the Iodide of Silver, &c. 1883. 1*s.*

BENNETT (G. T.) On the Residues of Powers of Numbers for any Composite Modulus, real or complex. 1893. 5*s.* 6*d.*

BERZELIUS (J.) Experiments on the Alcohol of Sulphur, or Sulphuret of Carbon. 1813. 2*s.*

BEVAN (BENJAMIN). Experiments on the Modulus of Torsion. 1829. 1*s.*

BIDWELL (S.) On the Changes produced by Magnetisation in the Dimensions of Rings and Rods of Iron, and of some other Metals. 1888. 1*s.*

BINNEY (E. W.) A Description of some Fossil Plants, showing Structure, found in the Lower Coal-seams of Lancashire and Yorkshire. 1865. 6 plates, 2*s.* 6*d.*

BIRD (GOLDING). Observations on the Electro-chemical Influence of long-continued Electric Currents of Low Tension. 1837. 1 plate, 1*s.* 6*d.*

BISHOP (JOHN). On the Physiology of the Human Voice. 1846. 3 plates, 2*s.*

BLACKBURN (J.) Description of a Sounding Board in Attercliffe Church. 1828. 1*s.*

BLANFORD (H. F.) The Winds of Northern India in relation to the Temperature and Vapour-constituent of the Atmosphere. 1874. 7 plates, 3*s.* 6*d.*

BOLTON (G. B.) Statement of the principal circumstances respecting the united Siamese Twins now exhibiting in London. 1830. 1 plate, 1*s.* 6*d.*

BONNEY (T. G.) On a Collection of Rock Specimens from the Island of Socotra. 1883. 2 plates, 2*s.*

BOOLE (GEORGE). On a general method in Analysis. 1844. 3*s.*

——— On the Comparison of Transcendents, with certain applications to the Theory of Definite Integrals. 1857. 2*s.* 6*d.*

——— On Simultaneous Differential Equations of the First Order in which the Number of Variables exceeds by more than one the Number of the Equations. 1862. 1*s.* 6*d.*

——— On the Theory of Probabilities. 1862. 2*s.*

——— On the Differential Equations of Dynamics. A sequel to a paper on Simultaneous Differential Equations. 1863. 2*s.*

——— On the Differential Equations which determine the form of the Roots of Algebraic Equations. 1864. 2*s.*

BOOTH (REV. JAMES). Researches on the Geometrical Properties of Elliptic Integrals. 1852. 5*s.*

——— ——— Part II. 1854. 1*s.* 6*d.*

BOSE (M. VON).—See A. MATTHIESSEN.

BOSTOCK (JOHN). On the Spontaneous Purification of Thames Water. 1829. 1*s.*

BOTTOMLEY (J. T.) On the Thermal Conductivity of Water. 1881. 1*s.*

——— On Thermal Radiation in Absolute Measure. 1887. 3 plates, 1*s.* 6*d.*

——— ——— 1893. 2 plates, 2*s.*

BOURNON (The Count de). Description of the Arseniates of Copper and of Iron from the County of Cornwall. 1801. 3 plates, 2*s.* 6*d.*

——— See also R. Chenevix.

——— Description of the Corundum Stone, and its Varieties, commonly known by the names of Oriental Ruby, Sapphire, &c., with observations on some other mineral substances. 1802. 4 plates, 5*s.*

——— Observations on a new Species of hard Carbonate of Lime; also on a new Species of Oxide of Iron. 1803. 1 plate, 1*s.* 6*d.*

——— Description of a Triple Sulphuret, of Lead, Antimony, and Copper from Cornwall; with some observations upon the various Modes of Attraction which influence the Formation of Mineral Substances, and upon the different kinds of Sulphuret of Copper. 1804. 1 plate, 3*s.*

BOWER (F. O.) On the Comparative Morphology of the Leaf in the Vascular Cryptogams and Gymnosperms. 1885. 4 plates, 3*s.* 6*d.*

——— On the Development and Morphology of Phylloglossum Drummondii. 1886. 3 plates, 2*s.*

——— Studies in the Morphology of Spore-Producing Members. Equisetineae and Lycopodineae. 1894. 11 plates, 12*s.*

BOWERBANK (J. S.) On the Organic Tissues in the Bony Structure of the Corallidae. 1842. 2 plates, 2*s.*

——— On the Anatomy and Physiology of the Spongiadae. Part I. On the Spicula. 1858. 4 plates, 3*s.*

——— ——— Part II. Keratode, Membranous Tissues, Fibrous Structures, Cellular Tissue, Sarcode. 1862. 10 plates, 5*s.*

——— ——— Part III. On the Generic Characters, the Specific Characters, and on the Method of Examination. 1862. 3 plates, 3*s.*

BOWMAN (W.) On the Minute Structure and Movements of Voluntary Muscle. 1840. 4 plates, 2*s.* 6*d.*

——— Additional Note on the Contraction of Voluntary Muscle in the living body. 1841. 1 plate, 1*s.*

——— On the Structure and Use of the Malpighian Bodies of the Kidney, with observations on the Circulation through that Gland. 1842. 1 plate, 2*s.*

BOYCE and SURVEYOR. Upon the existence of more than one Fungus in Madura Disease (Mycetoma). 1894. 4 plates, 4*s.* 6*d.*

BOYD (R.) Tables of the Weights of the Human Body and Internal Organs in the Sane and Insane of both Sexes at various Ages, arranged from 2614 post-mortem examinations. 1861. 1*s.* 6*d.*

BOYS (C. V.) The Radio-Micrometer. 1889. 1*s.*

——— On the Newtonian Constant of Gravitation. 1895. 2 plates, 3*s.* 6*d.*

BRADY (H. B.)—See W. B. CARPENTER.

BRANDE (W.) Chemical Experiments on Guaiacum. 1806. 1*s.*

——— A Letter on the Differences in the Structure of Calculi, which arise from their being formed in different Parts of the Urinary Passages; and on the Effects that are produced on them by the Internal Use of Solvent Medicines. 1808. 2*s.*

——— Observations on Albumen, and some other Animal Fluids; with remarks on their Analysis by Electro-chemical Decomposition. 1809. 1*s.*

BRANDE (W. T.) Observations on the effects of Magnesia in preventing an increased formation of Uric Acid. 1810. 1*s.*

——— An Account of a Vegetable Wax from Brazil. 1811. 1*s.*

——— Experiments to ascertain the state in which Spirit exists in Fermented Liquors: with a Table exhibiting the relative Proportion of pure Alcohol contained in several kinds of Wine and some other Liquors. 1811. 1*s.*

——— Additional Observations on the effects of Magnesia in preventing an increased formation of Uric Acid; with remarks on the Influence of Acids upon the Composition of the Urine. 1813. 1*s.* 3*d.*

——— On some new Electro-chemical Phenomena. 1814. 1 plate, 1*s.* 6*d.*

BREWSTER (SIR DAVID). On some Properties of Light. 1813. 1*s.*

——— On the Affections of Light transmitted through Crystallized Bodies. 1814. 3 plates, 2*s.*

——— On the Polarisation of Light by Oblique Transmission through all Bodies. 1814. 1 plate, 1*s.*

——— On the Structure of the Crystalline Lens in Fishes and Quadrupeds, as ascertained by its action on Polarised Light. 1816. 1 plate, 1*s.* 6*d.*

——— On the Reflection and Decomposition of Light at the separating surfaces of Media of the same, and of different Refractive Powers. 1829. 1*s.* 6*d.*

——— On a new Series of Periodical Colours produced by the Grooved Surfaces of Metallic and Transparent Bodies. 1829. 1*s.* 6*d.*

——— On the Law of Partial Polarization of Light by Reflection. 1830. 1*s.* 6*d.*

——— On the Production of Regular Double Refraction in the Molecules of Bodies by simple pressure; with Observations on the Origin of the Doubly Refracting Structure. 1830. 1*s.*

——— On the Laws of the Polarization of Light by Refraction. 1830. 1*s.*

——— On the Action of the Second Surfaces of Transparent Plates upon Light. 1830. 1*s.*

——— On the Phenomena and Laws of Elliptic Polarization, as exhibited in the action of Metals upon Light. 1830. 1 plate, 2*s.*

BREWSTER (SIR DAVID). On the Anatomical and Optical Structure of the Crystalline Lenses of Animals, particularly that of the Cod. 1833. 1 plate, 1*s.* 6*d.*

——— On certain Peculiarities in the Double Refraction and Absorption of Light exhibited in the Oxalate of Chromium and Potash. 1835. 1*s.*

——— On the Anatomical and Optical Structure of the Crystalline Lenses of Animals. Continued from a former paper (Philosophical Transactions, 1833). 1836. 3 plates, 2*s.*

——— On the Connection between the Phenomena of the Absorption of Light and the Colours of Thin Plates. 1837. 1*s.*

——— On the Development and Extinction of regular Doubly Refracting Structures in the Crystalline Lenses of Animals after Death. 1837. 1 plate, 1*s.*

——— On the Colours of Mixed Plates. 1838. 1*s.*

——— On a remarkable Property of the Diamond. On the Phenomena of Thin Plates of Solid and Fluid Substances exposed to Polarised Light. 1841. 2 parts, 1 plate, 2*s.*

——— See L. HORNER.

BREWSTER AND GLADSTONE. On the Lines of the Solar Spectrum. 1860. 1 plate, 1*s.* 6*d.*

BRIDGE (T. W.) On the Osteology of Polyodon folium. 1879. 3 plates, 2*s.* 6*d.*

BRIDGE AND HADDON. Contributions to the Anatomy of Fishes. II. The Air-bladder and Weberian Ossicles in the Siluroid Fishes. 1893. 9 plates, 6*s.*

BRINKLEY (J.) An Investigation of the general Term of an important Series in the Inverse Method of Finite Differences. 1807. 1*s.* 6*d.*

——— On the North Polar Distances of the principal Fixed Stars. 1824. 3*s.*

——— Remarks on the Parallax of α Lyrae. 1824. 2*s.*

BRODIE (SIR B. C.) Account of the Dissection of a Human Foetus, in which the Circulation of the Blood was carried on without a Heart. 1809. 1*s.*

——— Experiments and Observations on the different Modes in which Death is produced by certain Vegetable Poisons. 1811. 2*s.*

——— Further Experiments and Observations on the Action of Poisons on the Animal System. 1812. 1*s.* 6*d.*

——— An Investigation on the Chemical Nature of Wax. I. On Cerotic Acid, a new acid contained in Bees' Wax. 1848. 1*s.*

——— ——— II. On the Chemical Nature of a Wax from China. 1848. 1*s.*

——— ——— III. On Myricin. 1849. 1*s.* 6*d.*

——— On the Condition of certain Elements at the moment of Chemical Change. 1850. 2*s.* 6*d.*

BRODIE (SIR B. C.) On the Atomic Weight of Graphite. 1859. 1*s.*

——— On the Oxidation and Disoxidation effected by the Alkaline Peroxides. 1862. 2 plates, 2*s.*

——— On the Peroxides of the Radicals of the Organic Acids. 1863. 1*s.* 6*d.*

——— The Calculus of Chemical Operations; being a Method for the Investigation, by means of Symbols, of the Laws of Distribution of Weight in Chemical Change. Part I. On the Construction of Chemical Symbols. 1866. 3*s.*

——— ——— Part II. On the Analysis of Chemical Events. 1877. 3*s.* 6*d.*

——— An Experimental Inquiry on the Action of Electricity on Gases. I. On the Action of Electricity on Oxygen. 1872. 2 plates, 2*s.* 6*d.*

——— On the Action of Electricity on Gases. II. On the Electric Decomposition of Carbonic Acid Gas. 1874. 2*s.*

BROMHEAD (E. F.) On the Fluents of Irrational Functions. 1816. 1*s.*

BRONWIN (B.) On the Solution of Linear Differential Equations. 1851. 1*s.* 6*d.*

BROOKE (C.) On the Automatic Registration of Magnetometers, and other Meteorological Instruments, by Photography. 1847. 2 parts, 3 plates, 3*s.*

——— ——— No. III. 1850. 1*s.*

——— ——— No. IV. 1852. 1 plate, 1*s.*

BROOKE (H. J.) On the Geometrical Isomorphism of Crystals. 1857. 3 plates, 2*s.* 6*d.*

BROOKS (W. K.) Lucifer: a Study in Morphology. 1882. 11 plates, 6*s.* 6*d.*

BROUGHAM (LORD). Experiments and Observations upon the Properties of Light. 1850. 7 plates, 3*s.*

BROUGHTON (J.) On a certain Excretion of Carbonic Acid by Living Plants. 1869. 1*s.*

——— Chemical and Physiological Experiments on Living Cinchonae. 1871. 1*s.* 6*d.*

BROUN (J. A.) On the Variations of the daily mean Horizontal Force of the Earth's Magnetism. 1876. 1 plate, 2*s.*

BROWN AND SCHÄFER. An Investigation into the Functions of the Occipital and Temporal Lobes of the Monkey's Brain. 1888. 3 plates, 1*s.* 6*d.*

BRUNTON AND CASH. Contributions to our Knowledge of the connection between Chemical Constitution, Physiological Action, and Antagonism. 1884. 3 plates, 3*s.*

——— ——— Part II. 1891. 5*s.*

BRUNTON AND PYE. On the Physiological Action of the Bark of Erythrophleum guinense, generally called Casca, Cassa, or Sassy Bark. 1878. 1*s.* 6*d.*

BRYAN (G. H.) The Waves on a Rotating Liquid Spheroid of Finite Ellipticity. 1889. 1*s.*

BUCKTON (G. B.) On the Isolation of the Radical, Mercuric Methyl. 1858. 1*s.*

——— On the Isolation of the Organo-Metals, Mercuric, Stannic, and Plumbic Ethyls; and Observations on some of their Derivatives. Second Memoir. 1859. 1*s.* 6*d.*

BUCKTON AND HOFMANN. Researches on the Action of Sulphuric Acid upon the Amides and Nitriles, together with remarks upon the Conjugate Sulpho-acids. 1856. 2*s.*

BUÉE (M.) Mémoire sur les Quantités imaginaires. 1806. 1 plate, 2*s.* 6*d.*

BULLAR (J. F.) On the Development of the Parasitic Isopoda. 1879. 3 plates, 2*s.*

BUNSEN AND ROSCOE. Photo-chemical Researches. Part I. Measurement of the Chemical Action of Light.—Part II. Phenomena of Photo-chemical Induction. 1857. 6 plates, 4*s.* 6*d.*

——— ——— Part III. Optical and Chemical Extinction of the Chemical Rays. 1857. 1 plate, 2*s.*

——— ——— Part IV. 1859. 6 plates, 3*s.*

——— ——— Part V. On the Direct Measurement of the Chemical Action of Sunlight. 1863. 1 plate, 2*s.*

BUNT (T. G.) Description of a new Tide-gauge erected on the eastern bank of the River Avon, at Bristol, 1837. 1838. 1 plate, 1*s.*

——— Discussion of Tide Observations at Bristol. 1867. 2 plates, 1*s.*

BURBURY (S. H.) On the Induction of Electric Currents in conducting Shells of small thickness. 1888. 1*s.*

——— On the Collision of Elastic Bodies. 1892. 1*s.*

BURCH (G. J.) On the Time-relations of the Excursions of the Capillary Electrometer; with a description of the method of using it for the investigation of Electrical Changes of Short Duration. 1892. 4 plates, 2*s.*

BURCH AND VELEY. The Variations of Electromotive Force of Cells, consisting of certain Metals, Platinum and Nitric Acid. 1891. 1*s.* 6*d.*

BURNETT (WILLIAM). An Account of the effect of Mercurial Vapours on the crew of His Majesty's ship *Triumph*, in the year 1810. 1823. 1*s.*

BURY (H.) The Early Stages in the Development of Antedon rosacea. 1888. 5 plates, 2*s.* 6*d.*

BUSK (G.)—See J. PRESTWICH.

CAHOURS (A.)—See A. W. HOFMANN.

CALDCLEUGH (ALEXANDER). An Account of the great Earthquake experienced in Chile on the 20th of February, 1835. With a map. 1836. 1*s.*

——— Some Account of the Volcanic Eruption of Cosegüina in the Bay of Fonseca, commonly called the Bay of Conchagua, on the Western Coast of Central America. 1836. 1*s.*

CALDWELL (W. H.) The Embryology of Monotremata and Marsupialia. Part I. 1887. 3 plates, 2*s.*

CALLENDAR (H. L.) On the Practical Measurement of Temperature. 1887. 3 plates, 2*s.*

CALLENDAR AND GRIFFITHS. On the Determination of the Boiling-point of Sulphur, and on a method of Standardising Platinum Resistance Thermometers by reference to it. 1891. 2 plates, 2*s.* 6*d.*

CALLENDER (G. W.) The Formation and Early Growth of the Bones of the Human Face. 1869. 2 plates, 1*s.* 6*d.*

——— On the Formation of some of the Subaxial Arches in Man. 1871. 1 plate, 1*s.* 6*d.*

CALVERT AND JOHNSON. On the Relative Power of Metals and Alloys to conduct Heat. Part I. 1858. 1 plate, 1*s.* 6*d.*

CAPSTICK (J. W.) On the Ratio of the Specific Heats of the Paraffins and their Monohalogen Derivatives. 1894. 2*s.*

CARLISLE (ANTHONY). Account of a monstrous Lamb. 1801. 1 plate, 1*s.*

——— Continuation of an Account of a peculiar arrangement in the Arteries distributed on the Muscles of Slow-moving Animals, &c. 1804. 1 plate, 1*s.*

——— On Muscular Motion. 1805. 1*s.* 6*d.*

——— On the Physiology of the Stapes, one of the bones of the organ of Hearing; deduced from a comparative view of its Structure, and Uses, in different animals. 1805. 1 plate, 1*s.* 6*d.*

——— On the Arrangement and Mechanical Action of the Muscles of Fishes. 1806. 1 plate, 1*s.* 6*d.*

——— An Account of a Family having Hands and Feet with supernumerary Fingers and Toes. 1814. 1*s.*

CARNE (J.) An Account of the Relistian Tin Mine. 1807. 1 plate, 1*s.*

CARNELLEY, HALDANE, AND ANDERSON. The Carbonic Acid, Organic Matter, and Micro-organisms in Air, more especially of Dwellings and Schools. 1887. 2*s.*

CARPENTER (P. H.) On a new Crinoid from the Southern Sea. 1884. 1 plate, 1*s.* 6*d.*

CARPENTER (WILLIAM B.) On the Mutual Relations of the Vital and Physical Forces. 1850. 2*s.*

——— Researches on the Foraminifera.—Part I. Monograph of the genus Orbitolites. 1856. 6 plates, 5*s.*

——— ——— Part II. Genera Orbiculina, Alveolina, Cyclopeus, and Heterostegina. 1856. 4 plates, 3*s.* 6*d.*

——— ——— Part III. On the Genera Peneroplis, Operculina, and Amphistegina. 1859. 6 plates, 3*s.*

——— ——— Fourth and concluding Series (Polystomella). 1860. 6 plates, 4*s.*

——— ——— Supplemental Memoir. On an Abyssal Type of the genus Orbitolites; a study in the Theory of Descent. 1883. 2 plates, 2*s.* 6*d.*

——— Researches on the Structure, Physiology, and Development of Antedon (Comatula, Lamk.) rosaceus.—Part I. 1866. 13 plates, 6*s.*

CARPENTER AND BRADY. Description of Parkeria and Loftusia, two gigantic types of Arenaceous Foraminifera. 1869. 9 plates, 9*s.*

CARTE AND MACALISTER. On the Anatomy of Balaenoptera rostrata. 1868. 4 plates, 3*s.* 6*d.*

CASEY (J.) On Cyclides and Sphero-Quartics. 1871. 6*s.*

——— On a new form of Tangential Equation. 1878. 3*s.*

CASH (J. T.)—See T. L. BRUNTON.

CASH AND DUNSTON. The Physiological Action of the Nitrates of the Paraffin Series, considered in connexion with their Chemical Constitution. 1893. 7*s.*

CASSIE (W.) On the Effect of Temperature on the Specific Inductive Capacity of a Dielectric. 1890. 1*s.*

CAVENDISH (H.) On an Improvement in the Manner of Dividing Astronomical Instruments. 1809. 1 plate, 1*s.*

CAYLEY (ARTHUR). Analytical Researches connected with Steiner's extension of Malfatti's Problem. 1852. 2*s.*

——— An Introductory Memoir on Quantics. 1854. 1*s.* 6*d.*

——— A Second Memoir upon Quantics. 1856. 2*s.*

——— A Third Memoir upon Quantics. 1856. 2*s.*

——— A Fourth Memoir upon Quantics. 1858. 1*s.* 6*d.*

——— A Fifth Memoir upon Quantics. 1858. 2*s.* 6*d.*

——— A Sixth Memoir upon Quantics. 1859. 2*s.*

——— A Seventh Memoir upon Quantics. 1861. 1*s.* 6*d.*

——— An Eighth Memoir on Quantics. 1867. 1 plate, 2*s.*

——— A Ninth Memoir on Quantics. 1871. 2*s.*

——— A Tenth Memoir on Quantics. 1879. 2*s.*

CAYLEY (ARTHUR). Researches on the Partition of Numbers. 1856. 1*s.* 6*d.*

——— Supplementary Researches on the Partition of Numbers. 1858. 1*s.*

——— A Memoir upon Caustics. 1857. 2*s.* 6*d.*

——— A Supplementary Memoir on Caustics. 1867. 1*s.*

——— A Memoir on the Conditions for the Existence of given Systems of Equalities among the Roots of an Equation. 1857. 1*s.*

——— A Memoir on Curves of the Third Order. 1857. 2*s.*

——— Memoir on the Resultant of a System of two Equations. 1857. 1*s.*

——— Addition to Memoir on the Resultant of a System of two Equations. 1868. 1*s.*

——— A Memoir on the Symmetric Functions of the Roots of an Equation. 1857. 2*s.*

——— On the Symmetric Functions of the Roots of certain Systems of two Equations. 1857. 1*s.*

——— Tables of the Sturmian Functions for Equations of the Second, Third, Fourth, and Fifth Degrees. 1857. 9*d.*

——— A Memoir on the Automorphic Linear Transformation of a Bipartite Quadric Function. 1858. 1*s.*

——— A Memoir on the Theory of Matrices. 1858. 1*s.* 6*d.*

——— A Supplementary Memoir on the Theory of Matrices. 1866. 1*s.*

——— On the Tangential of a Cubic. 1858. 9*d.*

——— On the Conic of Five-pointic Contact at any point of a Plane Curve. 1859. 1*s.* 6*d.*

——— On the Double Tangents of a Plane Curve. 1859. 1*s.* 6*d.*

——— On the Equation of Differences for an Equation of any Order, and in particular for the Equations of the Orders Two, Three, Four, and Five. 1860. 1*s.* 6*d.*

——— On the Double Tangents of a Curve of the Fourth Order. 1861. 1*s.*

——— On the Equation for the Product of the Differences of all but one of the Roots of a given Equation. 1861. 1*s.* 6*d.*

——— On an Extension of Arbogast's Method of Derivations. 1861. 1*s.*

——— On a New Auxiliary Equation in the Theory of Equations of the Fifth Order. 1861. 1*s.* 6*d.*

——— On the Porism of the in-and-circumscribed Polygon. 1861. 1*s.* 6*d.*

——— On Tschirnhausen's Transformation. 1862. 1*s.* 6*d.*

——— Addition to the Memoir on Tschirnhausen's Transformation. 1866. 1*s.*

——— On the Analytical Theory of the Conic. 1862. 1*s.* 6*d.*

——— On Skew Surfaces, otherwise Scrolls. 1863. 2*s.*

——— A Second Memoir on Skew Surfaces, otherwise Scrolls. 1864. 1*s.* 6*d.*

CAYLEY (ARTHUR). A Third Memoir on Skew Surfaces, otherwise Scrolls. 1869. 1*s.* 6*d.*

——— On the Sextactic Points of a Plane Curve. 1865. 2*s.*

——— On the Curves which satisfy given Conditions. 1868. 3*s.*

——— Second Memoir on the Curves which satisfy given Conditions; the Principle of Correspondence. 1868. 2*s.*

——— On the Conditions for the existence of Three Equal Roots, or of Two Pairs of Equal Roots, of a Binary Quartic or Quintic. 1868. 1*s.*

——— A Memoir on Cubic Surfaces. 1869. 5*s.*

——— A Memoir on the Theory of Reciprocal Surfaces. 1869. 2*s.*

——— Corrections and Additions to the Memoir on the Theory of Reciprocal Surfaces. 1872. 1*s.*

——— A Memoir on Abstract Geometry. 1870. 1*s.* 6*d.*

——— On the Problem of the In-and Circumscribed Triangle. 1871. 2*s.* 6*d.*

——— On Curvature and Orthogonal Surfaces. 1873. 1*s.* 6*d.*

——— A Memoir on the Transformation of Elliptic Functions. 1874. 3*s.*

——— Addition to Memoir on the Transformation of Elliptic Functions. 1879. 1*s.*

——— A Memoir on Prepotentials. 1876. 5*s.*

——— On the Bicircular Quartic. 1878. 2*s.*

——— A Memoir on the Single and Double Theta-functions. 1881. 2*s.* 6*d.*

——— See R. C. ROWE.

CHALLIS (REV. J.) On the Problem of Three Bodies. 1856. 2*s.*

CHAMBERS (C.) On the Nature of the Sun's Magnetic Action upon the Earth. 1863. 3 plates, 2*s.*

——— On the Solar Variations of Magnetic Declination at Bombay. 1869. 6 plates, 2*s.* 6*d.*

——— The absolute Direction and Intensity of the Earth's Magnetic Force at Bombay, and its Secular and Annual Variations. 1876. 1*s.* 6*d.*

——— On the Luni-Solar Variations of Magnetic Declination and Horizontal Force at Bombay, and of Declination at Trevandrum. 1887. 5 plates, 2*s.*

CHAMBERS (C. AND F.) On the Mathematical Expression of observations of Complex Periodical Phenomena; and on Planetary Influence on the Earth's Magnetism. 1876. 2 plates, 4*s.*

CHAMBERS (F.) The Diurnal Variations of the Wind and Barometric Pressure at Bombay. 1873. 1 plate, 1*s.* 6*d.*

CHANEY (H. J.) Re-determination of the Mass of a cubic inch of Distilled Water. 1892. 1*s.*

CHENEVIX (R.) Analysis of the Arseniates of Copper, and of Iron, from the County of Cornwall; likewise an Analysis of the Red Octaedral Copper Ore of the same county; with Remarks on some particular Modes of Analysis. 1801. 2*s.*

——— See also COUNT DE BOURNON.

——— Observations and Experiments upon Dr. James's powder; with a method of preparing, in the humid way, a similar substance. 1801. 1*s.*

——— Observations on the Chemical Nature of the Humours of the Eye. 1803. 1*s.*

——— On the Action of Platina and Mercury upon each other. 1805. 1*s.* 6*d.*

CHREE (C.) On the Effects of Pressure on the Magnetisation of Cobalt. 1890. 2 plates, 3*s.* 6*d.*

CHRISTIE (CHARLES C.) Memoranda made during the appearance of the Aurora Borealis on the 18th of November, 1835. 1836. 2 plates, 1*s.* 6*d.*

CHRISTIE (J. R.) On the Use of the Barometric Thermometer for the Determination of Relative Heights. 1846. 1*s.*

CHRISTIE (S. H.) On the Effects of Temperature on the Intensity of Magnetic Forces, and on the Diurnal Variation of Terrestrial Magnetic Intensity. 1825. 1 plate, 3*s.*

——— On the Magnetism of Iron arising from its Rotation. 1825. 2 plates, 4*s.*

——— On the Magnetism Developed in Copper and other substances during Rotation. 1825. 1*s.*

——— On Magnetic Influence in the Solar Rays. 1826. 1*s.* 6*d.*

——— On the Mutual Action of the particles of Magnetic Bodies, and on the Law of Variation of the Magnetic Forces generated at different distances during Rotation. 1827. 1 plate, 3*s.*

——— Theory of the Diurnal Variation of the Magnetic Needle illustrated by Experiments. 1827. 2*s.* 6*d.*

——— On the Laws of the Deviation of Magnetized Needles towards Iron. 1828. 2*s.*

——— On Magnetic Influence in the Solar Rays. 1828. 1*s.* 6*d.*

——— Experimental Determination of the Laws of Magneto-electric Induction in different masses of the same metal, and of its Intensity in different Metals. 1833. 2 plates, 2*s.* 6*d.*

——— On Improvements in the Instruments and Methods employed in determining the Direction and Intensity of the Terrestrial Magnetic Force. 1833. 1*s.* 6*d.*

——— Discussion of the Magnetical Observations made by Captain Back, R.N., during his late Arctic Expedition. 1836. 2*s.*

CHURCH (A. H.) Researches on Turacin, an Animal Pigment containing Copper. 1869. 1*s.*

——— ——— Part II. 1892. 1*s.*

CLARK (L.) On a Standard Voltaic Battery. 1874. 1*s.* 6*d.*

CLARKE (A. R.) Note on Archdeacon Pratt's Paper "On the Effect of Local Attraction in the English Arc." 1858. 9*d.*

——— Abstract of Results of the Comparisons of the Standards of Length of England, France, Belgium, Prussia, Russia, India, Australia, made at the Ordnance Survey Office, Southampton. With a Preface by Sir Henry James. 1867. 2*s.*

——— Results of the Comparisons of the Standards of Length of England, Austria, Spain, United States, Cape of Good Hope, and of a second Russian Standard, made at the Ordnance Survey Office, Southampton. 1873. 2*s.*

CLARKE (C. B.) On Biologic Regions and Tabulation Areas. 1892. 2 plates, 2*s.* 6*d.*

CLARKE (G. S.)—See H. M'Leod.

CLARKE (J. L.) Researches into the Structure of the Spinal Chord. 1851. 6 plates, 2*s.* 6*d.*

——— On certain Functions of the Spinal Chord, with further investigations into its Structure. 1853. 2 plates, 1*s.* 6*d.*

——— Researches on the Intimate Structure of the Brain, Human and Comparative. First Series. On the Structure of the Medulla oblongata. 1858. 6 plates, 2*s.* 6*d.*

——— ——— Second Series. 1868. 7 plates, 3*s.* 6*d.*

——— Further Researches on the Grey Substance of the Spinal Cord. 1859. 7 plates, 3*s.*

——— Researches on the Development of the Spinal Cord in Man, Mammalia, and Birds. 1862. 4 plates, 2*s.* 6*d.*

——— On the Structure of the Optic Lobes of the Cuttle-fish. 1867. 1 plate, 1*s.* 6*d.*

CLAUDET (A.) On different properties of Solar Radiation producing or preventing a deposit of Mercury on Silver Plates coated with Iodine, or its compounds with Bromine or Chlorine, modified by Coloured Glass media and the Vapours of the Atmosphere. 1847. 1*s.*

CLELAND (J.) On the Relations of the Vomer, Ethmoid, and Intermaxillary Bones of the plates. 1862. 2 plates, 2*s.*

——— An Inquiry into the Variations of the Human Skull, particularly in the Antero-posterior Direction. 1870. 10 plates, 5*s.*

CLERK (H.) Meteorological Observations made on board Her Majesty's bark *Pagoda*, from January 10th to June 20th, 1845, between 20° and 68° South Latitude, and 0° 120° East Longitude. 1846. 1*s.*

CLIFFORD (W. K.) On Mr. Spottiswoode's Contact Problems. 1874. 1*s.*

——— On the Classification of Loci. 1879. 1*s.*

COHEN (A.) On the Differential Coefficients and Determinants of Lines, and their Application to Analytical Mechanics. 1862. 2*s.*

COMBE (C.) Account of an Elephant's Tusk, in which the iron head of a spear was found imbedded. 1801. 1 plate, 1*s.*

CONROY (Sir J.) Some Observations of the amount of Light reflected and transmitted by certain kinds of Glass. 1889. 1 plate, 1*s.* 6*d.*

COOPER (Astley). Farther Observations on the Effects which take place from the Destruction of the Membrana Tympani of the Ear; with an Account of an Operation for the Removal of a Particular Species of Deafness. 1801. 1 plate, 2*s.*

COOPER (B. B.) Anatomical Description of the Foot of a Chinese Female. 1829. 1 plate, 1*s.*

COOPER (J. T.) A Description of a Hydropneumatic Baroscope. 1839. 1 plate, 1*s.*

COWAN (G. C.)—See J. A. Ewing.

CRACE-CALVERT and JOHNSON. Conductibility of Mercury and Amalgams. 1859. 1*s.*

CREAK (E. W.) On the Changes which take place in the Deviations of the Standard Compass in the Iron Armour-plated, Iron, and Composite-built Ships of the Royal Navy. 1883. 1*s.* 6*d.*

CROFTON (M. W.) On the Theory of Local Probability, applied to Straight Lines drawn at random in a Plane; the methods used being also extended to the proof of certain new Theorems in the Integral Calculus. 1868. 1*s.* 6*d.*

CROFTON (M. W.) On the Proof of the Law of Errors of Observations. 1870. 1*s.* 6*d.*

CROOKES (W.) On Thallium. 1863. 1*s.* 6*d.*

——— Researches on the Atomic Weight of Thallium. 1873. 4 plates, 3*s.*

——— On Attraction and Repulsion resulting from Radiation. 1874. 2*s.*

——— ——— Part II. 1876. 1*s.* 6*d.*

——— ——— Parts III. and IV. 1876. 2 plates, 2*s.* 6*d.*

——— ——— Part V. 1878. 3*s.*

——— ——— Part VI. 1879. 2*s.*

——— Contributions to Molecular Physics in High Vacua. Magnetic Deflection of Molecular Trajectory, etc. 1879. 1*s.* 6*d.*

——— On the Illumination of Lines of Molecular Pressure and the Trajectory of Molecules. 1879. 1 plate, 2*s.*

——— On the Viscosity of Gases at High Exhaustions. 1881. 4 plates, 4*s.*

——— On Radiant Matter Spectroscopy. The Detection and wide Distribution of Yttrium. 1884. 1*s.* 6*d.*

——— Part II. Samarium. 1886. 1 plate, 2*s.*

CROOKES (W.) On the supposed "New Force" of M. J. Thore. 1887. 1*s.*

CULVERWELL (E. P.) On the Discrimination of Maxima and Minima Solutions in the Calculus of Variations. 1887. 1*s.*

CUNNINGHAM AND MACMUNN. On the Coloration of the Skins of Fishes, especially of Pleuronectidae. 1894. 3 coloured plates, 6*s.*

CURREY (F.) On the Fructification of certain Sphaeriaceous Fungi. 1857. 3 plates, 3*s.*

DALE (T. P))—See J. H. GLADSTONE.

DALE AND GLADSTONE. On the Influence of Temperature on the Refraction of Light. 1858. 1*s.*

DALRYMPLE (JOHN). Description of an Infusory Animalcule allied to Notommata. 1849. 2 plates, 2*s.*

DALTON (JOHN). On the Height of the Aurora Borealis above the Surface of the Earth. 1828. 1 plate, 2*s.*

——— Sequel to an Essay on the Constitution of the Atmosphere, published in the *Philosophical Transactions* for 1826; with some Account of the Sulphurets of Lime. 1837. 1*s.* 6*d.*

DANIELL (J. FREDERICK). On a new Register Pyrometer, for Measuring the Expansions of Solids, and Determining the Higher Degrees of Temperature upon the common Thermometric Scale. 1830. 1 plate, 2*s.*

——— Further Experiments with a new Register-Pyrometer for Measuring the Expansion of Solids. 1831. 1*s.* 6*d.*

——— On the Water Barometer erected in the hall of the Royal Society. 1832. 2 plates, 2*s.*

——— On Voltaic Combinations. 1836. 2 plates, 2*s.*

——— Additional Observations on Voltaic Combinations. 1836. 1*s.*

——— Further Observations on Voltaic Combinations. 1837. 1 plate, 2*s.*

——— Fourth letter on Voltaic Combinations, with Reference to the Mutual Relations of the Generating and Conducting Surfaces. 1838. 1 plate, 2*s.*

——— Fifth letter on Voltaic Combinations, with some Account of the Effects of a large Constant Battery. 1839. 1*s.*

——— Sixth letter on Voltaic Combinations. 1842. 2*s.*

——— On the Electrolysis of Secondary Compounds. 1839. 1*s.* 6*d.*

——— Second letter on the Electrolysis of Secondary Compounds. 1840. 1*s.* 6*d.*

——— Additional Researches on the Electrolysis of Secondary Compounds. 1844. 1*s.* 6*d.*

DARWIN (C.) Observations on the Parallel Roads of Glen Roy, and of other parts of Lochaber in Scotland, with an attempt to prove that they are of Marine Origin. 1839. 2 plates, 2*s.* 6*d.*

DARWIN (G. H.) On the Influence of Geological Changes on the Earth's Axis of Rotation. 1877. 2*s.* 6*d.*

——— On the Bodily Tides of Viscous and Semi-elastic Spheroids, and on the Ocean Tides upon a yielding Nucleus. 1879. 1*s.* 6*d.*

——— On the Precession of a Viscous Spheroid, and on the remote History of the Earth. 1879. 1 plate, 3*s.* 6*d.*

——— On the Secular Changes in the Elements of the Orbit of a Satellite revolving about a Tidally distorted Planet. 1880. 4*s.*

——— Problems connected with the Tides of a Viscous Spheroid. 1880. 2*s.* 6*d.*

——— On the Tidal Friction of a Planet attended by several Satellites, and on the Evolution of the Solar System. 1881. 3 plates, 2*s.* 6*d.*

——— On the Stresses caused in the Interior of the Earth by the Weight of Continents and Mountains. 1882. 2 plates, 3*s.*

——— On Figures of Equilibrium of Rotating Masses of Fluid. 1887. 2 plates, 2*s.*

——— On the Mechanical Conditions of a Swarm of Meteorites, and on Theories of Cosmogony. 1889. 2*s.*

——— On Tidal Prediction. 1891. 3*s.*

——— See C. DAVISON.

DARWIN, SCHUSTER, AND MAUNDER. On the Total Solar Eclipse of August 29, 1886. 1889. 2 plates, 2*s.* 6*d.*

DAUBENY (CHARLES). On the Occurrence of Iodine and Bromine in certain Mineral Waters of South Britain. 1830. 1*s.* 6*d.*

——— Note on a Paper by Dr. John Davy, entitled, "Notice on the Remains of the Recent Volcano in the Mediterranean." 1833. 1*s.*

——— On the Quantity and Quality of the Gases disengaged from the Thermal Spring which supplies the King's Bath in the city of Bath. 1834. 1*s.* 6*d.*

——— Some Account of the Eruption of Vesuvius which occurred in the month of August, 1834, extracted from the Manuscript Notes of the Cavaliere Monticelli, etc. 1835. 1*s.*

——— On the Action of Light upon Plants, and of Plants upon the Atmosphere. 1836. 2*s.*

——— Memoir on the Rotation of Crops, and on the Quantity of Inorganic Matters Abstracted from the Soil by various Plants under different circumstances. 1845. 3*s.* 6*d.*

DAVIES (T. S.) Geometrical Investigations concerning the Phenomena of Terrestrial Magnetism. 1835. 2*s.*

——— Geometrical Investigations concerning the Phenomena of Terrestrial Magnetism. Second series.—On the Number of Points at which a Magnetic Needle can take a position Vertical to the Earth's Surface. 1836. 7 plates, 3*s.*

DAVIS (J. B.) Contributions towards Determining the Weight of the Brain in different Races of Man. 1868. 2*s.*

DAVISON (C.) On the Annual and Semi-Annual Seismic Periods. 1894. 3*s.* 6*d.*

DAVISON AND DARWIN. On the Distribution of Strain in the Earth's Crust resulting from Secular Cooling. 1887. 1*s.*

DAVY (EDMUND). On a Simple Electro-Chemical Method of Ascertaining the Presence of Different Metals; Applied to Detect Minute Quantities of Metallic Poisons. 1831. 1*s.* 6*d.*

DAVY (SIR HUMPHRY). An Account of some Galvanic Combinations, formed by the Arrangement of Single Metallic Plates and Fluids, analogous to the new Galvanic Apparatus of Mr. Volta. 1801. 1*s.*

——— An Account of some Experiments and Observations on the Constituent Parts of certain Astringent Vegetables; and on their Operation in Tanning. 1803. 2*s.*

——— An Account of some Analytical Experiments on a Mineral Production from Devonshire, consisting principally of Alumine and Water. 1805. 1*s.*

——— On a Method of Analyzing Stones containing fixed Alkali by Means of the Boracic Acid. 1805. 6*d.*

——— On some Chemical Agencies of Electricity. 1807. 1 plate, 2*s.* 6*d.*

——— An Account of some new Analytical Researches on the Nature of certain Bodies, particularly the Alkalies, Phosphorus, Sulphur, Carbonaceous Matter, and the Acids hitherto Undecompounded; with some general Observations on Chemical Theory. 1809. 1 plate, 1*s.* 6*d.*

——— New Analytical Researches on the Nature of certain Bodies. 1809. 1*s.* 6*d.*

——— On some new Electro-Chemical Researches, on various Objects, particularly the Metallic Bodies, from the Alkalies and Earths, and on some Combinations of Hydrogene. 1810. 2 plates, 3*s.*

——— Researches on the Oxymuriatic Acid, its Nature and Combinations; and on the Elements of the Muriatic Acid. With some Experiments in Sulphur and Phosphorus. 1810. 2*s.*

——— On a Combination of Oxymuriatic Gas and Oxygene Gas. 1811. 1*s.*

——— On some of the Combinations of Oxymuriatic Gas and Oxygene, and on the Chemical Relations of these Principles to Inflammable Bodies. 1811. 2*s.*

——— On some Combinations of Phosphorus and Sulphur, and on some other subjects of Chemical Inquiry. 1812. 1*s.*

——— An Account of some new Experiments on the Fluoric Compounds. On a new Substance which becomes a violet-coloured Gas by Heat. 1814. 1*s.* 6*d.*

DAVY (SIR HUMPHRY). On a new Phenomenon of Electro-Magnetism. 1823. 1*s.*

——— On the Application of Liquids formed by the Condensation of Gases as Mechanical Agents. 1823. 1*s.*

——— On the Corrosion of Copper Sheeting by Sea Water, and on Methods of Preventing this Effect; and on their Application to Ships of War and other Ships. 1824. 1*s.*

——— On the Relations of Electrical and Chemical Changes. 1826. 2*s.* 6*d.*

——— On the Phenomena of Volcanoes. 1828. 1*s.*

——— Experiments on the Torpedo. 1829. 1*s.*

DAVY (JOHN). An Account of some Experiments on the Combinations of Different Metals and Chlorine, etc. 1812. 1*s.* 6*d.*

——— An Account of some Experiments on Different Combinations of Fluoric Acid. 1812. 1*s.* 6*d.*

——— Farther Particulars of a Case of Pneumato-thorax. 1824. 1*s.*

——— Observations on the Changes which have taken place in some Antient Alloys of Copper. 1826. 1*s.*

——— Observations on the Poison of the Common Toad. 1826. 1*s.*

——— An Account of some Experiments and Observations on the Torpedo (Raia Torpedo, Linn.) 1832. 1*s.* 6*d.*

——— Some Account of a New Volcano in the Mediterranean. 1832. 2 plates, 2*s.*

——— Further Notice of the New Volcano in the Mediterranean. 1832. 1*s.*

——— Notice of the Remains of the Recent Volcano in the Mediterranean. 1833. 1*s.*

——— Observations on the Torpedo, with an Account of some Additional Experiments on its Electricity. 1834. 3 plates, 2*s.*

——— Some Remarks in reply to Dr. Daubeny's Note on the Air disengaged from the Sea over the Site of the Recent Volcano in the Mediterranean. 1834. 1*s.*

——— An Account of some Experiments on the Blood in connexion with the Theory of Respiration. 1838. 1*s.* 6*d.*

——— On the Male Organs of some of the Cartilaginous Fishes. 1839. 1*s.* 6*d.*

——— Miscellaneous Observations on Animal Heat. 1844. 1*s.*

——— On the Temperature of Man. 1845. 1*s.* 6*d.*

——— On the Temperature of Man within the Tropics. 1850. 1*s.* 6*d.*

——— Some Observations on the Ova of the Salmon in Relation to the Distribution of Species. 1856. 1*s.* 6*d.*

——— See CH. DAUBENY.

DAY (R. E.)—See W. G. ADAMS.

DAWSON (SIR J. W.) On the Results of Recent Explorations of Erect Trees containing Animal Remains in the Coal-formation of Nova Scotia. 1882. 9 plates, 5*s.*

DEBUS (H.) On the Action of Ammonia on Glyoxal. 1858. 1*s.*

——— On some Compounds and Derivatives of Glyoxylic Acid. 1863. 1*s.* 6*d.*

——— Chemical Theory of Gunpowder. 1882. 2*s.*

DE LA RIVE (A.) Researches on the Voltaic Arc, and on the influence which Magnetism exerts both on this Arc and on Bodies transmitting interrupted Electric Currents. 1847. 1*s.* 6*d.*

DE LA RUE (WARREN). On the Total Solar Eclipse of July 18th, 1860, observed at Rivabellosa, near Miranda de Ebro, in Spain. 1862. 13 plates, 5*s.*

DE LA RUE AND MÜLLER. On the Resin of Ficus Rubiginosa, and a new Homologue of Benzylic Alcohol. 1860. 1*s.*

——— Experimental Researches on the Electrical Discharge with the Chloride of Silver Battery. Part I. The Discharge at ordinary Atmospheric Pressures. 1878. 3 plates, 4*s.*

——— ——— Part II. The Discharge in Exhausted Tubes. 1878. 4 plates, 6*s.*

——— ——— Part III. Tube-Potential; Potential at a Constant Distance and Various Pressures, etc. 1880. 3 plates, 4*s.* 6*d.*

——— ——— Part IV. Tube-Potential. Pressure of least Resistance dependent on the Shape and Dimensions of Vessel. 1883. 2 plates, 2*s.* 6*d.*

DE LA RUE, STEWART, AND LOEWY. Researches on Solar Physics. Heliographical Positions and Areas of Sunspots observed with the Kew Photoheliograph during the years 1862 and 1863. 1869. 2 plates, 5*s.*

——— ——— No. II. The Positions and Areas of the Spots observed at Kew during the years 1864, 1865, 1866, ; also the Spotted Area of the Sun's visible Disk from the commencement of 1832 up to May, 1868. 1870. 1 plate, 5*s.*

DE MORGAN (A.) On a point connected with the Dispute between Keil and Leibnitz about the Invention of Fluxions. 1846. 1*s.*

DE MORGAN (C.) On the Structure and Functions of the Hairs of the Crustacea. 1859. 1 plate, 1*s.* 6*d.*

——— See J. TOMES.

DES CLOIZEAUX (A. L. O.) New Researches upon the Dispersion of the Optic Axes in Harmotome and Wöhlerite, proving these Minerals to belong to the Clinorhombic (Oblique) System. 1868. 1 plate, 2*s.*

——— On a new Locality of Amblygonite, and on Montebrasite, a new Hydrated Aluminium and Lithium Phosphate. 1873. 1*s.* 6*d.*

DEWAR (J.) See G. D. LIVEING.

DILLWYN (L. W.) On Fossil Shells. 1823. 1*s.*

——— A Letter on Fossil Shells. 1824. 1*s.*

DIVERS (E.) On the Union of Ammonia Nitrate with Ammonia. 1873. 1*s.*

DIXON (H. B.) Conditions of Chemical Change in Gases: Hydrogen, Carbonic Oxide, and Oxygen. 1885. 2 plates, 3*s.*

——— The Rate of Explosion in Gases. 1893. 1 plate, 4*s.* 6*d.*

DODDS (J. M.) See R. T. GLAZEBROOK.

DOLLOND (GEORGE). An Account of a Concave Achromatic Glass Lens, as adapted to the Wired Micrometer when applied to a Telescope, which has the Property of increasing the Magnifying Power of the Telescope, without increasing the Diameter of the Micrometer Wires. 1834. 1*s.*

DONKIN (W. F.) On a Class of Differential Equations, including those which occur in Dynamical Problems. Part I. 1854. 2*s.* 6*d.*

——— ——— Part II. 1855. 3*s.*

——— On the Equation of Laplace's Functions, etc. 1857. 1*s.* 6*d.*

——— On the Analytical Theory of the Attraction of Solids bounded by Surfaces of a Hypothetical Class, including the Ellipsoid. 1860. 1*s.*

DRUMMOND (R.) On the Means of facilitating the Observation of Distant Stations in Geodætical Operations. 1826. 1 plate, 1*s.* 6*d.*

DRUMMOND (T.) On the Illumination of Lighthouses. 1830. 1 plate, 1*s.* 6*d.*

DUNCAN (P. M.) On the Genera Heterophyllia, Battersbyia, Palaeocyclus, and Asterosmilia. 1867. 2 plates, 1*s.* 6*d.*

——— On the Structure and Affinities of Guynia Annulata, Dunc., with Remarks upon the Persistence of Palaeozoic Types of Madreporaria. 1872. 1 plate, 1*s.* 6*d.*

DUNCAN AND JENKINS. On Palaeocoryne, a Genus of Tubularine Hydrozoa from the Carboniferous Formation. 1869. 1 plate, 1*s.*

DUNKERLY (S.) On the Whirling and Vibration of Shafts. 1894. 4*s.* 6*d.*

DUNLOP (J.) A Catalogue of Nebulae and Clusters of Stars in the Southern Hemisphere, observed at Paramatta in New South Wales. 1828. 6 plates, 5*s.*

DUNSTAN (W. R.) See J. T. CASH.

DUPPA (B. F.) See E. FRANKLAND.

DUPRÉ (A.) On the Specific Heat and other Physical Characters of Mixtures of Methylic Alcohol and Water, and on certain Relations existing between the Specific Heat of a Mixture or Solution and the Heat evolved or absorbed in their Formation. 1872. 1 plate, 2*s.*

DUPRÉ AND PAGE. On the Specific Heat and other Physical Characters of Mixtures of Ethylic Alcohol and Water. 1869. 1 plate, 2*s.*

DYSON (F. W.) The Potential of an Anchor Ring. 1893. 3*s.*

——— ——— Part II. 1893. 3*s.*

EARLE (Sir J.) An Account of a Calculus from the Human Bladder of Uncommon Magnitude. 1809. 2 plates, 1*s.* 6*d.*

EARNSHAW (S.) On the Mathematical Theory of Sound. 1860. 1*s.* 6*d.*

EGERTON (Sir P. de M. G.) On Chondrosteus, an Extinct Genus of the Sturionidæ, found in the Lias Formation at Lyme Regis. 1858. 4 plates, 2*s.*

ELLIOT (C. M.) Magnetic Survey of the Eastern Archipelago. 1851. 10 plates, 5*s.*

——— On the Lunar Atmospheric Tide at Singapore. 1852. 1 plate, 1*s.*

ELLIOTT (E. B.) On the Interchange of the Variables in certain Linear Differential Operators. 1890. 1*s.* 6*d.*

ELLIS (G. V.) Researches into the Nature of the Involuntary Muscular Tissue of the Urinary Bladder. 1859. 2 plates, 1*s.* 6*d.*

ELLIS (W.) On the Relation between the Diurnal Range of Magnetic Declination and Horizontal Force, as observed at the Royal Observatory, Greenwich, during the years 1841 to 1877, and the Period of Solar Spot frequency. 1880. 3 plates, 2*s.*

EMBLETON (D.) See A. Hancock.

ESSON (W.) See A. V. Harcourt.

EVANS (F. J.) Reduction and Discussion of the Deviations of the Compass observed on board of all the Iron-built Ships, and a selection of the Wood-built Steamships in Her Majesty's Navy, and the Iron Steamship *Great Eastern*. 1860. 2 plates, 2*s.*

——— On the Amount and Changes of the Polar Magnetism at certain positions in Her Majesty's Iron-built and Armour-plated Ship *Northumberland*. 1868. 2 plates, 2*s.*

——— On the present Amount of Westerly Magnetic Declination (Variation of the Compass) on the Coast of Great Britain, and its Annual Changes. 1872. 1 plate, 1*s.* 6*d.*

EVANS and SMITH. On the Magnetic Character of the Armour-plated Ships of the Royal Navy, and on the Effect on the Compass of Particular Arrangements of Iron in a Ship. 1865. 2 plates, 3*s.*

EVANS (J.) See J. Prestwich.

EVERETT (J. D.) Account of Experiments on the Flexural and Torsional Rigidity of a Glass Rod, leading to the Determination of the Rigidity of Glass. 1866. 1 plate, 1*s.*

——— Account of Experiments on Torsion and Flexure for the Determination of Rigidities. 1867. 1 plate, 1*s.* 6*d.*

——— Account of Experiments on Torsion and Flexure for the Determination of Rigidities. Third Paper. 1868. 1*s.*

EVERETT (J. D.) Results of Observations of Atmospheric Electricity at Kew Observatory, and at King's College, Windsor, Nova Scotia. 1868. 4 plates, 2*s.* 6*d.*

EWART (J. C.) The Electric Organ of the Skate. 1888. 2 plates, 1*s.* 6*d.*

——— The Electric Organ of the Skate.—The Electric Organ of Raia radiata. 1889. 2 plates, 1*s.* 6*d.*

——— The Electric Organ of the Skate.—Observations on the Structure, Relations, Progressive Development and Growth of the Electric Organ of the Skate. 1892. 5 plates, 5*s.* 6*d.*

——— See G. J. ROMANES.

EWING (J. A.) Experimental Researches in Magnetism. 1886. 12 plates, 7*s.* 6*d.*

——— Effects of Stress and Magnetisation on the Thermo-electric Quality of Iron. 1887. 3 plates, 2*s.*

——— Magnetic Qualities of Nickel. (Supplementary Paper.) 1888. 1 plate, 1*s.*

——— See EWING AND COWAN.

——— See F. JENKIN.

EWING AND COWAN. Magnetic Qualities of Nickel. 1888. 2 plates, 1*s.*

EWING AND KLAASSEN. Magnetic Qualities of Iron. 1894. 8 plates, 6*s.* 6*d.*

EWING AND LOW. On the Magnetisation of Iron and other Magnetic Metals in very Strong Fields. 1889. 1*s.*

FAIRBAIRN (W.) An Experimental Inquiry into the Strength of Wrought-iron Plates and their Riveted Joints as applied to Ship-building and Vessels exposed to Severe Strains. 1850. 5 plates, 2*s.* 6*d.*

——— On the Resistance of Tubes to Collapse. 1858. 2 plates, 2*s.*

——— Experiments to Determine the Effect of Impact, Vibratory Action, and Long-continued Changes of Load on Wrought-iron Girders. 1864, 2 plates, 2*s.*

FAIRBAIRN AND TATE. On the Resistance of Glass Globes and Cylinders to Collapse from External Pressure; and on the Tensile and Compressive Strength of Various Kinds of Glass. 1859. 2*s.*

——— Experimental Researches to Determine the Density of Steam at Different Temperatures, and to Determine the Law of Expansion of Superheated Steam. 1860. 3 plates, 2*s.*

——— On the Law of Expansion of Superheated Steam. 1862. 1*s.*

FALLOWS (REV. F.) A Catalogue of nearly all the Principal Fixed Stars between the Zenith of Cape Town and the South Pole, reduced to the 1st of January, 1824. 1824. 2*s.*

FALLOWS (REV. F.) Observations with the Invariable Pendulum at the Royal Observatory, Cape of Good Hope, for the purpose of Determining the Compression of the Earth. 1830. 2*s.*

FARADAY (MICHAEL). On the Condensation of Several Gases into Liquids. 1823. 1*s.*

——— On the Mutual Action of Sulphuric Acid and Naphthaline, and on a new Acid produced. 1826. 2*s.*

——— On the Manufacture of Glass for Optical Purposes. 1830. 1 plate, 3*s.* 6*d.*

——— On a Peculiar Class of Acoustical Figures; and on Certain Forms assumed by Groups of Particles upon Vibrating Elastic Surfaces. 1831. 2*s.* 6*d.*

——— Experimental Researches in Electricity. First Series. On the Induction of Electric Currents, etc. 1832. 1 plate, 2*s.*

——— ——— Second Series. Terrestrial Magneto electric Induction, etc. 1832. 1 plate, 2*s.*

——— ——— Third Series. Identity of Electricities derived from different Sources. 1833. 1 plate, 2*s.*

——— ——— Fourth Series. On a new law of Electric Conduction. 1833. 1*s.* 6*d.*

——— ——— Fifth Series. On Electro-chemical Decomposition. 1833. 1 plate, 2*s.*

——— ——— Sixth Series. On the Power of Metals and other Solids to induce the Combination of Gaseous Bodies. 1834. 1 plate, 2*s.*

——— ——— Seventh Series. On Electro-chemical Decomposition, etc. 1834. 2*s.* 6*d.*

——— ——— Eighth Series. On the Electricity of the Voltaic Pile, etc. 1834. 1 plate, 2*s.*

——— ——— Ninth Series. On the Influence by Induction of an Electric Current on itself. 1835. 1*s.* 6*d.*

——— ——— Tenth Series. On an improved form of the Voltaic Battery. 1835. 1*s.* 6*d.*

——— ——— Eleventh Series. On Induction. Supplementary note. 1838. 1 plate, 2*s.* 6*d.*

——— ——— Twelfth Series. On Induction (continued). Conduction or Conductive Discharge. Electrolytic Discharge. Disruptive Discharge. 1838. 1 plate, 2*s.* 6*d.*

——— ——— Thirteenth Series. On Induction (continued). Disruptive Discharge (continued). Peculiarities of Positive and Negative Discharge. either as Spark or Brush. Glow Discharge. Dark Discharge. Convection, or Carrying Discharge. Relation of a Vacuum to Electrical Phenomena. Nature of Electrical Current. 1838. 2*s.*

FARADAY (MICHAEL). Experimental Researches in Electricity. Fourteenth Series. Nature of the Electric Force or Forces. Relation of the Electric and Magnetic Forces. Note on Electrical Excitation. 1838. 1*s.* 6*d.*

——— ——— Fifteenth Series. Notice of the Character and Direction of the Electric Force of the Gymnotus. 1839. 1*s.*

——— ——— Sixteenth Series. On the Source of Power in the Voltaic Pile. I.–III. 1840. 1 plate, 2*s.*

——— ——— Seventeenth Series. On the Source of Power in the Voltaic Pile. IV.–X. 1840. 1*s.* 6*d.*

——— ——— Eighteenth Series. On the Electricity evolved by the Friction of Water and Steam against other Bodies. 1843. 1 plate, 2*s.*

——— ——— Nineteenth Series. On the Magnetisation of Light and the Illumination of Magnetic Lines of Force. 1846. 2*s.*

——— ——— Twentieth Series. On New Magnetic Actions, and on the Magnetic Condition of all Matter. 2*s.*

——— ——— Twenty-first Series. On New Magnetic Actions, and on the Magnetic Condition of all Matter, continued. 1846. 2*s.*

——— ——— Twenty-second Series. On the Crystalline Polarity of Bismuth and other Bodies. 1849. 2 parts, 2*s.* 6*d.*

——— ——— Twenty-third Series. On the Polar or other Condition of Diamagnetic Bodies. 1850. 1*s.* 6*d.*

——— ——— Twenty-fourth Series. On the possible Relation of Gravity to Electricity. 1851. 1*s.*

——— ——— Twenty-fifth Series. On the Magnetic and Diamagnetic Condition of Bodies. 1851. 1*s.* 6*d.*

——— ——— Twenty-sixth Series. Magnetic Conducting Power. Atmospheric Magnetism. 1851. 1 plate, 2*s.*

——— ——— Twenty-seventh Series. On Atmospheric Magnetism, continued. 1851. 1 plate, 2*s.*

——— ——— Twenty-eighth Series. On Lines of Magnetic Force. 1852. 2*s.*

——— ——— Twenty-ninth Series. On the Employment of the Induced Magneto-electric Current as a Test and Measure of Magnetic Forces. 1852. 1 plate, 2*s.*

——— ——— Thirtieth Series. Constancy of Magnecrystallic Force in different Media: Action of Heat on Magnecrystals. 1856. 2*s.*

——— On the Liquefaction and Solidification of Bodies generally existing as Gases. 1845. 1*s.* 6*d.*

——— Experimental Relations of Gold (and other Metals) to Light. 1857. 2*s.* 6*d.*

FAREY (J.) An Account of the great Derbyshire Denudation. 1811. 1 plate, 1*s.* 6*d.*

FARQUHARSON (Rev. J.) On a definite Arrangement and Order of the Appearance and Progress of the Aurora Borealis, and on its Height above the Surface of the Earth. 1829. 2*s.*

——— Experiments on the Influence of the Aurora Borealis on the Magnetic Needle. 1830. 2*s.*

——— On the Ice Formed, under peculiar circumstances, at the Bottom of Running Water. 1835. 1*s.* 6*d.*

——— Report of a Geometrical Measurement of the Height of the Aurora Borealis above the Earth. 1839. 1*s.* 6*d.*

——— On Ground Gru, or Ice Formed, under peculiar circumstances, at the Bottom of Running Water. 1841. 1*s.*

——— Report of a Remarkable Appearance of the Aurora Borealis below the Clouds. 1842. 9*d.*

FARR (W.) On the Construction of Life-Tables, illustrated by a New Life-Table of the Healthy Districts of England. 1859. 1 plate, 2*s.*

——— English Reproduction Table. 1880. 1*s.*

FARRE (ARTHUR). Observations on the Minute Structure of some of the Higher Forms of Polypi, with Views of a more Natural Arrangement of the Class. 1837. 8 plates, 5*s.*

——— On the Organ of Hearing in Crustacea. 1843. 2 plates. 2*s.*

FERRERS (N. M.) Note on Professor Sylvester's representation of the Motion of a Free Rigid Body by that of a Material Ellipsoid whose centre is fixed, and which Rolls on a Rough Plane. 1870. 1*s.*

FERRIER (D.) Experiments on the Brain of Monkeys. Second Series. 1876. 2*s.* 6*d.*

FERRIER AND TURNER. A Record of Experiments Illustrative of the Symptomatology and Degenerations following Lesions of the Cerebellum and its Peduncles and Related Structures in Monkeys. 1894. 8 plates, 7*s.* 6*d.*

FERRIER AND YEO. A Record of Experiments on the Effects of Lesion of Different Regions of the Cerebral Hemispheres. 1885. 17 plates, 6*s.*

FESTING (MAJ.-GEN.) See ABNEY.

FISHER (G.) See SIR E. HOME.

FISHER (REV. G.) Magnetical Experiments, made principally in the South part of Europe and in Asia Minor, during the years 1827–32. 1833. 1*s.* 6*d.*

FITZGERALD (G. F.) On the Electromagnetic Theory of the Reflection and Refraction of Light. 1880. 1*s.* 6*d.*

FITZPATRICK (T. C.) See R. T. GLAZEBROOK.

FLIGHT (W.) Report of an Examination of the Meteorites of Cranbourne in Australia, of Rowton in Shropshire, and of Middlesbrough in Yorkshire. 1883. 1 plate, 1*s.* 6*d*

FLINDERS (M.) Observations on the Marine Barometer, made during the Examination of the Coasts of New Holland and New South Wales, 1801–3. 1806. 2*s.*

——— See HORSBURGH.

FLOWER (W. H.) On the Posterior Lobes of the Cerebrum of the Quadrumana. 1862. 2 plates, 2*s.*

——— On the Commissures of the Cerebral Hemispheres of the Marsupialia and Monotremata as compared with those of the Placental Mammals. 1865. 3 plates, 2*s.*

——— On the Development and Succession of the Teeth in Marsupialia. 1867. 2 plates, 2*s.*

——— On a newly discovered Extinct Ungulate Mammal from Patagonia, Homalodontotherium Cunninghami. 1874. 1 plate, 1*s.*

FORBES (G.) See J. YOUNG.

FORBES (JAMES D.) Note Relative to the Supposed Origin of the Deficient Rays in the Solar Spectrum; being an Account of an Experiment made at Edinburgh during the Annular Eclipse of the 15th of May, 1836. 1*s.*

——— On the Temperatures and Geological Relations of certain Hot Springs, particularly those of the Pyrenees; and on the Verification of Thermometers. 1836. 1 plate, 3*s.*

——— On the Transparency of the Atmosphere and the Law of Extinction of the Solar Rays in Passing through it. 1842. 9 plates, 6*s.*

——— Illustrations of the Viscous Theory of Glacier Motion. Part I. Containing Experiments on the Flow of Plastic Bodies, and Observations on the Phenomena of Lava Streams. 1846. 3 plates, 2*s.*

——— Part II. An Attempt to Establish by Observation the Plasticity of Glacier Ice. 1846. 3 plates, 2*s.*

——— Part III. On the Motion of Glaciers and on the Influence of Seasons. 1846. 2 plates, 2*s.*

FORCHHAMMER (G.) On the Composition of Sea-water in the different parts of the Ocean. 1865. 3*s.*

FORSYTH (A. R.) Memoir on the Theta-Functions, particularly those of two Variables. 1883. 2*s.* 6*d.*

——— On Abel's Theorem and Abelian Functions. 1883. 2*s.*

——— Invariants, Covariants, and Quotient-Derivatives associated with Linear Differential Equations. 1888. 2*s.*

——— A Class of Functional Invariants. 1889. 1*s.* 6*d.*

FORSYTH-MAJOR (C. I.) On Megaladapis Madagascariensis, an Extinct Gigantic Lemuroid from Madagascar, with Remarks on the Associated Fauna and on its Geological Age. 1894. 3 plates, 2*s.* 6*d.*

FOSTER (G. C.) See A. MATTHIESSEN.

FOSTER (H.) Account of Experiments made with an Invariable Pendulum at the Royal Observatory at Greenwich, and at Port Bowen, on the eastern side of Prince Regent's Inlet. 1826. 3*s.* 6*d.*

——— Account of the Repetition of Mr. Christie's Experiments on the Magnetic Properties imparted to an Iron Plate by Rotation at Port Bowen in May and June, 1825. 1826. 2 plates, 2*s.*

——— A Comparison of the Diurnal Changes of Intensity in the Dipping and Horizontal Needles at Port Bowen. 1826. 1*s.*

——— Observations on the Diurnal Changes in the Position of the Horizontal Needle under a Reduced Directive Power at Port Bowen, 1825. 1826. 4 plates, 3*s.*

——— Observations on the Diurnal Variation of the Magnetic Needle at the Whale Fish Islands, Davis's Strait. 1826. 9*d.*

——— A Comparison of the Changes of Magnetic Intensity throughout the Day, in the Dipping and Horizontal Needles at Treurenburgh Bay in Spitsbergen. 1828. 1*s.* 6*d.*

——— See B. HALL.

——— See W. E. PARRY.

FOWNES (GEORGE). On the Existence of Phosphoric Acid in Rocks of Igneous Origin. 1844. 1*s.*

——— An Account of the Artificial Formation of a Vegeto-Alkali. 1845. 1*s.*

——— On Benzoline, a new Organic Salt-Base from Bitter Almond Oil. 1845. 1*s.*

——— On the Value in Absolute Alcohol of Spirits of different Specific Gravities. 1847. 1 plate, 1*s.*

FOX (R. W.) On the Electro-magnetic Properties of Metalliferous Veins in the Mines of Cornwall. 1830. 2*s.*

——— On the Variable Intensity of Terrestrial Magnetism, and the Influence of the Aurora Borealis upon it. 1831. 1*s.*

——— Note on the Electrical Relations of certain Metals and Metalliferous Minerals. 1835. 6*d.*

FOX (W.) On the Development of Striated Muscular Fibre. 1866. 2 plates, 1*s.* 6*d.*

FRANCE (E. P.) On the descending Degenerations which follow Lesions of the Gyrus marginalis and G. fornicatus in Monkeys. 1889. 3 plates, 2*s.* 6*d.*

FRANKLAND (E.) On a New Series of Organic Bodies containing Metals. 1852. 2*s.*

——— Researches on Organo-metallic Bodies. Second Memoir. Zincethyl. 1855. 1*s.* 6*d.*

——— ——— Third Memoir. On a New Series of Organic Acids containing Nitrogen. 1857. 1*s.* 6*d.*

——— ——— Fourth Memoir. 1859. 1*s.* 6*d.*

FRANKLAND (E.) On the Influence of Atmospheric Pressure upon some of the Phenomena of Combustion. 1861. 2 plates, 2*s.*

——— On a New Series of Organic Compounds containing Boron. 1862. 1*s.*

FRANKLAND AND DUPPA. Researches on Acids of the Lactic Series. I. 1866. 2*s.*

——— Synthetical Researches on Ether. I. 1866. 2*s.*

FRANKLAND (G. C. AND P. F.) Studies on some new Micro-organisms obtained from Air. 1887. 4 plates, 2*s.*

FRANKLAND (P. F.) A new Method for the Quantitative Estimation of the Micro-organisms present in the Atmosphere. 1887. 1*s.*

FRANKLAND (P. F. AND G. C.) The Nitrifying Process and its Specific Ferment. Part I. 1890. 1*s.*

FRANZ (J. C. A.) Memoir of the Case of a Gentleman born Blind, and successfully operated upon in the Eighteenth Year of his Age, with Physiological Observations and Experiments. 1841. 1*s.* 6*d.*

FRASER (A.) On the Development of the Ossicula Auditus in the Higher Mammalia. 1883. 5 plates, 2*s.* 6*d.*

GADOW (H.) Remarks on the Cloaca and on the Copulatory Organs of the Amniota. 1887. 4 plates, 2*s.*

——— On the Modifications of the First and Second Visceral Arches, with especial Reference to the Homologies of the Auditory Ossicles. 1888. 4 plates, 2*s.*

GADOW AND ABBOTT. On the Evolution of the Vertebral Column of Fishes. 1895. 2*s.* 6*d.*

GALLOWAY (T.) On the Proper Motion of the Solar System. 1847. 2*s.*

GALTON (F.) The Patterns in Thumb and Finger Marks. 1891. 2 plates, 2*s.*

GAMGEE (A.) Researches on the Blood: On the Action of Nitrites on Blood. 1868. 2*s.*

GARDINER (W.) On the Continuity of the Protoplasm through the Walls of Vegetable Cells. 1884. 3 plates, 2*s.* 6*d.*

GASKELL)W. H.) On the Rhythm of the Heart of the Frog, and on the Nature of the Action of the Vagus Nerve. 1882. 5 plates, 2*s.* 6*d.*

GASSIOT (J. P.) An Account of Experiments made with the View of ascertaining the Possibility of obtaining a Spark before the Circuit of the Voltaic Battery is completed. 1840. 1*s.*

——— A Description of an extensive Series of the Water Battery; with an Account of some Experiments made in order to test the Relation of the Electrical and the Chemical Actions which take place before and after completion of the Voltaic Circuit. 1844. 1 plate, 1*s.* 6*d.*

——— On the Stratifications and Dark Band in Electrical Discharges as observed in Torricellian Vacua. 1858. 1 plate, 1*s.* 6*d*

GASSIOT (J. P.) On the Stratifications in Electrical Discharges as observed in Torricellian and other Vacua. Second Communication. 1859. 1 plate, 2*s*.

GIBSON (B.) Description of an extraordinary Human Foetus. 1810. 2 plates, 1*s*. 6*d*.

GIBSON AND BARCLAY. Measurements of Specific Inductive Capacity of Dielectrics, in the Physical Laboratory of the University of Glasgow. 1871. 2 plates, 1*s*. 6*d*.

GILBERT (D.) On the Mathematical Theory of Suspension Bridges. 1826. 1*s*. 6*d*.

——— On the Expediency of assigning Specific Names to all such Functions of Simple Elements as represent definite Physical Properties, with the Suggestion of a new Term in Mechanics; illustrated by an Investigation of the Machine moved by Recoil; and also by some Observations on the Steam Engine. 1827. 1*s*. 6*d*.

——— On the progressive Improvements made in the Efficiency of Steam Engines in Cornwall; with Investigations of the Methods best adapted for imparting great Angular Velocities. 1830. 1*s*. 6*d*.

——— On the Nature of Negative and Imaginary Quantities. 1831. 1 plate, 1*s*.

——— A Table for facilitating the Computations relative to Suspension Bridges. 1831. 1*s*.

GILBERT (J. H.) See J. B. LAWES.

GLADSTONE (J. H.) On Circumstances modifying the Action of Chemical Affinity. 1855. 3 plates, 3*s*.

——— On the Refraction-Equivalents of the Elements. 1870. 2*s*.

GLADSTONE AND DALE. Researches on the Refraction, Dispersion, and Sensitiveness of Liquids. 1863. 2*s*.

GLAISHER (JAMES). On the Amount of the Radiation of Heat, at Night, from the Earth, and from various Bodies placed on or near the Surface of the Earth. 1847. 5*s*.

——— On the Corrections to be applied to the Monthly Means of Meteorological Observations taken at any Hour, to convert them into Mean Monthly Values. 1848. 1*s*. 6*d*.

——— On the Reduction of the Thermometrical Observations made at the Apartments of the Royal Society, from the year 1774 to 1781, and from the year 1787 to 1843. 1849. 1*s*.

——— Sequel to a Paper on the Reduction of the Thermometrical Observations made at the Apartments of the Royal Society. 1850. 2*s*.

GLAISHER (J. W. L.) Tables of the Numerical Values of the Sine-integral, Cosine-integral, and Exponential-integral. 1870. 2*s*.

——— On a Class of Identical Relations in the Theory of Elliptic Functions. 1876. 2*s*.

GLAISHER (J. W. L.) On Riccati's Equation and its Transformations, and on some Definite Integrals which satisfy them. 1882. 2*s.* 6*d.*

GLAZEBROOK (R. T.) On Plane Waves in a Biaxal Crystal. 1879. 3*s.*

——— Double Refraction and Dispersion in Iceland Spar. 1880. 1*s.* 6*d.*

——— On the Refraction of Plane Polarised Light at the Surface of a Uniaxal Crystal. 1882. 1*s.* 6*d.*

GLAZEBROOK, DODDS, AND SARGANT. Experiments on the Value of the British Association Unit of Resistance. 1883. 2*s.*

GLAZEBROOK AND FITZPATRICK. On the Specific Resistance of Mercury. 1888. 1 plate, 1*s.*

GLAZEBROOK AND SKINNER. On the Clark Cell as a Standard of Electromotive Force. 1892. 1 plate, 2*s.* 6*d.*

GOLDINGHAM (J.) Eclipses of the Satellites of Jupiter observed at Madras. 1808. 1*s.* 6*d.*

GOMPERTZ (B.) The Application of a Method of Differences to the Species of Series whose Sums are obtained by Mr. Landen, by the Help of Impossible Quantities. 1806. 2*s.* 6*d.*

——— On the Nature of the Function expressive of the Law of Human Mortality, and on a New Mode of Determining the Value of Life Contingencies. 1825. 3*s.* 6*d.*

——— A Supplement to Two Papers published in the *Transactions of the Royal Society* "On the Science connected with Human Mortality," the one published in 1820, and the other in 1825. 1862. 2*s.*

GOODSIR (J.) On the Supra-renal, Thymus, and Thyroid Bodies. 1846. 1 plate, 1*s.* 6*d.*

GORDON (J. E. H.) On the Determination of Verdet's Constant in Absolute Units. 1877. 1 plate, 2*s.*

GORDON (G. E. H.) Measurements of Electrical Constants. No. II. On the Specific Inductive Capacities of Certain Dielectrics. Part I. 1879. 1*s.* 6*d.*

GORE (G.) On the Properties of Electro-deposited Antimony. 1858. 1*s.*

——— ——— (continued). 1859. 1*s.*

——— ——— (concluded). 1862. 1*s.*

——— On the Properties of Liquid Carbonic Acid. 1861. 1*s.*

——— On Hydrofluoric Acid. 1869. 1*s.* 6*d.*

——— On Fluoride of Silver. 1870. 1*s.* 6*d.*

——— ——— Part II. 1871. 1*s.* 6*d.*

——— On Electrotorsion. 1874. 1 plate, 2*s.*

GOSSE (PHILIP HENRY). On the Structure, Functions, and Homologies of the Manducatory Organs in the Class Rotifera. 1856. 3 plates, 3*s.*

——— On the Dicœcious Character of the Rotifera. 1857. 1 double plate, 2*s.*

GOTCH (F.) The Electromotive Properties of the Electrical Organ of Torpedo marmorata. 1887. 1*s.* 6*d.*

——— ——— Further Observations. 1888. 2 plates, 1*s.* 6*d.*

GOTCH AND HORSLEY. On the Mammalian Nervous System, its Functions and their Localisation determined by an Electrical Method. 1891. 7 plates, 17*s.*

GRAHAM (THOMAS). Researches on the Arseniates, Phosphates, and Modifications of Phosphoric Acid. 1833. 2*s.*

——— Inquiries respecting the Constitution of Salts, of Oxalates, Nitrates, Phosphates, Sulphates, and Chlorides. 1837. 2*s.*

——— On the Motion of Gases. 1846. 3 plates, 3*s.*

——— ——— Part II. 1849. 2*s.*

——— On the Diffusion of Liquids. 1850. 2*s.*

——— Supplementary Observations on the Diffusion of Liquids. 1850. 2*s.*

——— Additional Observations on the Diffusion of Liquids. Third Memoir. 1851. 1*s.*

——— On Osmotic Force. 1854. 3*s.*

——— Liquid Diffusion applied to Analysis. 1861. 2*s.*

——— On Liquid Transpiration in relation to Chemical Composition. 1861. 1*s.* 6*d.*

——— On the Molecular Mobility of Gases. 1863. 2*s.*

——— On the Absorption and Dialytic Separation of Gases by Colloid Septa. 1866. 2*s.*

GRANVILLE (A. B.) An Essay on Egyptian Mummies; with Observations on the Art of Embalming among the Ancient Egyptians. 1825. 6 plates, 5*s.*

GRAVES (J. T.) An Attempt to Rectify the Inaccuracy of some Logarithmic Formulae. 1829. 2*s.*

GRAY (HENRY). On the Development of the Retina and Optic Nerve, and of the Membranous Labyrinth and Auditory Nerve. 1850. 2 plates, 1*s.* 6*d.*

——— On the Development of the Ductless Glands in the Chick. 1852. 2 plates, 1*s.* 6*d.*

GRAY (JOHN EDW.) Some Observations on the Economy of Molluscous Animals, and on the Structure of their Shells. 1833. 3*s.*

——— Remarks on the Difficulty of Distinguishing certain Genera of Testaceous Mollusca by their Shells alone, and on the Anomalies in regard to Habitation observed in certain Species. 1835. 1*s.* 6*d.*

——— On the Structure of Chitons. 1848. 1*s.*

GRAY (P. L.)—See W. E. WILSON.

GRAY (T.) On the Measurement of the Magnetic Properties of Iron. 1893. 12 plates, 4*s.* 6*d.*

GREEN (J. R.) On the Changes in the Proteids in the Seed which accompany Germination. 1887. 1*s*,

——— Researches on the Germination of the Pollen Grain and the Nutrition of the Pollen Tube. 1894. 1*s*.

GREENWOOD (M.) On the Constitution and Mode of Formation of "Food Vacuoles" in Infusoria, as illustrated by the history of the processes of Digestion in Carchesium polypinum. 1894. 1 plate, 2*s*.

GREGOR (W.) Experiments on a Mineral Substance, formerly supposed to be Zeolite; with some remarks on two species of Uran-glimmer. 1805. 1*s*. 6*d*.

GRIESS (P.) On a new Series of Bodies in which Nitrogen is substituted for Hydrogen. 1864. 2*s*. 6*d*.

GRIFFITHS (E. H.) On the Determination of some Boiling and Freezing Points by means of the Platinum Thermometer. 1891. 2 plates, 2*s*. 6*d*,

——— The Value of the Mechanical Equivalent of Heat, deduced from some Experiments performed with the view of establishing the relation between the Electrical and Mechanical Units. 1893. 3 plates, 6*s*.

GRIFFITHS (J.) Description of a rare Species of Worm Shells, discovered at an Island lying off the North-west Coast of the Island of Sumatra, in the East Indies. 1806. 1 plate, 1*s*. 6*d*.

GROOM (T. T.) On the early Development of Cirripedia. 1894. 15 plates, 12*s*.

GROVE (W. R.) On the Gas Voltaic Battery. Experiments made with a view of ascertaining the Rationale of its Action and its application to Eudiometry. 1843. 1 plate, 2*s*.

——— ——— Voltaic action of Phosphorus, Sulphur, and Hydrocarbons. 1845. 1 plate, 1*s*. 6*d*.

——— On certain Phenomena of Voltaic Ignition and the Decomposition of Water into Constituent Gases by Heat. 1847. 3 plates, 2*s*.

——— ——— Supplementary Paper on the same. 1847. 1*s*.

——— On the effect of Surrounding Media on Voltaic Ignition. 1849. 1*s*.

——— On the Electro-chemical Polarity of Gases. 1852. 1 plate, 1*s*. 6*d*.

GRUBB AND ROBINSON. Description of the Great Melbourne Telescope. 1869. 10 plates, 3*s*. 6*d*.

GÜNTHER (A.) Contributions to the Anatomy of Hatteria (Rhynchocephalus, Owen). 1867. 3 plates, 2*s*.

——— Description of Ceratodus, a genus of Ganoid Fishes, recently discovered in rivers of Queensland. 1871. 13 plates, 5*s*.

——— Description of the Living and Extinct Races of gigantic Land Tortoises. 1875. 13 plates, 6*s*.

GUTHRIE (F.) On the Thermal Resistance of Liquids. 1869. 1 plate, 2*s*.

GWYTHER (R. F.) On the Differential Covariants of Plane Curves, and the Operators employed in their Development. 1894. 2*s.*

HADDON (A. C.) See T. W. BRIDGE.

HAIG (R. W.) Account of Magnetic Observations made in the years 1858-61 inclusive, in British Columbia, Washington Territory, and Vancouver Island. 1864. 1 plate, 1*s.*

HALDANE (J. S.) See T. CARNELLEY.

HALL (MARSHALL). Theory of the Inverse Ratio which subsists between the Respiration and Irritability in the Animal Kingdom. 1832. 1 plate, 1*s.* 6*d.*

——— On Hybernation. 1832. 2*s.*

——— On the Reflex Function of the Medulla Oblongata and Medulla Spinalis. 1833. 2*s.*

HALL AND FOSTER. Experiments made with an Invariable Pendulum in London; at the Galapagos Islands in the Pacific Ocean, near the Equator; at San Blas de California on the N.W. Coast of Mexico; and at Rio de Janeiro in Brazil. With an Appendix, containing the Second Series of Experiments in London, on the Return. 1823. 5*s.*

HAMILTON (W. R.) On a General Method in Dynamics, by which the Study of the Motions of all Free Systems of Attracting or Repelling Points is Reduced to the Search and Differentiation of one Central Relation or characteristic Function. 1834. 3*s.*

——— Second Essay on a General Method in Dynamics. 1835. 2*s.* 6*d.*

HAMMOND (J.) See J. J. SYLVESTER.

HANCOCK (A.) On the Organization of the Brachiopoda. 1858. 15 plates, 7*s.* 6*d.*

HANCOCK AND EMBLETON. On the Anatomy of Doris. 1852. 8 plates, 5*s.*

HANNAY (J. B.) On the Microrheometer. 1879. 1 plate, 1*s.* 6*d.*

HARCOURT AND ESSON. On the Laws of Connexion between the Conditions of a Chemical Change and its Amount. 1866. 2 plates, 2*s.*

——— ——— Part II. 1867. 1 plate, 2*s.*

HARDY (W. B.) On some Histological Features and Physiological Properties of the Post-œsophageal Nerve Cord of the Crustacea. 1894. 4 plates, 4*s.* 6*d.*

——— See A. A. KANTHACK.

HARGREAVE (C. J.) On the Calculation of Attractions, and the Figure of the Earth. 1841. 2*s.*

——— On the Solution of Linear Differential Equations. 1848. 2*s.*

——— General Methods in Analysis for the Resolution of Linear Equations in Finite Differences and Linear Differential Equations. 1850. 2*s.*

HARLEY (G.) On the Influence of Physical and Chemical Agents upon Blood; with special Reference to the Mutual Action of the Blood and the Respiratory Gases. 1865. 2*s.*

HARLEY (R.) On the Method of Symmetric Products, and on Certain Circular Functions connected with that Method. 1861. 1*s.* 6*d.*

HARRIS (W. S.) On the Relative Powers of various Metallic Substances as Conductors of Electricity. 1827. 1 plate, 1*s.*

——— On the Transient Magnetic State of which various Substances are Susceptible. 1831. 2 plates, 2*s.*

——— On the Influence of Screens in Arresting the Progress of Magnetic Action. 1831. 1 plate, 1*s.*

——— On the Power of Masses of Iron to Control the Attractive Force of a Magnet. 1831. 1 plate, 1*s.*

——— On some Elementary Laws of Electricity. 1834. 3 plates, 2*s.*

——— Inquiries concerning the Elementary Laws of Electricity. Second Series. 1836. 2 plates, 2*s.*

——— ——— Third Series. 1839. 2 plates, 2*s.*

——— On the Specific Inductive Capacities of Certain Electrical Substances. 1842. 1 plate, 1*s.* 6*d.*

HARTLEY (W. N.) Researches on Spectrum Photography in Relation to New Methods of Quantitative Chemical Analysis. Part I. 1884. 1 plate, 1*s.* 6*d.*

——— ——— Part II. 1885. 2 plates, 2*s.*

——— The Absorption Spectra of the Alkaloids. 1886. 4 plates, 3*s.*

——— Flame Spectra at High Temperatures. Part I. Oxy-hydrogen Blow-pipe Spectra. 1894. 2 plates, 5*s.*

——— ——— Part II. The Spectrum of Metallic Manganese, etc. Part III. The Spectroscopic Phenomena of the Bessemer Process. 1895. 1 plate, 2*s.*

HARTLEY AND ADENEY. Measurements of the Wave-lengths of Lines of High Refrangibility in the Spectra of Elementary Substances. 1884. 3 plates, 3*s.* 6*d.*

HARTLEY AND HUNTINGTON. Researches on the Action of Organic Substances on the Ultra-violet Rays of the Spectrum. 1879. 14 plates, 5*s.*

HARVEY (G.) Of the Effects of the Density of Air on the Rates of Chronometers. 1824. 2*s.*

HASSALL (A. H.) On the Frequent Occurrence of Indigo in Human Urine, and on its Chemical, Physiological, and Pathological Relations. 1854. 1*s.*

HATCHETT (C.) An Analysis of a Mineral Substance from North America, containing a Metal hitherto unknown. 1801. 1*s.* 6*d.*

HATCHETT (C.) Experiments and Observations on the various Alloys, on the Specific Gravity, and on the comparative Wear of Gold. Being the Substance of a Report made to the Right Honourable the Lords of the Committee of Privy Council, appointed to take into Consideration the State of the Coins of this Kingdom, and the present Establishment and Constitution of His Majesty's Mint. 1803. 1 plate, 5*s.*

——— Analytical Experiments and Observations on Lac. 1804. 2*s.*

——— Observations on the Change of some of the Proximate Principles of Vegetables into Bitumen; with Analytical Experiments on a Peculiar Substance which is found with the Bovey Coal. 1804. 2*s.*

——— On an Artificial Substance which possesses the Principal Characteristic Properties of Tannin. 1805. 1*s.*

——— Additional Experiments and Remarks on an Artificial Substance which possesses the Principal Characteristic Properties of Tannin. 1805. 1*s.* 6*d.*

——— A third Series of Experiments on an Artificial Substance which possesses the Principal Characteristic Properties of Tannin; with some Remarks on Coal. 1806. 2*s.*

HAUGHTON (S.) On the Physical Structure of the Old Red Sandstone of the County of Waterford, considered with Relation to Cleavage, Joint Surfaces, and Faults. 1858. 1*s.* 6*d.*

——— On the Reflexion of Polarised Light from Polished Surfaces, Transparent and Metallic. 1863. 1 plate, 2*s.* 6*d.*

——— On the Tides of the Arctic Seas. Part I. On the Diurnal Tides of Port Leopold, North Somerset. Part II. The Semi-Diurnal Tides. 1863. 3 plates, 2*s.* 6*d.*

——— ——— Part III. On the Semi-Diurnal Tides of Frederiksdal, near Cape Farewell, in Greenland. 1866. 1*s.* 6*d.*

——— ——— Parts IV., V., and VI. Northumberland Cove, Refuge Cove, Port Kennedy. 1876. 2*s.* 6*d.*

——— ——— Part VII. Tides of Port Kennedy, in Bellot Strait. 1878. 1 plate, 1*s.* 6*d.*

——— On the Joint-Systems of Ireland and Cornwall, and their Mechanical Origin. 1864. 2*s.*

HEAPE (W.) The Menstruation of Semnopithecus entellus. 1894. 7 plates, 8*s.*

HEARN (G. W.) Investigation of an Extensive Class of Partial Differential Equations of the Second Order, in which the Equation of Laplace's Functions is included. 1846. 1*s.*

——— On the Cause of the Discrepancies observed by Mr. Baily with the Cavendish Apparatus for Determining the Mean Density of the Earth. 1847. 1*s.* 6*d.*

HEATH (R. S.) On the Dynamics of a Rigid Body in Elliptic Space. 1885. 1*s.* 6*d.*

HEATHCOTE (F. G.) The Post-embryonic Development of Julus terrestris. 1888. 4 plates, 2*s*.

——— See F. G. SINCLAIR.

HEAVISIDE (O.) On the Forces, Stresses, and Fluxes of Energy in the Electro-magnetic Field. 1892. 4*s*. 6*d*.

HEBERDEN (W.) An Account of the Heat of July, 1825; together with some Remarks upon Sensible Cold. 1826. 1*s*.

HEER (O.) On the Fossil Flora of Bovey Tracey. 1862. 17 plates, 6*s*.

——— Contributions to the Fossil Flora of North Greenland, being a Description of the Plants Collected by Mr. Edward Whymper during the Summer of 1867. 1869. 18 plates, 9*s*.

HELLINS (J.) Of the Rectification of the Conic Sections. 1802. 2*s*.

——— On the Rectification of the Hyperbola by Means of Two Ellipses; proving that Method to be circuitous, and such as requires much more Calculation than is requisite by an appropriate Theorem: in which Process a new Theorem for the Rectification of that Curve is discovered. 1811. 2*s*. 6*d*.

HENDERSON (THOMAS). On the Difference of Meridians of the Royal Observatories of Greenwich and Paris. 1827. 1*s*.

——— Observations on the Comet of Encke, made in June 1832. 1833. 1*s*.

HENFREY (ARTHUR). On the Anatomy of the Stem of Victoria regia. 1852. 2 plates, 1*s*. 6*d*.

——— On the Anatomy of Victoria regia. Part II. 1859. 5 plates, 2*s*.

HENNELL (H.) On the Mutual Action of Sulphuric Acid and Alcohol. 1826. 1*s*.

——— On the Mutual Action of Sulphuric Acid and Alcohol, and on the Nature of the Process by which Ether is Formed. 1828. 1*s*.

HENNESSEY (J. B. N.) On the Atmospheric Lines of the Solar Spectrum. 1875. 1 plate, 1*s*. 6*d*.

HENNESSY (H.) The Figure and Primitive Formation of the Earth, or Researches in Terrestrial Physics. Part I. 1851. 1*s*. 6*d*.

——— ——— Part II. 1852. 2*s*.

HENRY (T. H.) On the Compounds of Tin and Iodine. 1845. 1*s*.

HENRY (W.) Experiments on the Quantity of Gases absorbed by Water, at different Temperatures and under different Pressures. 1803. 1 plate, 1*s*. 6*d*.

——— Experiments on Ammonia, and an Account of a New Method of Analysing it, by Combustion with Oxygen and other Gases. 1809. 1*s*. 6*d*.

——— An Analysis of several Varieties of British and Foreign Salt (Muriate of Soda), with a View to Explain their Fitness for different Economical Purposes. 1810. 2*s*. 6*d*.

HENRY (W.) Additional Experiments on the Muriatic and Oxymuriatic Acids. 1812. 1*s.*

HERSCHEL (Sir J. F. W.) On a Remarkable Application of Cotes's Theorem. 1813. 1 plate, 1*s.* 6*d.*

——— On certain Motions produced in Fluid Conductors when Transmitting the Electric Current. 1824. 2*s.* 6*d.*

——— Account of a Series of Observations made in the Summer of the year 1825, for the purpose of Determining the Difference of Meridians of the Royal Observatories of Greenwich and Paris. 1826. 2*s.* 6*d.*

——— Correction of an Error in a Paper published in the Philosophical Transactions, entitled "On the Parallax of the Fixed Stars." 1827. 1*s.*

——— Observations of Nebulae and Clusters of Stars, made at Slough, with a Twenty-feet Reflector, between the years 1825 and 1833. 1833. 8 plates, 8*s.*

——— On the Chemical Action of the Rays of the Solar Spectrum on Preparations of Silver and other Substances, both Metallic and Non-metallic, and on some Photographic Processes. 1840. 2 plates, 3*s.*

——— On the Action of the Rays of the Solar Spectrum on Vegetable Colours, and on some New Photographic Processes. 1842. 1 plate, 2*s.* 6*d.*

——— On certain Improvements on Photographic Processes described in a former communication, and on the Parathermic Rays of the Solar Spectrum. 1843. 1*s.*

——— Ἀμόρφωτα, No. I. On a case of Superficial Colour presented by a Homogeneous Fluid Internally Colourless. 1845. 1*s.*

——— ——— No. II. On the Epipŏlic Dispersion of Light. 1845. 1*s.*

——— On the Algebraic Expression of the Number of Partitions of which a given number is susceptible. 1850. 1*s.* 6*d.*

——— On the Formulae Investigated by Dr. Brinkley for the General Term in the Development of Lagrange's Expression for the Summation of Series and for Successive Integrations. 1860. 1*s.*

——— Catalogue of Nebulae and Clusters of Stars. 1864. 6*s.*

——— See Lord Wrottesley.

HERSCHEL (J. F. W.) and SOUTH. Observations of the Apparent Distances and Positions of 380 Double and Triple Stars made in the years 1821, 1822, and 1823, and compared with those of other Astronomers; together with an Account of such Changes as appear to have taken place in them since their first Discovery. 1824. 4 plates, 12*s.* 6*d.*

HERSCHEL (William). Observations tending to Investigate the Nature of the Sun, in order to find the Causes or Symptoms of its Variable Emission of Light and Heat; with Remarks on the Use that may possibly be drawn from Solar Observations. 1801. 2 plates, 3*s.*

HERSCHEL (WILLIAM). Additional Observations tending to Investigate the Symptoms of the Variable Emission of the Light and Heat of the Sun; with Trials to set aside Darkening Glasses, by Transmitting the Solar Rays through Liquids; and a few Remarks to Remove Objections that might be made against some of the Arguments contained in the former Paper. 1801. 1 plate, 1*s.* 6*d.*

——— Catalogue of 500 new Nebulae, Nebulous Stars, Planetary Nebulae, and Clusters of Stars; with Remarks on the Construction of the Heavens. 1802. 2 plates, 3*s.* 6*d.*

——— Observations on the two lately Discovered Celestial Bodies. 1802. 1 plate, 2*s.*

——— Account of the Changes that have happened, during the last Twenty-five years, in the relative Situation of Double-stars; with an Investigation of the Cause to which they are owing. 1803. 1 plate, 3*s.*

——— Observations of the Transit of Mercury over the Disk of the Sun; to which is added an Investigation of the Causes which often prevent the proper Action of Mirrors. 1803. 1 plate, 1*s.* 6*d.*

——— Continuation of an Account of the Changes that have happened in the Relative Situation of Double Stars. 1804. 1 plate, 2*s.*

——— Experiments for Ascertaining how far Telescopes will enable us to Determine very small Angles, and to Distinguish the Real from the Spurious Diameters of Celestial and Terrestrial Objects: with an Application of the Result of these Experiments to a Series of Observations on the Nature and Magnitude of Mr. Harding's lately Discovered Star. 1805. 1 plate, 2*s.*

——— Observations on the Singular Figure of the Planet Saturn. 1805. 1 plate, 1*s.*

——— On the Direction and Velocity of the Motion of the Sun and Solar System. 1805. 1 plate, 2*s.*

——— Observations and Remarks on the Figure, the Climate, and the Atmosphere of Saturn and its Ring. 1806. 1 plate, 1*s.* 6*d.*

——— On the Quantity and Velocity of the Solar Motion. 1806. 6 plates, 3*s.* 6*d.*

——— Observations on the Nature of the new Celestial Body Discovered by Dr. Olbers. 1807. 1 plate, 1*s.*

——— Observations of a Comet, made with a view to Investigate its Magnitude and the Nature of its Illumination. To which is added an Account of a new Irregularity perceived in the apparent Figure of the Planet Saturn. 1808. 1 plate, 2*s.* 6*d.*

——— Continuation of Experiments for Investigating the Cause of Coloured Concentric Rings, and other Appearances of a similar Nature. 1809. 3 plates, 2*s.* 6*d.*

——— Supplement to the First and Second Part of the Paper of Experiments, for Investigating the Cause of Coloured Concentric Rings between Object Glasses. 1810. 2 plates, 1*s.* 6*d.*

HERSCHEL (WILLIAM). Astronomical Observations relating to the Construction of the Heavens, arranged for the Purpose of a Critical Examination, the Result of which appears to throw some New Light upon the Organization of the Celestial Bodies. 1811. 2 plates, 3*s.* 6*d.*

——— Observations of a Comet, with Remarks on the Construction of its different Parts. 1812. 2*s.*

——— Observations of a Second Comet, with Remarks on its Construction. 1812. 1*s.*

HICKS (W. M.) On the Motion of two Spheres in a Fluid. 1880. 1*s.* 6*d.*

——— On Toroidal Functions, 1882. 2*s.*

——— On the Steady Motion and Small Vibrations of a Hollow Vortex. 1884. 1*s.* 6*d.*

——— Researches on the Theory of Vortex Rings. Part II. 1886. 2*s.*

HICKSON (S. J.) On the Ciliated Groove (Siphonoglyphe) in the Stomodaeum of the Alcyonarians. 1884. 2 plates, 2*s.*

——— On the Sexual Cells and the Early Stages in the Development of Millepora plicata. 1888. 2 plates, 1*s.* 6*d.*

HIGGINBOTTOM (JOHN). On the Influence of Physical Agents on the Development of the Tadpole of the Triton and the Frog. 1850. 1 plate, 1*s.*

HILL (ALEX.) The Cerebrum of Ornithorhynchus paradoxus. 1893. 3 plates, 3*s.*

——— The Hippocampus. 1893. 3 plates, 3*s.* 6*d.*

HILL (M. J. M.) On the Motion of Fluid, part of which is Moving Rotationally and part Irrotationally. 1885. 2*s.*

——— On the Locus of Singular Points and Lines which Occur in Connexion with the Theory of the Locus of ultimate Intersections of a System of Surfaces. 1892. 5*s.* 6*d.*

——— On a Spherical Vortex. 1894. 1*s.* 6*d.*

HILL (S. A.) Some Anomalies in the Winds of Northern India, and their Relation to the Distribution of Barometric Pressure. 1887. 3 plates, 1*s.* 6*d.*

HINDE (G. J.) On Beds of Sponge Remains in the Lower and Upper Greensand of the South of England. 1886. 6 plates, 4*s.*

HIRST (T. A.) On the Volumes of Pedal Surfaces. 1863. 1*s.* 6*d.*

HITCHINS (M.) Account of the Discovery of Silver in Herland Copper Mine. 1801. 1 plate, 1*s.* 6*d.*

HITTORF (J. W.) See J. PLÜCKER.

HODGKINSON (E.) Experimental Researches on the Strength of Pillars of Cast Iron, and other Materials. 1840. 3 plates, 3*s.*

——— Experimental Researches on the Strength of Pillars of Cast Iron, from various parts of the Kingdom. 1857. 3 plates, 2*s.* 6*d.*

HOFMANN (A. W.) Researches regarding the Molecular Constitution of the Volatile Organic Bases. 1850. 2*s.*

HOFMANN (A. W.) Researches into the Molecular Constitution of the Organic Bases. Second Memoir. 1851. 2*s.*

——— Contributions to the History of the Phosphorus Bases. First Memoir. 1860. 2*s.*

——— ——— Second Memoir. Diatomic Bases. 1860. 2*s.*

——— ——— Third Memoir. Phosphammonium, etc. 1860. 2*s.*

——— See G. B. BUCKTON.

HOFMANN AND CAHOURS. Researches on a New Class of Alcohols. 1857. 1*s.* 6*d.*

——— Researches on the Phosphorus Bases. 1857. 2*s.*

HOLLAND (H.) On the Manufacture of the Sulphate of Magnesia at Monte della Guardia, near Genoa. 1816. 1*s.*

HOME (SIR E.) Observations on the Structure and Mode of Growth of the Grinding Teeth of the Wild Boar, and Animal incognitum. 1801. 4 plates, 2*s.*

——— On the Irritability of Nerves. 1801. 1 plate, 1*s.* 6*d.*

——— Description of the Anatomy of the Ornithorhynchus Hystrix. 1802. 4 plates, 2*s.*

——— A Description of the Anatomy of the Ornithorhynchus paradoxus. 1802. 3 plates, 2*s.*

——— On the Power of the Eye to Adjust itself to Different Distances, when deprived of the Crystalline Lens. 1802. 1*s.*

——— Observations on the Structure of the Tongue; illustrated by Cases in which a Portion of that Organ has been Removed by Ligature. 1803. 1*s.*

——— An Account of a small Lobe of the Human Prostate Gland, which has not before been taken notice of by Anatomists. 1806. 1 plate, 1*s.*

——— Observations on the Camel's Stomach respecting the Water it contains, and the Reservoirs in which that Fluid is inclosed; with an Account of some Peculiarities in the Urine. 1806. 5 plates, 3*s.*

——— Observations on the Shell of the Sea Worm found on the Coast of Sumatra, proving it to belong to a species of Teredo. 1806. 2 plates, 2*s.*

——— An Account of two Children born with Cataracts in their Eyes, to show that their Sight was Obscured in very different Degrees. 1807. 1*s.*

——— Observations on the Structure of the different Cavities which constitute the Stomach of the Whale, compared with those of Ruminating Animals, with a View to Ascertain the Situation of the Digestive Organ. 1807. 2 plates, 1*s.* 6*d.*

——— Observations on the Structure of the Stomachs of Different Animals, with a View to Elucidate the Process of Converting Animal and Vegetable Substances into Chyle. 1807. 9 plates, 4*s.* 6*d.*

——— An Account of some Peculiarities in the Anatomical Structure of the Wombat. 1808. 1 plate, 1*s.* 6*d.*

HOME (Sir E.) An Anatomical Account of the Squalus maximus (of Linnaeus), which in the Structure of its Stomach forms an intermediate Link in the Gradation of Animals between the Whale Tribe and Cartilaginous Fishes. 1809. 4 plates, 2*s*. 6*d*.

——— Additions to an Account of the Anatomy of the Squalus maximus, with Observations on the Structure of the Branchial Artery. 1813. 7 plates, 3*s*.

——— Hints on the Subject of Animal Secretions. 1809. 1*s*.

——— On the Nature of the Intervertebral Substance in Fish and Quadrupeds. 1809. 1 plate, 1*s*. 6*d*.

——— The Case of a Man who Died in consequence of the Bite of a Rattlesnake, with an Account of the Effects produced by the Poison. 1810. 1*s*. 6*d*.

——— On the Gizzards of Grazing Birds. 1810. 2 plates, 1*s*. 6*d*.

——— On the Mode of Breeding of the Ovivivíparous Shark, and on the Aeration of the Foetal Blood in Different Classes of Animals. 1810. 5 plates, 2*s*. 6*d*.

——— Experiments to Prove that Fluids pass directly from the Stomach to the Circulation of the Blood, etc. 1811. 1*s*.

——— An Account of some Peculiarities in the Structure of the Organ of Hearing in the Balaena mysticetus of Linnaeus. 1812. 2 plates, 1*s*. 6*d*.

——— Observations intended to show that the Progressive Motion of Snakes is partly Performed by Means of the Ribs. 1812. 3 plates, 1*s*. 6*d*.

——— On the Different Structures and Situations of the Solvent Glands in the Digestive Organs of Birds. 1812. 7 plates, 3*s*.

——— A Description of the Solvent Glands and Gizzards of the Ardea argala, the Casuarius Emu, and the Long-legged Casowary from New South Wales. 1813. 3 plates, 2*s*.

——— On the Formation of Fat in the Intestines of Living Animals. 1813. 1*s*.

——— On the Tusks of the Narwhale. 1813. 1 plate, 1*s*.

——— Experiments and Observations to Prove that the Beneficial Effects of many Medicines are Produced through the Medium of the Circulating Blood, more particularly that of the Colchicum autumnale upon the Gout. 1816. 1*s*.

——— On the Formation of Fat in the Intestine of the Tadpole, and on the Use of the Yelk in the Formation of the Embryo in the Egg. 1816. 1*s*.

——— Some farther Account of the Fossil Remains of an Animal of which a Description was given to the Society in 1814.—Farther Observations on the Feet of Animals whose Progressive Motion can be carried on against Gravity. 1816. 5 plates, 3*s*. 6*d*.

HOME (SIR E.) An Account of the Organs of Generation of the Mexican Proteus, called by the Natives Axolotl. 1824. 3 plates, 2*s.*

——— On the Internal Structure of the Human Brain, when Examined in the Microscope, as Compared with that of Fishes, Insects, and Worms. 1824. 2 plates, 1*s.* 6*d.*

——— Some Curious Facts respecting the Walrus and Seal, discovered by the Examination of Specimens brought to England by the different Ships lately returned from the Polar Circle. 1824. 5 plates, 3*s.*

——— On the Existence of Nerves in the Placenta. 1825. 3 plates, 2*s.*

——— On the Influence of Nerves and Ganglia in Producing Animal Heat. 1825. 1 plate, 1*s.* 6*d.*

——— On Microscopical Observations on the Materials of the Brain and Ova, and the Analogy between them. 1825. 1 plate, 1*s.*

——— On the Changes in the Ovum of the Frog during the Formation of the Tadpole. 1825. 3 plates, 2*s.*

——— On the Coagulation by Heat of the Fluid Blood in an Aneurismal Tumour. 1826. 4 plates, 2*s.*

——— On the Structure of a Muscular Fibre from which are Derived its Elongation and Contraction. 1826. 1 plate, 1*s.*

——— On the Effects Produced upon the Air-cells of the Lungs when the Pulmonary Circulation is too much Encreased. 1827. 1 plate, 1*s.*

——— On the Propagation of the Common Oyster, and the Large Fresh-water Muscle. 1827. 4 plates, 2*s.* 6*d.*

——— An Examination into the Structure of the Cells of the Human Lungs, with a view to ascertain the Office they perform in Respiration. 1827. 2 plates, 1*s.* 6*d.*

——— Report on the Stomach of the Zariffa. 1830. 1 plate, 1*s.*

——— Magnetical Observations made in the West Indies, on the North Coast of Brazil and North America, in the years 1834, 1835, 1836, and 1837. Reduced by the Rev. George Fisher. 1838. 1*s.*

HOOKER (J. D.) On the Functions and Structure of the Rostellum of Listera ovata. 1854. 1 plate, 1*s.*

HOOKER AND BINNEY. On the Structure of certain Limestone Nodules enclosed in Seams of Bituminous Coal, with a Description of some Trigonocarpons contained in them. 1856. 1*s.*

HOPKINS (W.) Researches in Physical Geology. First Series. 1839. 2*s.*

——— ——— Second Series, 1840. 1*s.* 6*d.*

——— ——— Third Series. Thickness and Constitution of the Earth's Crust. 1842. 1*s.* 6*d.*

——— Experimental Researches on the Conductive Powers of various Substances, with the application of the Results to the Problem of Terrestrial Temperature. 1857. 2*s.*

HOPKINS (W.) On the Construction of a New Calorimeter for determinating the Radiating Powers of Surfaces in Air; and its Application to the Surfaces of various Mineral Substances. 1860. 1*s.* 6*d.*

——— On the Theory of the Motion of Glaciers. 1862. 3*s.*

HOPKINSON (J.) The Residual Charge of the Leyden Jar. 1876. 1 plate, 1*s.* 6*d.*

——— Electrostatic Capacity of Glass. 1878. 1 plate, 1*s.*

——— ——— Part II. 1881. 1*s.*

——— Residual Charge of the Leyden Jar. Dielectric Properties of different Glasses. 1878. 1*s.* 6*d.*

——— Magnetisation of Iron. 1885. 7 plates, 4*s.*

——— Magnetic and other Physical Properties of Iron at a High Temperature. 1889. 9 plates, 3*s.*

HOPKINSON (J. AND E.) Dynamo-Electric Machinery. 1886. 5 plates, 2*s.* 6*d.*

HOPKINSON AND WILSON. Propagation of Magnetization of Iron as affected by the Electric Currents in the Iron. 1895. 2*s.*

HORNER (L.) On an Artificial Substance resembling Shell; with an Account of an Examination of the same by Sir David Brewster. 1836. 1*s.*

——— An Account of some Recent Researches near Cairo, undertaken with the View of throwing Light upon the Geological History of the Alluvial Land of Egypt. 1855–8. 2 parts. 7 plates, 6*s.*

HORSBURG (J.) Abstract of Observations on a Diurnal Variation of the Barometer between the Tropics. — FLINDERS (M.) Concerning the Differences in the Magnetic Needle, on Board the *Investigator*, arising from an Alteration in the Direction of the Ship's Head. 1805. 2*s.*

——— Remarks on Several Icebergs met with in unusually Low Southern Latitudes. 1830. 1*s.*

HORSLEY (V.) See C. E. BEEVOR.

——— See F. GOTCH.

——— See F. SEMON.

——— See W. SPENCER.

HORSLEY AND SCHÄFER. A Record of Experiments upon the functions of the Cerebral Cortex. 1888. 7 plates, 2*s.* 6*d.*

HOSKINS (S. ELLIOTT). Researches on the Decomposition and Disintegration of Phosphatic Vesical Calculi, and on the Introduction of Chemical Decomponents into the Living Bladder. 1843. 1*s.*

HOWARD (E.) Experiments and Observations on certain Stony and Metalline Substances, which at Different Times are said to have fallen on the Earth; also on Various Kinds of Native Iron. 1802. 3*s.*

HOWARD (LUKE). On a Cycle of Eighteen Years in the Mean Annual Height of the Barometer, in the Climate of London, and on a Constant Variation of the Barometrical Mean according to the Moon's Declination. 1841. 1*s.*

——— On the Barometrical Variation as affected by the Moon's Declination. 1846. 1*s.*

HOWELL AND DONALDSON. Experiments upon the Heart of the Dog, with Reference to the Maximum Volume of Blood sent out by the Left Ventricle in a Single Beat. 1884. 1 plate, 1*s.* 6*d.*

HUDSON (JAMES). Hourly Observations on the Barometer, with Experimental Investigations into the Phenomena of its Periodial Oscillation. 1834. 4 plates, 2*s.*

HUGGINS (W.) On the Spectra of some of the Chemical Elements. 1864. 2 plates. 2*s.*

——— On the Spectra of some of the Nebulae. 1864. 1*s.*

——— Further Observations on some of the Nebulae, with a Mode of Determining the Brightness of these Bodies. 1866. 2*s.*

——— Further Observations on the Spectra of some of the Stars and Nebulae, with an Attempt to determine therefrom whether these Bodies are moving towards or from the Earth, also Observations on the Spectra of the Sun and of Comet II., 1868. 1868. 1 plate, 2*s.* 6*d.*

——— On the Photographic Spectra of Stars. 1880. 1 plate, 1*s.* 6*d.*

HUGGINS AND MILLER. On the Spectra of some of the Fixed Stars. 1864. 2 plates, 2*s.*

HULKE (J. W.) On the Chameleon's Retina; a further Contribution to the Minute Anatomy of the Retina of Reptiles. 1866. 1 plate, 1*s.*

——— On the Anatomy of the Fovea Centralis of the Human Retina. 1867. 1 plate, 1*s.*

——— Polacanthus Foxii; a large undescribed Dinosaur from the Wealden Formation in the Isle of Wight. 1882. 7 plates, 4*s.*

——— An Attempt at a complete Osteology of Hypsilophodon Foxii; a British Wealden Dinosaur. 1883. 12 plates, 5*s.*

——— Supplemental Note on Polacanthus Foxii, describing the Dorsal Shield and some parts of the Endoskeleton, imperfectly known in 1881. 1887. 2 plates, 1*s.*

HULME (N.) A Continuation of the Experiments and Observations on the Light which is spontaneously emitted from Various Bodies; with some Experiments and Observations on Solar Light, when imbibed by Canton's Phosphorus. 1801. 1*s.* 6*d.*

HUMPHREYS (COL. D.) On a New Variety in the Breeds of Sheep. — HOME (Sir EVERARD). Experiments to ascertain the Coagulating Power of the Secretion of the Gastric Glands. 1813. 1*s.* 6*d.*

HUMPIDGE (T. S.) On the Atomic Weight o Glucinum Beryllium. 1883. 1 plate, 1*s.* 6*d.*

HUNT (R.) On the Influence of Iodine in rendering several Argentine Compounds, spread on Paper, sensitive to Light, and on a New Method of Producing, with Greater Distinctness, the Photographic Image. 1840. 1*s.* 6*d.*

HUNTINGTON (A. K.) See W. N. HARTLEY.

HUXLEY (T. H.) On the Anatomy and Affinities of the Medusae. 1849. 3 plates, 2*s.*

——— Observations on the Anatomy and Physiology of Salpa and Pyrosoma. Remarks upon Appendicularia and Doliolum, two genera of the Tunicata. 1851. 5 plates, 3*s.*

——— On the Morphology of the Cephalous Mollusca, as illustrated by the Anatomy of certain Heteropoda and Pteropoda collected during the Voyage of Her Majesty's Ship *Rattlesnake* in 1846–50. 1853. 4 plates, 5*s.*

——— On the Osteology of the Genus Glyptodon. 1865. 6 plates, 3*s.*

IVORY (J.) On the Attractions of Homogeneous Ellipsoids. 1809. 1*s.* 6*d.*

——— On the Attractions of an Extensive Class of Spheroids. 1812. 2*s.*

——— On the Grounds of the Method which Laplace has given in the Second Chapter of the Third Book of his Mécanique Céleste for computing the Attractions of Spheroids of every Description. 1812. 2*s.* 6*d.*

——— A New Method of Deducing a First Approximation to the Orbit of a Comet from three Geocentric Observations. 1814. 1 plate, 2*s.* 6*d.*

——— On the Astronomical Refractions. 1823. 5*s.*

——— On the Figure Requisite to maintain the Equilibrium of a Homogeneous Fluid Mass that revolves upon an Axis. 1824. 1 plate, 5*s.*

——— On the Equilibrium of Fluids, and the Figure of a Homogeneous Planet in a Fluid state. 1831. 2*s.* 6*d.*

——— On the Theory of Elliptic Transcendents. 1831. 2*s.*

——— On the Theory of the Perturbations of the Planets. 1832. 2*s.*

——— On the Development of the Disturbing Function, upon which depend the Inequalities of the Motions of the Planets, caused by their mutual attraction. 1833. 2*s.* 6*d.*

——— On the Equilibrium of a Mass of Homogeneous Fluid at liberty. 1834. 2*s.*

——— Of such Ellipsoids consisting of Homogeneous Matter as are capable of having the resultant of the attraction of the mass upon a particle in the Surface, and a Centrifugal Force caused by revolving about one of the Axes, made perpendicular to the Surface. 1838. 1*s.* 6*d.*

——— On the Theory of the Astronomical Refractions. 1838. 3*s.* 6*d.*

——— Note relating to the Correcting of an Error in a Paper printed in the Philosophical Transactions for 1838, p. 57, etc. 1839. 6*d.*

IVORY (J.) On the Conditions of Equilibrium of an Incompressible Fluid, the Particles of which are acted upon by Accelerating Forces. 1839. 1*s.* 6*d.*

JAMES (Lieut.-Colonel Sir H.) On the Deflection of the Plumb-line at Arthur's Seat, and the Mean Specific Gravity of the Earth. 1856. 1 plate, 2*s.*

——— On the Figure, Dimensions, and Mean Specific Gravity of the Earth, as derived from the Ordnance Trigonometrical Survey of Great Britain and Ireland. 1856. 1 plate, 2*s.*

——— See A. R. Clarke.

JENKIN (F.) Experimental Researches on the Transmission of Electric Signals through Submarine Cables.—Part I. Laws of Transmission through various lengths of one Cable. 1862. 3 plates, 2*s.*

JENKIN and EWING. On Friction between Surfaces moving at Low Speeds. 1878. 1 plate, 1*s.* 6*d.*

JENKIN (H. M.)—See P. M. Duncan.

JENNER (E.) Some Observations on the Migrations of Birds. 1824. 2*s.* 6*d.*

JEVONS (W. S.) On the Mechanical Performance of Logical Inference. 1870. 3 plates, 2*s.* 6*d.*

JOHNSON (Edward J.) Report of Magnetic Experiments tried on board an Iron Steam-vessel, by order of the Right Honourable the Lords Commissioners of the Admiralty; accompanied by plans of the vessel, and tables showing the horizontal deflection of the Magnetic Needle at different positions on board, together with the dip and magnetic intensity observed at those positions, and compared with observations made on shore with the same instruments. 1836. 1 plate, 2*s.*

JOHNSON (J. R.) Further Observations on Planariae. 1825. 1 plate, 2*s.*

JOHNSTON (J. F. W.) On the Constitution of the Resins. 1839. 1*s.* 6*d.*

——— ——— Part II. 1839. 1*s.* 6*d.*

——— ——— Part III. 1839. 1*s.* 6*d.*

——— ——— Part IV. 1840. 1*s.* 6*d.*

——— ——— Part V. 1840. 1*s.* 6*d.*

——— On a new Equiatomic Compound of Bicyanide with Binoxide of Mercury. 1839. 1*s.*

JOLY (J.) On the Specific Heats of Gases at Constant Volume.—Part I. Air, Carbon Dioxide, and Hydrogen. 1891, 1 plate, 3*s.*

——— ——— Part II. Carbon Dioxide. 1894. 1*s.*

——— ——— Part III. The Specific Heat of Carbon Dioxide as a function of Temperature. 1894. 1*s.*

JONES (C. Handfield). On the Secretory Apparatus of the Liver. 1846. 1 plate, 1*s.* 6*d.*

JONES (C. HANDFIELD). On the Structure and Development of the Liver. 1849. 3 plates, 2*s*.

——— Further Inquiries as to the Structure, Development, and Function of the Liver. 1853. 1 plate, 2*s*.

JONES (HENRY BENCE). Contributions to the Chemistry of the Urine. On the Variations in the Alkaline and Earthy Phosphates in the Healthy State, and on the Alkalescence of the Urine from Fixed Alkalies. 1845. 1 plate, 2*s*.

——— ——— Part II. On the Variations of the Alkaline and Earthy Phosphates in Disease. 1846. 1*s*. 6*d*.

——— On a new Substance occurring in the Urine of a Patient with Mollities Ossium. 1848. 1*s*.

——— Contributions to the Chemistry of the Urine.—Paper III. Part I. On the Variations of the Acidity of the Urine in the state of Health.—Part II. On the simultaneous Variations of the amount of Uric Acid, and the Acidity of the Urine in the state of Health.—Part III. On the Variations of the Sulphates in the state of Health, and on the influence of Sulphuric Acid, Sulphur, and Sulphates, on the amount of Sulphates in the Urine. 1849. 2*s*.

——— ——— Paper III. Part IV. On the Variations of the Sulphates and Phosphates in Disease. 1850. 1*s*.

——— Appendix to a Paper on the Variations of the Acidity of the Urine in the state of Health. 1849. 10 plates, 3*s*.

——— Second Appendix to a Paper on the Variations of the Acidity of the Urine in the state of Health. 1850. 3 plates, 1*s*. 6*d*.

——— Contributions to the Chemistry of the Urine.—Paper IV. On the so-called Chylous Urine. 1850. 1*s*.

——— Contributions to Animal Chemistry.—Paper V. On the Oxidation of Ammonia in the Human Body, with some Remarks on Nitrification. 1851. 1*s*.

——— On the Dissolution of Urinary Calculi in dilute Saline Fluids, at the Temperature of the Body, by the aid of Electricity. 1853. 1 plate, 2*s*.

JONES (J. V.) On the Determination of the Specific Resistance of Mercury in Absolute Measure. 1891. 3 plates, 3*s*. 6*d*.

JONES (T.) Description of an improved Hygrometer. 1826. 1 plate, 1*s*.

JONES (THOMAS WHARTON). On the First Changes in the Ova of Mammifera in consequence of Impregnation, and on the Mode of Origin of the Chorion. 1837. 1 plate, 1*s*. 6*d*.

——— The Blood-corpuscle considered in its different phases of Development in the Animal Series. Memoir I.—Vertebrata. 1846. 1 plate, 2*s*.

——— ——— Memoir II.—Invertebrata. 1846. 1 plate, 2*s*.

——— ——— Memoir III.—Comparison between the Blood-corpuscle of the Vertebrata and that of the Invertebrata. 1846. 1*s*.

JONES (THOMAS WHARTON). Microscopical Examination of the Contents of the Hepatic Ducts. 1848. 1*s.*

——— Discovery that the Veins of the Bat's Wing (which are furnished with Valves) are endowed with Rhythmical Contractility, and that the onward flow of Blood is accelerated by each Contraction. 1852. 2 plates, 1*s.* 6*d.*

——— The Caudal Heart of the Eel a Lymphatic Heart. 1868. 1 plate, 1*s.* 6*d.*

JOULE (J. P.) On the Mechanical Equivalent of Heat. 1850. 1 plate, 1*s.*

——— On the Air Engine. 1852. 1 plate, 1*s.* 6*d.*

——— Introductory Research on the Induction of Magnetism by Electrical Currents. 1856. 1*s.*

——— On some Thermo-dynamic Properties of Solids. 1859. 2*s.*

——— On the Thermal Effects of Compressing Fluids. 1859. 9*d.*

——— On the Surface-condensation of Steam. 1861. 1*s.* 6*d.*

——— New Determination of the Mechanical Equivalent of Heat. 1879. 1 plate, 1*s.* 6*d.*

JOULE AND THOMSON. On the Thermal Effects of Fluids in Motion. Part II. 1854. 2*s.* 6*d.*

——— Parts I. and III. see THOMSON AND JOULE.

——— ——— Part IV. 1862. 1 plate, 1*s.* 6*d.*

KANE (R.) Contributions to the Chemical History of Archil and of Litmus. 1840. 2*s.*

——— Contributions to the Chemical History of Palladium and Platinum. 1842. 2*s.* 6*d.*

KANTHACK AND HARDY. On the Characters and Behaviour of the Wandering (Migrating) Cells of the Frog, especially in Relation to Micro-Organisms. 1894. 1 plate, 3*s.* 6*d.*

KATER (H.) On the Light of the Cassegrainian Telescope compared with that of the Gregorian. 1813. 1*s.*

——— Further Experiments on the Light of the Cassegrainian Telescope compared with that of the Gregorian.—HERSCHEL (W.) Astronomical Observations relating to the Sidereal Part of the Heavens. 1814. 1 plate, 2*s.*

——— An Account of Experiments for determining the Variation in the Length of the Pendulum Vibrating Seconds, at the Principal Stations of the Trigonometrical Survey of Great Britain. 1819. 6*s.*

——— The Description of a Floating Collimator. 1825. 1 plate, 2*s.*

——— An Account of the Construction and Adjustment of the new Standards of Weights and Measures of the United Kingdom. 1826. 2*s.* 6*d.*

——— An Account of Trigonometrical Operations in the years 1821, 1822, and 1823 for determining the Difference of Longitude between the Royal Observatories of Paris and Greenwich. 1828. 3 plates, 3*s.* 6*d.*

KATER (H.) A Description of a Vertical Floating Collimator, and an Account of its Application to Astronomical Observations with a Circle and with a Zenith Telescope. 1828. 2 plates, 2*s.*

——— On the Error in Standards of Linear Measure, arising from the Thickness of the Bar in which they are traced. 1830. 1*s.* 6*d.*

——— An Account of the Construction and Verification of a Copy of the Imperial Standard Yard made for the Royal Society. 1831. 1*s.*

KATER (H. AND E.) Description of an Escapement for an Astronomical Clock, invented by the late Captain Henry Kater, drawn up from his own Memorandums by his son, Edward Kater. 1840. 2 plates, 1*s.* 6*d.*

KEELY (G. W.) Determinations of the Magnetic Inclination and Force in the British Provinces of Nova Scotia and New Brunswick in the Summer of 1847. 1848. 1*s.*

KEMPE (A. B.) A Memoir on the Theory of Mathematical Form. 1886. 2*s.*

KIDD (J.) On the Anatomy of the Mole Cricket. 1825. 1 plate, 3*s.*

KIERNAN (FRANCIS). The Anatomy and Physiology of the Liver. 1833. 4 plates, 3*s.*

KILGOUR (H.) See W. E. AYRTON.

KIRKMAN (REV. T. P.) On the Enumeration of x-edra having Triedral Summits, and an $(x-1)$-gonal Base. 1856. 1*s.* 6*d.*

——— On the Representation of Polyedra. 1856. 1*s.*

——— On Autopolar Polyedra. 1857. 3 plates, 3*s.*

——— On the K-partitions of the R-gon and the R-ace. 1857. 3*s.*

——— On the Partitions of the R-Pyramid, being the First Class of R-gonous X-edra. 1858. 1*s.* 6*d.*

——— On the Theory of the Polyedra. 1862. 2*s.*

KLAASSEN (H. G.) See J. A. EWING.

KLEIN (E.) Research on the Smallpox of Sheep. 1875. 4 plates, 3*s.*

KNIGHT (THOMAS). On the Expansion of any Functions of Multinomials. 1811. 2*s.*

——— Of the Attraction of such Solids as are terminated by Planes; and of Solids of greatest Attraction. 1812. 2 plates, 3*s.*

——— A new Demonstration of the Binomial Theorem. 1816. 1*s.*

KNIGHT (T. A.) Account of some Experiments on the Ascent of the Sap in Trees. 1801. 3 plates, 2*s.* 6*d.*

——— Account of some Experiments on the Descent of the Sap in Trees. 1803. 1 plate, 2*s.*

——— Experiments and Observations on the Motion of the Sap in Trees. 1804.

——— Concerning the State in which the true Sap of Trees is Deposited during Winter. 1805. 1*s.* 6*d.*

KNIGHT (T. A.) On the Reproduction of Buds. 1805. 1*s.*

——— On the Direction of the Radicle and Germen during the Vegetation of Seeds. 1806. 1*s.*

——— On the Inverted Action of the Alburnous Vessels of Trees. 1806. 1*s.*

——— On the Economy of Bees 1807. 1*s.*

——— On the Origin and Office of the Alburnum of Trees. 1808. 1*s.* 6*d.*

——— On the Origin and Formation of Roots. 1809. 1*s.*

——— On the Parts of Trees primarily Impaired by Age. 1810. 1*s.*

——— On the Causes which influence the Direction of the Growth of Roots. 1811. 1*s.* 6*d.*

——— On the Motions of the Tendrils of Plants. 1812. 1*s.*

——— On some Circumstances relating to the Economy of Bees. 1828. 1*s.*

——— On the Hereditary Instinctive Propensities of Animals. 1837. 1*s.*

KNOX (G.) On Bitumen in Stones. 1823. 1*s.* 6*d.*

KONIG (C.) On a Fossil Human Skeleton from Guadaloupe. 1814. Plate, 1*s.* 6*d.*

KOPP (H.) On the Relation between Boiling Point and Composition in Organic Compounds. 1860. 1*s.* 6*d.*

——— Investigations of the Specific Heat of Solid Bodies. 1865. 1 plate, 5*s.*

KOWALEVSKY (W.) On the Osteology of the Hyopotamidae. 1873. 6 plates, 3*s.* 6*d.*

LACHLAN (R.) On Systems of Circles and Spheres. 1887. 3*s.*

LAMB (H.) On Electrical Motions in a Spherical Conductor. 1883. 1*s.* 6*d.*

——— On Ellipsoidal Current-Sheets. 1887. 1*s.*

LANE (T.) On the Magnetic Attraction of Oxides of Iron. 1805. 6*d.*

LANG (V.) Experiments on the Friction between Water and Air. 1876. 1 plate, 1*s.* 6*d.*

LANGLEY (J. N.) On the Histology and Physiology of the Pepsin-forming Glands. 1882. 2 plates, 2*s.* 6*d.*

——— On the Origin from the Spinal Cord of the Cervical and Upper Thoracic Sympathetic Fibres, with some Observations on White and Grey Rami Communicantes. 1892. 2 plates, 2*s.*

LANGLEY AND FLETCHER. On the Secretion of Saliva, chiefly on the Secretion of Salts in it. 1889. 1*s.* 6*d.*

LANKESTER (E. R.) Contributions to the Developmental History of the Mollusca. 1875. 12 plates, 8*s.*

LARMOR (J.) A Dynamical Theory of the Electric and Luminiferous Medium. 1894. 4*s.*

LASSELL (W.) On Polishing the Specula of Reflecting Telescopes. 1875. 3 plates, 1*s.* 6*d.*

LAWES AND GILBERT. Experimental Inquiry into the Composition of some of the Animals Fed and Slaughtered as Human Food. 1859. 6*s.*

——— ——— Supplement. Composition of the Ash of the Entire Animals, and of certain Separated Parts. 1884. 2*s.* 6*d.*

——— On the Present Position of the Question of the Sources of the Nitrogen of Vegetation, with some New Results, and Preliminary Notice of New Lines of Investigation. 1889. 6*s.*

LAWES, GILBERT, AND MASTERS. Agricultural, Botanical, and Chemical Results of Experiments on the Mixed Herbage of Permanent Meadow, conducted for more than Twenty Years in Succession on the same Land.—Part II. The Botanical Results. 1882. 12*s.*

LAWES, GILBERT, AND PUGH. On the Sources of the Nitrogen of Vegetation; with Special Reference to the Question whether Plants assimilate Free or Uncombined Nitrogen. 1861. 4 plates, 6*s.*

LAX (W.) On a Method of Examining the Divisions of Astronomical Instruments. 1809. 1*s.*

LAZARUS-BARLOW (W. S.) The Pathology of the Oedema which accompanies Passive Congestion. 1894. 1*s.* 6*d.*

LEE (ROBERT). Observations on the Functions of the Intestinal Canal and Liver of the Human Foetus. 1829. 1*s.*

——— On the Structure of the Human Placenta, and its Connexion with the Uterus. 1832. 2 plates, 1*s.* 6*d.*

——— On the Nervous Ganglia of the Uterus. 1841. 2 plates, 1*s.* 6*d.*

——— An Appendix to a paper on the Nervous Ganglia of the Uterus, with a further Account of the Nervous Structures of that Organ. 1842. 1 plate, 1*s.* 6*d.*

——— Supplement to a paper "On the Nervous Ganglia of the Uterus." 1846. 9*d.*

——— On the Nerves and Ganglia of the Heart. 1849. 5 plates, 2*s.*

LEES (C. H.) On the Thermal Conductivities of Crystals and other Bad Conductors. 1892. 1*s.* 6*d.*

LETHEBY (H. B.) Account of two Cases in which Ovules, or their Remains, were discovered in the Fallopian Tubes of unimpregnated Females. 1852. 1 plate, 1*s.* 6*d.*

LEWIS (W. B.) Researches on the Comparative Structure of the Cortex Cerebri. 1880. 2 plates, 2*s.* 6*d.*

——— On the Comparative Structure of the Brain in Rodents. 1882. 2 plates, 2*s.*

LISTER (J. J.) On some Properties in Achromatic Object-glasses applicable to the Improvement of the Microscope. 1830. 1*s.* 6*d.*

LISTER (J. J.) Some Observations on the Structure and Functions of Tubular and Cellular Polypi, and of Ascidiæ. 1834. 5 plates, 2*s.* 6*d.*

——— An Inquiry regarding the Parts of the Nervous System which regulate the Contractions of the Arteries. 1858. 1*s.* 6*d.*

——— On the Cutaneous Pigmentary System of the Frog. 1858. 2 plates, 1*s.* 6*d.*

——— On the Early Stages of Inflammation. 1858. 2*s.*

LIVEING AND DEWAR. On the Ultra-violet Spectra of the Elements. Part I. (and II.) Iron (with a map). 1883. 5 plates, 3*s.*

——— ——— Part III. Cobalt and Nickel. 1888. 6 plates, 2*s.*

——— On the Spectrum of the Oxy-hydrogen Flame. 1888. 4 plates, 2*s.*

LLOYD (J. A.) Account of Levellings carried across the Isthmus of Panama, to ascertain the Relative Height of the Pacific Ocean at Panama, and of the Atlantic at the mouth of the River Chagres; accompanied by Geographical and Topographical Notices of the Isthmus. 1830. 4 plates, 2*s.* 6*d.*

——— An Account of Operations carried on for ascertaining the Difference of Level between the River Thames at London Bridge and the Sea. 1831. 4 plates, 3*s.*

LOCKWOOD (C. B) The Early Development of the Pericardium, Diaphragm and Great Veins. 1888. 9 plates, 2*s.* 6*d.*

LOCKYER (J. NORMAN). Spectroscopic Observations of the Sun. No. II. 1869. 2 plates, 1*s.* 6*d.*

——— Researches in Spectrum Analysis in connexion with the Spectrum of the Sun. No. I. 1873. 3 plates, 2*s.*

——— ——— No. II. 1873. 2 plates, 2*s.*

——— ——— No. III. 1874. 3 plates, 2*s.*

——— ——— No. IV. 1874. 2 plates, 1*s.* 6*d.*

——— ——— No. V. 1882. 1 plate, 1*s.* 6*d.*

——— On the Causes which Produce the Phenomena of New Stars. 1891. 4*s.*

——— On the Photographic Spectra of some of the Brighter Stars. 1893. 5 plates, 5*s.* 6*d.*

——— On the Photographic Arc Spectrum of Electrolytic Iron. 1894. 2 plates, 3*s.* 6*d.*

——— Preliminary Report on the Results Obtained with the Prismatic Camera during the Total Eclipse of the Sun, April 16, 1893. 1894. 3 plates, 1*s.* 6*d.*

——— On the Photographic Arc Spectrum of Iron Meteorites. 1895. 1*s.*

——— On the Photographic Spectrum of the Great Nebula in Orion. 1895. 1*s.*

LOCKYER AND ROBERTS. On the Quantitative Analysis of certain Alloys by Means of the Spectroscope. 1874. 1 plate, 1*s.*

LOCKYER AND SCHUSTER. Report on the Total Solar Eclipse of April 6, 1875. 1878. 6 plates, 4*s.*

LOCKYER AND SEABROKE. Spectroscopic Observations of the Sun. 1876. 6 plates, 3*s.* 6*d.*

LODGE (O. J.) Aberration Problems. A Discussion concerning the Motion of the Ether near the Earth, and concerning the connexion between Ether and Gross Matter; with some New Experiments. 1893. 2 plates, 5*s.*

LOEWY (B.) See W. DE LA RUE.

LOVE (A. E. H.) The Small Free Vibrations and Deformation of a Thin Elastic Shell. 1888. 1*s.* 6*d.*

LOWNE (B. T.) On the Modifications of the Simple and Compound Eyes of Insects. 1879. 3 plates, 2*s.* 6*d.*

LUBBOCK (SIR JOHN). An Account of the Two Methods of Reproduction in Daphnia, and of the Structure of the Ephippium. 1857. 2 plates, 2*s.*

——— On the Ova and Pseudova of Insects. 1859. 3 plates, 2*s.*

——— Notes on the Generative Organs, and on the Formation of the Egg in the Annulosa. 1861. 2 plates, 2*s.*

LUBBOCK (SIR J. W.) On the Pendulum. 1830. 1*s.*

——— Researches in Physical Astronomy. 1830. 2*s.*

——— ——— 1831. 3 parts, 6*s.*

——— On the Meteorological Observations made at the Apartments of the Royal Society during the years 1827, 1828, and 1829. 1831. 1*s.*

——— On the Tides in the Port of London. 1831. 2 maps, 2*s.* 6*d.*

——— Researches in Physical Astronomy. 1832. 4 parts, 6*s.*

——— On the Tides. 1832. 1*s.*

——— Note on the Tides in the Port of London. 1832. 1*s.*

——— Note on the Tides. 1833. 1 plate, 1*s.*

——— On the Theory of the Moon. 1834. 2 parts, 2*s.*

——— On the Tides. 1834. 2*s.*

——— Discussion of Tide Observations made at Liverpool. 1835. 2*s.*

——— On the Determination of the Terms in the Disturbing Function of the Fourth Order, as regards the Eccentricities and Inclinations which give rise to Secular Inequalities. 1835. 2*s.*

——— Discussion of Tide Observations made at Liverpool. 1836. 1*s.* 6*d.*

——— On the Tides at the Port of London. 1836. 5 plates, 3*s.*

——— On the Tides. 1837. 5 plates, 2*s.* 6*d.*

——— Note on an Inequality in the Height of the Barometer, of which the argument is the Declination of the Moon. 1841. 9*d.*

LUNT (J.) See SIR H. E. ROSCOE.

LYELL (SIR CHARLES). On the Proofs of a Gradual Rising of the Land in certain parts of Sweden. 1835. 2 plates, 2*s.* 6*d.*

——— On the Structure of Lavas which have consolidated on Steep Slopes; with Remarks on the Mode of Origin of Mount Etna, and on the Theory of "Craters of Elevation." 1858. 3 plates, 3*s.*

MACAIRE (PROFESSOR). On the Direction assumed by Plants. 1848. 2*s.*

MACALISTER (A.) The Myology of the Cheiroptera. 1872. 4 plates, 3*s.*

——— See A. CARTE.

MACARTNEY (J.) An Account of an Appendix to the Small Intestines of Birds. 1811. 1 plate, 1*s.*

McAULAY (A.) On the Mathematical Theory of Electromagnetism. 1893. 4*s.*

McCONNEL (J. C.) An Experimental Investigation into the Form of the Wave Surface of Quartz. 1886. 1*s.*

MACDONALD (J. D.) On the Anatomy of Nautilus Umbilicatus, compared with that of Nautilus Pompilius. 1855. 2 plates, 2*s.*

——— Remarks on the Anatomy of Macgillivrayia Pelagica and Cheletropis Huxleyi (Forbes); suggesting the Establishment of a New Order of Gasteropoda. 1855. 2 parts, 1 plate, 1*s.* 6*d.*

MACKAY (J. Y.) The Development of the Branchial Arterial Arches in Birds, with special reference to the Origin of the Subclavians and Carotids. 1888. 4 plates, 2*s.*

M'KICHAN (D.) Determination of the Number of Electrostatic Units in the Electromagnetic Unit made in the Physical Laboratory of Glasgow University. 1873. 1 plate, 1*s.* 6*d.*

MACLEAR (T.) An Account of the Fall of a Meteoric Stone in the Cold Bokkeveld, Cape of Good Hope. 1839. 1*s.*

——— Further Particulars of the Fall of the Cold Bokkeveld Meteorolite. 1840. 1 plate, 1*s.*

M'LEOD AND CLARKE. On the Determination of the Rate of Vibration of Tuning-forks. 1880. 3 plates, 2*s.* 6*d.*

MACMAHON (P. A.) Memoir on Symmetric Functions of the Roots of Systems of Equations. 1890. 1*s.* 6*d.*

——— Memoir on the Theory of the Compositions of Numbers. 1893. 3*s.*

——— A certain Class of Generating Functions in the Theory of Numbers. 1894. 2*s.*

MACMUNN (C. A.) Further Observations on Enterochlorophyll and Allied Pigments. 1886. 2 plates, 2*s.*

——— Observations on the Chromatology of Actiniae. 1886. 2 plates, 2*s.*

MACMUNN (C. A.) Researches on Myohaematin and the Histohaematins. 1886. 2 plates, 2*s.*

——— See J. T. CUNNINGHAM.

MALET (J. C.) On a Class of Invariants. 1883. 1*s.* 6*d.*

MALLET (J. W.) Revision of the Atomic Weight of Aluminum. 1881. 1*s.* 6*d.*

——— Revision of the Atomic Weight of Gold. 1889. 1*s.* 6*d.*

MALLET (ROBERT). Account of Experiments made at Holyhead (North Wales) to ascertain the Transit-velocity of Waves, analogous to Earthquake Waves, through the Local Rock Formations. 1861. 4 plates, 2*s.* 6*d.*

——— Appendix to the Account of Earthquake-wave Experiments made at Holyhead. 1862. 1*s.*

——— Volcanic Energy: an Attempt to Develop its true Origin and Cosmical Relations. 1873. 2 plates, 3*s.* 6*d.*

——— Addition to the Paper on Volcanic Energy: an Attempt to Develop its True Origin and Cosmical Relations. 1875. 1*s.*

MANNING (T.) New Method of Computing Logarithms. 1806. 1*s.* 6*d.*

MANTELL (G. A.) Notice on the Iguanodon, a Newly Discovered Fossil Reptile, from the Sandstone of Tilgate Forest, in Sussex. 1825. 1 plate, 1*s.* 6*d.*

——— Memoir on a Portion of the Lower Jaw of the Iguanodon, and on the Remains of the Hylaeosaurus and other Saurians, discovered in the Strata of Tilgate Forest, in Sussex. 1841. 6 plates, 3*s.*

——— On the Fossil Remains of Turtles, Discovered in the Chalk Formation of the South-east of England. 1841. 2 plates, 1*s.* 6*d.*

——— On the Fossil Remains of the Soft Parts of Foraminifera, discovered in the Chalk and Flint of the South-east of England. 1846. 1 plate, 2*s.*

——— Observations on some Belemnites and other Fossil Remains of Cephalopoda, discovered by Mr. R. N. Mantell in the Oxford Clay near Trowbridge, in Wiltshire. 1848. 3 plates, 2*s.*

——— On the Structure of the Jaws and Teeth of the Iguanodon. 1848. 4 plates, 2*s.* 6*d.*

——— Additional Observations on the Osteology of the Iguanodon and Hylaeosaurus. 1849. 7 plates, 3*s.*

——— On a Dorsal Dermal Spine of the Hylaeosaurus, recently discovered in the Strata of Tilgate Forest. 1850. 1 plate, 1*s.*

——— On the Pelorosaurus; an undescribed gigantic terrestrial reptile whose remains are associated with those of the Iguanodon and other Saurians in the Strata of Tilgate Forest, in Sussex. 1850. 6 plates, 2*s.* 6*d.*

——— Supplementary Observations on the Structure of the Belemnite and Belemnoteuthis. 1850. 3 plates, 1*s.* 6*d.*

MARCET (A.) An Analysis of the Waters of the Dead Sea and the River Jordan. 1807. 1*s.* 6*d.*

MARCET (W.) An Account of the Organic Chemical Constituents or Immediate Principles of the Excrements of Man and Animals in the Healthy State. 1854. 1*s.* 6*d.*

——— On the Immediate Principles of Human Excrements in the Healthy State. 1857. 1 plate, 1*s.* 6*d.*

——— A Chemical Inquiry into the Phenomena of Human Respiration. 1890. 2 plates, 2*s.* 6*d.*

MARSHALL (JOHN). On the Development of the Great Anterior Veins in Man and Mammalia; including an Account of certain Remains of Foetal Structure found in the Adult, a Comparative View of these Great Veins in the Different Mammalia, and a Analysis of their Occasional Peculiarities in the Human Subject. 1850. 6 plates, 3*s.*

——— On the Brain of a Bushwoman; and on the Brains of two Idiots of European Descent. 1874. 7 plates, 3*s.*

MARTIN (E.) Description of the Mineral Bason in the Counties of Monmouth, Glamorgan, Brecon, Carmarthen and Pembroke. 1806. 2 plates, 1*s.* 6*d.*

MARTIN (H. N.) The Direct Influence of Gradual Variations of Temperature upon the Rate of Beat of the Dog's Heart. 1883. 2 plates, 2*s.* 6*d.*

MASKELYNE (N. S.) On the Mineral Constituents of Meteorites. 1870. 2 plates, 4*s.*

——— ——— The Breitenbach Meteorite. 1871. 1*s.*

MASSEE (G.) On Gasterolichenes; a New Type of the Group Lichenes, 1887. 1 plate, 1*s.* 6*d.*

MATTEUCCI (CARLO). Electro-Physiological Researches. First Memoir. The Muscular Current. 1845. 1 plate, 1*s.* 6*d.*

——— ——— Second Memoir. On the Proper Current of the Frog. 1845. 1 plate, 1*s.* 6*d.*

——— ——— Third Memoir. On Induced Contractions. 1845. 1*s.* 6*d.*

——— ——— Fourth Memoir. The Physiological Action of the Electric Current. 1846. 2*s.*

——— ——— Fifth Series. Upon Induced Contractions. 1847. 1*s.*

——— ——— Sixth Series. Laws of the Electric Discharge of the Torpedo and other Electric Fishes. Theory of the Production of Electricity in these Animals. 1847. 1*s.*

——— ——— Seventh Series. Upon the Relation between the Intensity of the Electric Current and that of the Corresponding Physiological Effect. 1847. 1*s.* 6*d.*

——— ——— Eighth Series. Phenomena of Muscular Contraction, etc. 1850. 1*s.*

MATTEUCCI (CARLO). Electro-Physiological Researches. Ninth Series. On Induced Contraction. 1850. 1 plate, 1*s.*

——— ——— Tenth Series. Physical and Chemical Phenomena of Muscular Contraction. 1857. 1*s.* 6*d.*

——— ——— Eleventh Series. On the Secondary Electromotor Power of Nerves, and its Application to the Explanation of certain Electro-Physiological Phenomena. 1861. 1*s.*

MATTHEY (E.) On the Liquation of Metals of the Platinum Group. 1892. 1*s.*

MATTHIESSEN (A.) On the Electric Conducting Power of the Metals. 1858. 1*s.*

——— On the Thermo-electric Series. 1858. 1*s.*

——— On the Electric Conducting Power of Alloys. 1860. 2 plates, 1*s.* 6*d.*

——— On the Specific Gravity of Alloys. 1860. 1*s.*

——— On the Expansion by Heat of Water and Mercury. 1866. 1 plate, 2*s.*

——— On the Expansion by Heat of Metals and Alloys. 1866. 1*s.*

——— Researches into the Chemical Constitution of Narcotine, and of its Products of Decomposition. Part III. 1869. 1*s.*

——— ——— For Parts I. and II. see MATTHIESSEN AND FOSTER.

——— ——— For Part IV. see MATTHIESSEN AND WRIGHT.

MATTHIESSEN AND FOSTER. Researches into the Chemical Constitution of Narcotine, and of its Products of Decomposition. Part I. 1863. 1*s.* 6*d.*

——— ——— Part II. 1867. 1*s.*

——— For Part III. see MATTHIESSEN.

——— For Part IV. see MATTHIESSEN AND WRIGHT.

MATTHIESSEN AND HOLZMANN. On the Effect of the Presence of Metals and Metalloids upon the Electric Conducting Power of Pure Copper. 1860. 1*s.*

MATTHIESSEN AND VOGT. On the Influence of Temperature on the Electric Conducting Power of Alloys. 1864. 2*s.*

——— On the Influence of Temperature on the Electric Conducting Power of Thallium and Iron. 1864. 2*s.*

MATTHIESSEN AND VON BOSE. On the Influence of Temperature on the Electric Conducting Power of Metals. 1862. 1*s.* 6*d.*

MATTHIESSEN AND WRIGHT. Researches into the Chemical Composition of Narcotine, and of its Products of Decomposition. Part IV. 1869. 1*s.*

——— For Parts I. and II. see MATTHIESSEN AND FOSTER.

——— For Part III. see MATTHIESSEN.

MAXWELL (J. C.) On the Theory of Compound Colours, and the Relations of the Colours of the Spectrum. 1860. 2 plates, 2*s.*

MAXWELL (J. C.) A Dynamical Theory of the Electromagnetic Field. 1865. 2*s.* 6*d.*

——— On the Viscosity or Internal Friction of Air and other Gases. 1866. 1 plate, 1*s.* 6*d.*

——— On the Dynamical Theory of Gases. 1867. 2*s.*

——— On a Method of making a Direct Comparison of Electrostatic with Electromagnetic Force; with a Note on the Electromagnetic Theory of Light. 1868. 1*s.* 6*d.*

——— On Stresses in Rarified Gases arising from Inequalities of Temperature. 1879. 1*s.* 6*d.*

MENDOZA RIOS (J. DE). On an Improved Reflecting Circle. 1801. 4 plates, 2*s.*

MERRIFIELD (C. W.) On the Comparison of Hyperbolic Arcs. 1859. 1*s.*

——— On a New Method of Approximation applicable to Elliptic and Ultra-elliptic Functions. 1860. 1*s.*

——— ——— Second Memoir. 1862. 1*s.* 6*d.*

——— On the Law of the Resistance of the Air to Rifled Projectiles. 1868. 1*s.*

METEOROLOGICAL JOURNAL kept at the Apartments of the Royal Society for the years 1800–6, 1808–13, 1823–42, each 1*s.*

MICHELL (J. H.) On the Theory of Free Stream Lines. 1890. 2*s.*

MILLER (J. F.) On the Meteorology of the Lake District of Cumberland and Westmoreland; including the results of Experiments on the Fall of Rain at various heights, up to 3166 feet above the sea level. 1849. 2 parts, 3*s.*

——— ——— 1850. 1*s.* 6*d.*

——— ——— Fourth Paper for the year 1850. 1851. 1*s.* 6*d.*

——— On the Relation of the Air and Evaporation Temperatures to the Temperature of the Dew-point, as determined by Mr. Glaisher's Hygrometrical Tables, founded on the Factors deduced from the Six-hourly Observations made at the Royal Observatory, Greenwich. 1851. 1*s.*

MILLER (W. A.) On the Photographic Transparency of various Bodies, and on the Photographic Effects of Metallic and other Spectra obtained by means of the Electric Spark. 1862. 2 plates, 2*s.*

——— See HUGGINS (W.)

MILLER (W. H.) On the Construction of the New Imperial Standard Pound, and its Copies of Platinum; and on the Comparison of the Imperial Standard Pound with the Kilogramme des Archives. 1856. 7*s.* 6*d.*

MILNE AND GRAY. On Seismic Experiments. 1883. 1 plate, 1*s.* 6*d.*

MIVART (ST. GEORGE). On the Appendicular Skeleton of the Primates. 1867. 4 plates, 4*s.*

MOLL (G.) On Captain Parry's and Lieut. Foster's Experiments on the Velocity of Sound. 1828. 1*s.*

MORNAY (A. F.) An Account of the Discovery of a Mass of Native Iron in Brasil. 1816. 1 plate, 2*s.*

MOSELEY (Rev. Henry). On the Geometrical Forms of Turbinated and Discoid Shells. 1838. 1 plate, 2*s.*

——— Researches in the Theory of Machines. 1841. 2*s.*

——— On the Dynamical Stability and on the Oscillations of Floating Bodies. 1850. 3 plates, 2*s.*

——— On the Rolling Motion of a Cylinder. 1851. 1*s.* 6*d.*

MOSELEY (H. N.) On the Anatomy and Histology of the Land-Planarians of Ceylon, with some account of their Habits, and a Description of two new Species, and with Notes on the Anatomy of some European Aquatic Species. 1874. 6 plates, 4*s.*

——— On the Structure and Development of Peripatus capensis. 4 plates, 2*s.* 6*d.*

——— On the Structure and Relations of certain Corals. 1876. 2 plates, 2*s.* 6*d.*

——— On the Structure of a species of Millepora occurring at Tahiti, Society Islands. 1877. 2 plates, 2*s.*

——— On the Structure of the Stylasteridae, a family of the Hydroid Stony Corals. 1879. 11 plates, 6*s.*

MOSSO (A.) Les Phénomènes Psychiques et la Temperature du Cerveau. 1892. 1*s.*

MOTT (F. W.) Results of Hemisection of the Spinal Cord in Monkeys. 1892. 4 plates, 5*s.*

MOULTON (J. F.) See W. Spottiswoode.

MUDGE (W.) An Account of the Measurement of an Arc of the Meridian, extending from Dunnose, in the Isle of Wight, Latitude 50° 37′ 8″, to Clifton, in Yorkshire, Latitude 53° 27′ 31″, in course of the Operations carried on for the Trigonometrical Survey of England, in the years 1800, 1801, and 1802. 1803. 8 plates, 5*s.*

MÜLLER (H. W.) See W. De la Rue.

MÜLLER (John). On the existence of four distinct Hearts, having regular pulsations, connected with the Lymphatic System, in certain Amphibious Animals. 1833. 1*s.*

MUMMERY (J. H.) Some Points in the Structure and Development of Dentine. 1892. 4 plates, 5*s.* 6*d.*

MURPHY (Rev. R.) Analysis of the Roots of Equations. 1837. 1*s.* 6*d.*

——— First Memoir on the Theory of Analytical Operations. 1837. 2*s.*

MUSHET (D.) Experiments on Wootz. 1805. 1*s.*

NELSON (H.) The Reproduction of the Ascaris mystax. 1852. 6 plates, 4*s.*

NEUMAYER (G.) On the Lunar-diurnal Variation of the Magnetic Declination, with special regard to the Moon's Declination. 1867. 1 plate, 1*s.* 6*d.*

NEWBOLD (T. J.) On the Ipoh or Upas Poison used by the Jacoons and other Aboriginal Tribes of the Malay Peninsula. 1837. 1*s.*

——— On the Temperature of the Springs, Wells, and Rivers of Egypt, and of the Sea and Table-lands within the tropics. 1845. 2*s.*

NEWPORT (GEORGE). On the Nervous System of the Sphinx ligustri, Linn., and on the Changes which it undergoes during a part of the Metamorphoses of the Insect. 1832. 2 plates, 2*s.*

———On the Nervous System of the Sphinx ligustri, Linn. (Part II.), during the latter Stages of its Pupa and its Imago State, and on the means by which its Development is effected. 1834. 5 plates, 3*s.* 6*d.*

——— On the Respiration of Insects. 1836. 2 plates. 2*s.* 6*d.*

——— On the Temperature of Insects, and its connection with the functions of Respiration and Circulation in this class of Invertebrated Animals. 1837. 3*s.* 6*d.*

——— On the Organs of Reproduction, and the Development of the Myriapoda. First Series. 1841. 2 plates, 3*s.*

——— On the Structure, Relations, and Development of the Nervous and Circulatory Systems, and on the existence of a complete Circulation of the Blood in Vessels, in Myriapoda and Macrourous Arachnida. First Series. 1843. 5 plates, 5*s.*

——— On the Reproduction of Lost Parts in Myriapoda and Insecta. 1844. 1 plate, 2*s.*

——— On the Impregnation of the Ovum in the Amphibia. First Series. 1851. 1 plate, 3*s.* 6*d.*

——— On the Impregnation of the Ovum in the Amphibia (Second Series, revised), and on the Direct Agency of the Spermatozoon. 1853. 3*s.*

——— Researches on the Impregnation of the Ovum in the Amphibia; and on the Early Stages of Development of the Embryo. (Third Series.) 1854. 1*s.* 6*d.*

NEWTON (A. AND E.) On the Osteology of the Solitaire or Didine Bird of the Island of Rodriguez, Pezophaps solitaria (Gmel.). 1869. 10 plates, 4*s.*

NEWTON (E. T.) On the Skull, Brain and Auditory Organ of a New Species of Pterosaurian (Scaphognathus purdoni) from the Upper Lias near Whitby, Yorkshire, 1888. 2 plates, 2*s.*

——— On some New Reptiles from the Elgin Sandstones. 1893. 16 plates, 7*s.*

——— Reptiles from the Elgin Sandstone. Description of Two New Genera (Erpetosuchus and Ornithosuchus). 1894. 4 plates, 4*s.*

NIVEN (C.) On the Conduction of Heat in Ellipsoids of Revolution. 1880. 2*s.*

NIVEN (C.) On the Induction of Electric Currents in Infinite Plates and Spherical Shells. 1881. 1*s.* 6*d.*

NIVEN (W. D.) On certain Definite Integrals occurring in Spherical Harmonic Analysis, and on the Expansion, in Series, of the Potentials of the Ellipsoid and the Ellipse. 1879. 2*s.*

——— On Ellipsoidal Harmonics. 1891. 2*s.*

NOAD (H. M.) On some of the Products of the Decomposition of Nitro-toluylic Acid. 1854. 1*s.*

NOBLE AND ABEL. Researches on Explosives.—Fired Gunpowder. 1875. 12 plates, 9*s.*

——— ——— No. II. Fired Gunpowder. 1880. 4*s.*

O'BRIEN (REV. M.) On Symbolic Forms derived from the Conception of the Translation of a directed Magnitude. 1852. 3*s.*

OSLER (E.) On Burrowing and Boring Marine Animals. 1826. 2 plates, 3*s.*

——— Observations on the Anatomy and Habits of Marine Testaceous Mollusca, illustrative of their mode of feeding. 1832. 1 plate, 2*s.*

OWEN (SIR RICHARD). On the Mammary Glands of the Ornitho-rhynchus paradoxus. 1832. 4 plates, 2*s.*

——— On the Ova of the Ornithorhynchus paradoxus. 1834. 1 plate, 1*s.* 6*d.*

——— On the generation of the Marsupial Animals, with a Description of the impregnated Uterus of the Kangaroo. 1834. 2 plates, 2*s.*

——— On the Structure of the Brain in Marsupial Animals. 1837. 3 plates, 1*s.* 6*d.*

——— A Description of certain Belemnites, preserved, with a great proportion of their Soft Parts, in the Oxford Clay, at Christian-Malford, Wilts. 1844. 7 plates, 3*s.*

——— On the Development and Homologies of the Carapace and Plastron of the Chelonian Reptiles. 1849. 1 plate, 1*s.* 6*d.*

——— On the Communications between the Cavity of the Tympanum and the Palate in the Crocodilia. 1850. 3 plates, 1*s.* 6*d.*

——— On the Development and Homologies of the Molar Teeth of the Wart-Hogs (Phacochoerus), with Illustrations of a System of Notation for the Teeth in the Class Mammalia. 1850. 2 plates, 1*s.* 6*d.*

——— On the Megatherium (Megatherium Americanum, Blumenbach). Part I. Preliminary Observations on the Exogenous Processses of Vertebrae. 1851. 10 plates, 4*s.*

——— ——— Part II. Vertebrae of the Trunk. 1855. 11 plates, 4*s.*

——— ——— Part III. The Skull. 1856. 6 plates, 3*s.*

——— ——— Part IV. Bones of the Anterior Extremities. 1858. 5 plates, 3*s.*

——— ——— Part V. Bones of the Posterior Extremities. 1859. 5 plates, 3*s.*

OWEN (SIR RICHARD). Description of some Species of the extinct Genus Nesodon, with Remarks on the Primary Group (Toxodontia) of Hoofed Quadrupeds, to which that Genus is referable. 1853. 4 plates, 2*s.*

——— Description of the Foetal Membranes and Placenta of the Elephant (Elephas Indicus, Cuv.), with Remarks on the Value of Placentary Characters in the Classification of the Mammalia. 1857. 1 plate, 1*s.* 6*d.*

——— On the Scelidothere (Scelidotherium leptocephalum, Owen). 1857. 2 plates, 1*s.* 6*d.*

——— Description of the Skull and Teeth of the Placodus laticeps, Owen, with indications of other new Species of Placodus, and Evidence of the Saurian Nature of that Genus. 1858. 3 plates, 1*s.* 6*d.*

——— Description of some Remains of a Gigantic Land Lizard (Megalania prisca, Owen) from Australia. 1859. 2 plates, 1*s.* 6*d.*

——— ——— Part II. 1881. 5 plates, 2*s.* 6*d.*

——— ——— Part III. 1881. 3 plates, 2*s.*

——— ——— Part IV. 1886. 3 plates, 2*s.*

——— On the Fossil Mammals of Australia. Part I. Description of a mutilated Skull of a large Marsupial Carnivore (Thylacoleo carnifex, Owen), from a Calcareous Conglomerate Stratum, eighty miles S.W. of Melbourne, Victoria. 1859. 5 plates, 2*s.*

——— ——— Part II. Description of an almost entire Skull of Thylacoleo Carnifex, Owen, from a freshwater deposit, Darling Downs, Queensland. 1866. 3 plates, 1*s.* 6*d.*

——— ——— Part III. Diprotodon Australis, Owen. 1870. 16 plates, 6*s.*

——— ——— Part IV. Dentition and Mandible of Thylacoleo carnifex, with Remarks on the Arguments for its Herbivority. 1871. 4 plates, 2*s.* 6*d.*

——— ——— Part V. Genus Nototherium. 1872. 10 plates, 4*s.*

——— ——— Part VI. Genus Phascolomys, Geofir. 1872. 7 plates, 3*s.*

——— ——— Part VII. Genus Phascolomys: Species exceeding the existing ones in Size. 1872. 9 plates, 3*s.* 6*d.*

——— ——— Part VIII. Family Macropodidae: Genera Macropus, Osphranter, Phascolagus, Sthenurus, and Protemnodon. 1874. 8 plates, 3*s.* 6*d.*

——— ——— Part IX. Family Macropodidae: Genera Macropus, Pachysiagon, Leptosiagon, Procoptodon, and Palorchestes. 1874. 8 plates, 3*s.*

——— ——— Part X. Family Macropodidae. Mandibular Dentition and parts of the Skeleton of Palorchestes, etc. 1876. 13 plates, 5*s.* 6*d.*

——— On the Vertebral Characters of the Order Pterosauria, as exemplified in the Genera Pterodactylus (Cuvier) and Dimorphodon (Owen). 1859. 1 plate, 1*s.* 6*d.*

OWEN (SIR RICHARD). I. On the Dicynodont Reptilia, with a Description of some Fossil Remains brought by Prince Alfred from South Africa, November 1860. II. On the Pelvis of the Dicynodon. III. Notice of a Skull and parts of the Skeleton of Rhynchosaurus Articeps. 1862. 7 plates, 2*s.* 6*d.*

——— On the Archeopteryx of Von Meyer, with a Description of the Fossil Remains of a Long-tailed Species from the Lithographic Stone of Solenhofen. 1863. 4 plates, 2*s.*

——— On the Marsupial Pouches, Mammary Glands, and Mammary Foetus of the Echidna Hystrix. 1865. 3 plates, 1*s.* 6*d.*

——— Description of the Cavern of Bruniquel, and its Organic Remains. Part I. Human Remains. Part II. Equine Remains. 1869. 4 plates, 2*s.* 6*d.*

——— On Fossil Remains of Equines from Central and South America referable to Equus conversidens, E. tau, and E. arcidens. 1869. 2 plates, 1*s.* 6*d.*

——— On Remains of a large extinct Lama (Palauchenia magna, Ow.), from Quaternary Deposits in the Valley of Mexico. 1870. 4 plates, 2*s.*

——— On the Molar Teeth, Lower Jaw, of Macrauchenia patachonica, Ow. 1870. 1 plate, 1*s.*

——— On the Ova of Echidna Hystrix. 1881. 1 plate, 1*s.*

——— Description of Portion of a Tusk of a Proboscidian Mammal (Notolephas Australis). 1883. 1 plate, 1*s.*

——— On the Affinities of Thylacoleo. 3 plates, 1*s.* 6*d.*

——— Additional Evidence of the Affinities of the extinct Marsupial Quadruped Thylacoleo Carnifex (Owen). 1887. 1 plate, 1*s.*

——— Pelvic Characters of Thylacoleo Carnifex. 1883. 1 plate, 1*s.*

——— Description of Teeth of a large extinct (Marsupial?) Genus, Seeparnodon, Ramsay. 1884. 1 plate, 1*s.*

——— Evidence of a large extinct Lizard (Notiosaurus Dentatus) from Pleistocene Deposits, New South Wales. 1884. 1 plate, 1*s.*

——— Evidence of a large extinct Monotreme (Echidna Ramsayi) from the Wellington Breccia Cave, New South Wales. 1884. 1 plate, 1*s.*

——— Description of Fossil Remains of two Species of a Megalanian Genus (Meiolania) from Lord Howe's Island. 1887. 4 plates, 1*s.* 6*d.*

——— On Parts of the Skeleton of Meiolania Platyceps (Owen). 1888. 7 plates, 2*s.*

OXMANTOWN (LORD). An Account of Experiments on the Reflecting Telescope. 1840. 2 plates, 2*s.*

——— An Account of the Observations on the Great Nebula in Orion, made at Birr Castle, with the 3-feet and 6-feet Telescopes, between 1848 and 1867. With a drawing of the Nebula. 1868. 3 plates, 3*s.* 6*d.*

PAGE (F. J. M.) See A. DUPRÉ.

PAGET (J.) Observations on the Freezing of the Albumen of Eggs. 1850. 1*s.*

PALGRAVE (F.). An Account of the Shooting Stars of 1095 and 1243. 1840. 6*d.*

PALMER (H. R.) Description of a Graphical Register of Tides and Winds. 1831. 3 plates, 1*s.* 6*d.*

——— Observations on the Motions of Shingle Beaches. 1834. 3 plates, 2*s.*

PARISH (WOODBINE). Notice of the Supposed Identity of the large mass of Meteoric Iron now in the British Museum with the celebrated Otumpa Iron described by Rubin de Celis in the Philosophical Transactions for 1786. 1834. 9*d.*

PARKER (T. J.) On the Blood-vessels of Mustelus antarcticus; a contribution to the Morphology of the Vascular System in the Vertebrata. 1887. 4 plates, 2*s.* 6*d.*

——— Observations on the Anatomy and Development of Apteryx. 1891. 17 plates, 17*s.* 6*d.*

——— Additional Observations on the Development of Apteryx. 1892. 2 plates, 2*s.* 6*d.*

PARKER (W. K.) On the Structure and Development of the Skull in the Ostrich Tribe. 1866. 9 plates, 3*s.* 6*d.*

——— On the Structure and Development of the Skull of the Common Fowl (Gallus domesticus). 1869. 7 plates, 3*s.* 6*d.*

——— On the Structure and Development of the Skull of the Common Frog (Rana temporaria, L.). 1871. 7 plates, 4*s.*

——— On the Structure and Development of the Skull in the Salmon (Salmo salar, L.) 1873. 8 plates, 3*s.* 6*d.*

——— On the Structure and Development of the Skull in the Pig (Sus scrofa). 1874. 10 plates, 5*s.*

——— On the Structure and Development of the Skull in the Batrachia. 1876. 9 coloured plates, 4*s.*

——— On the Structure and Development of the Skull in the Urodelous Amphibia. Part I. 1878. 9 plates, 5*s.* 6*d.*

——— On the Structure and Development of the Skull in the Common Snake (Tropidonotus natrix). 1879. 7 plates, 4*s.*

——— On the Structure and Development of the Skull in the Lacertilia. Part I. On the Skull of the Common Lizards (Lacerta agilis, L. viridis, and Zootoca vivipara). 1880. 9 plates, 6*s.*

——— On the Structure and Development of the Skull in the Batrachia. 1881. 44 plates, £1 5*s.*

——— On the Development of the Skull in Lepidosteus osseus. 1882. 9 plates, 5*s.* 6*d.*

——— On the Structure and Development of the Skull in Sturgeons (Acipenser ruthenus and A. sturio). 1882. 7 plates, 4*s.* 6*d.*

——— On the Skeleton of the Marsipobranch Fishes. Part 1. The Myxinoids (Myxine and Bdellostosma). Part II. Petromyzon. 1883. 10 plates, 6*s.* 6*d.*

PARKER (W. K.) On the Structure and Development of the Skull in the Mammalia. Part II. Edentata. Part III. Insectivora. 1886. 15 plates, £1 5*s*.

——— On the Structure and Development of the Wing in the Common Fowl. 1888. 4 plates, 1*s*. 6*d*.

PARKER AND JONES. On some Foraminifera from the North Atlantic and Arctic Oceans, including Davis Straits and Baffin's Bay. 1865. 8 plates, 10*s*.

PARKER (W. N.) See F. M. BALFOUR.

PARRY (C. H.) On a Case of Nervous Affection cured by the Pressure of the Carotids; with some Physiological Remarks. 1811. 1*s*.

PARRY AND FOSTER. Magnetical Observations at Port Bowen, &c., 1824–5, comprehending Observations on the Diurnal Variation and Diurnal Intensity of the Horizontal Needle. 1826. 2*s*.

PARKES (W.) On the Tides of Bombay and Kurrachee. 1868. 2 plates, 2*s*.

PATERSON (A. M.) Development of the Sympathetic Nervous System in Mammals. 1890. 9 plates, 6*s*. 6*d*.

PATON (D. N.) On Hepatic Glycogenesis. 1894. 2*s*.

PAVY (F. W.) Researches on Sugar Formation in the Liver. 1860. 1*s*. 6*d*.

——— On the Immunity enjoyed by the Stomach from being Digested by its own Secretion during Life. 1863. 1*s*.

PEARS (C.) The Case of a Full-grown Woman in whom the Ovaria were deficient.—STANDERT (H. C.) A Description of Malformation in the Heart of an Infant. 1805. 2 plates, 1*s*. 6*d*.

PEARSON (G.) On Expectorated Matter. 1809. 1*s*. 6*d*.

——— Observations and Experiments on Pus. 1810. 1*s*. 6*d*.

——— On the Colouring Matter of the Black Bronchial Glands and of the Black Spots of the Lungs. 1813. 1*s*. 3*d*.

PEARSON (K.) Contributions to the Mathematical Theory of Evolution. 1894. 5 plates, 3*s*. 6*d*.

PENGELLY (W.) The Lignites and Clays of Bovey Tracey, Devonshire. 1862. 3 plates, 2*s*.

——— See J. PRESTWICH.

PENNY (F). On the Application of the Conversion of Chlorates and Nitrates into Chlorides, and of Chlorides into Nitrates, to the Determination of several Equivalent Numbers. 1839. 1*s*. 6*d*.

PENROSE (F. C.) On the Results of an Examination of the Orientations of a number of Greek Temples, with a view to connect these Angles with the Amplitudes of certain Stars at the time the Temples were founded, &c. 1893. 1*s*. 6*d*.

PEPYS (W. H.) A new Eudiometer, accompanied with Experiments, elucidating its Application. 1807. 1 plate, 1*s.*

——— An Account of an Apparatus of a peculiar construction for performing Electro-magnetic Experiments. 1823. 1 plate, 1*s.*

——— On the Respiration of the Leaves of Plants. 1843. 1*s.*

——— See W. ALLEN.

PERKINS (J.) On the Progressive Compression of Water by high degrees of Force, with some trials of its Effects on other Fluids. 1826. 2 plates, 1*s.* 6*d.*

PERRY (J.) See W. E. AYRTON.

PERRY (S. J.) Magnetic Survey of the West of France, 1858. 1870. 3 plates, 2*s.*

——— Magnetic Observations made at Stonyhurst College Observatory, from April 1863 to March 1870. 1871. 1*s.*

——— Magnetic Survey of the East of France in 1869. 1872. 1*s.* 6*d.*

——— Magnetic Survey of Belgium in 1871. 1873. 3 plates, 1*s.* 6*d.*

——— Report of the Observations of the Total Solar Eclipse of August 29th, 1886, made at the Island of Carriacou. 1889. 1 plate, 1*s.*

PETTIGREW (J. B.) On the Arrangement of the Muscular Fibres in the Ventricles of the Vertebrate Heart, with Physiological Remarks. 1864. 5 plates, 3*s.* 6*d.*

——— On the Muscular Arrangements of the Bladder and Prostate, and the manner in which the Ureters and Urethra are closed. 1867. 3 plates, 2*s.* 6*d.*

PHILIP (A. P. W.) Observations on the Effects of Dividing the Nerves of the Lungs, and subjecting the latter to the influence of Voltaic Electricity. 1827. 1*s.*

——— Some Observations on the Functions of the Nervous System, and the relation which they bear to the other Vital Functions. 1829. 1*s.* 6*d.*

——— Some Observations relating to the Function of Digestion. 1829. 1*s.*

——— On the Sources and Nature of the Powers on which the Circulation of the Blood depends. 1831. 1*s.*

——— On the Relation which subsists between the Nervous and Muscular Systems in the more perfect Animals, and the Nature of the Influence by which it is maintained. 1833. 1*s.* 6*d.*

——— On the Nature of Sleep. 1833. 1*s.* 6*d.*

——— On the Nature of Death. 1834. 2*s.*

——— On the Powers on which the Functions of Life in the more perfect Animals depend, and on the Manner in which they are Associated in the Production of their more Complicated Results. 1836. 2*s.*

PHILLIPS (J.) Notices of some Parts of the Surface of the Moon. 1868. 2 plates, 2*s.*

PHILLIPS (R.) Researches on the Chemical Equivalents of certain Bodies. 1839. 9*d.*

PIGOTT (E.) An Investigation of all the Changes of the variable Star in Sobieski's Shield, from Five Years' Observations, exhibiting its proportional Illuminated Parts, and its Irregularities of Rotation; with Conjectures respecting Unenlightened Heavenly Bodies. 1805. 2 plates, 2*s.*

PLAYFAIR (J.) Account of a Lithological Survey of Schehallien, made in order to Determine the Specific Gravity of the Rocks which compose that Mountain. 1811. 1 plate, 2*s.* 6*d.*

PLAYFAIR (LYON). On the Nitroprussides, a New Class of Salts. 1849. 2*s.*

PLÜCKER (J.) On the Magnetic Induction of Crystals. 1858. 2*s.*

——— On a New Geometry of Space. 1865. 5*s.*

——— Fundamental Views regarding Mechanics. 1866. 1*s.* 6*d.*

PLÜCKER AND HITTORF. On the Spectra of Ignited Gases and Vapours, with especial Regard to the different Spectra of the same Elementary Gaseous Substance. 1865. 3 plates, 2*s.* 6*d.*

POLE (W.) On Colour-blindness. 1859. 1*s.* 6*d.*

POLLOCK (SIR F.) On certain Properties of Square Numbers and other Quadratic Forms, with a Table of Odd Numbers from 1–191, divided into 4, 3, or 2 Square Numbers, the Algebraic Sum of whose Roots (Positive or Negative) may equal 1, by means of which Table all the Odd Numbers up to 9503 may be resolved into not exceeding 4 Square Numbers. 1854. 1*s.* 6*d.*

——— On some Remarkable Relations which obtain among the Roots of the 4 Squares into which a Number may be divided, as compared with the corresponding Roots of certain other Numbers. 1859. 1*s.* 6*d.*

——— On Fermat's Theorem of the Polygonal Numbers. 1861. 1*s.* 6*d.*

——— On the Mysteries of Numbers alluded to by Fermat. Second Communication. 1868. 1 plate, 2*s.*

POND (J.) On the Declinations of some of the Principal Fixed Stars, with a Description of an Astronomical Circle, and some Remarks on the Construction of Circular Instruments. 1806. 1 plate, 2*s.*

——— A Catalogue of North Polar Distances of some of the Principal Fixed Stars. 1813. 6*d.*

——— Catalogue of North Polar Distances of 84 Principal Fixed Stars, deduced from Observations made with the Mural Circle at the Royal Observatory. 1813. 2*s.*

——— Observation of the Summer Solstice, 1812, at the Royal Observatory. 1813. 9*d.*

——— On certain Changes which appear to have taken place in the Positions of some of the Principal Fixed Stars. 1823. 1*s.* 6*d.*

POND (J.) On the Annual Variations of some of the Principal Fixed Stars. 1825. 1*s.*

——— Some Suggestions relative to the Best Method of Employing the New Zenith Telescope lately erected at the Royal Observatory. 1834. 1*s.*

——— Continuation of a former Paper on the 25-feet Zenith Telescope lately erected at the Royal Observatory. 1835. 1*s.*

POULTON (E. B.) An Inquiry into the Cause and Extent of a Special Colour-relation between certain exposed Lepidopterous Pupae and the Surfaces which immediately surround them. 1887. 1 plate, 3*s.* 6*d.*

POWELL (Rev. Baden). An Experimental Inquiry into the Nature of the Radiant Heating Effects from Terrestrial Sources. 1825. 1*s.* 6*d.*

——— On the Repulsive Power of Heat. 1834. 1*s.*

——— Researches towards establishing a Theory of the Dispersion of Light. 1835. 1*s.* 6*d.*

——— ——— No. II. 1836. 1*s.*

——— ——— No. III. 1837. 1*s.*

——— ——— No. IV. 1838. 1*s.*

——— Remarks on the Theory of the Dispersion of Light as connected with Polarization. 1838. 1*s.* 6*d.*

——— A Supplement to a Paper entitled "Remarks on the Theory of the Dispersion of Light, as connected with Polarization." 1840. 9*d.*

——— Observations on Certain Cases of Elliptic Polarization of Light by Reflexion. 1843. 1*s.*

——— On the Elliptic Polarization of Light by Reflexion from Metallic Surfaces. 1845. 1 plate, 1*s.* 6*d.*

——— On a New Case of the Interference of Light. 1848. 1*s.* 6*d.*

POWER (J.) Theory of the Reciprocal Action between the Solar Rays and the different Media by which they are Reflected, Refracted, or Absorbed; in the course of which various Optical Laws are Elucidated and Explained. 1854. 2*s.* 6*d.*

POYNTING (J. H.) On the Transfer of Energy in the Electromagnetic Field. 1885. 1*s.*

——— On the Connexion between Electric Current and the Electric and Magnetic Inductions in the surrounding Field. 1886. 1*s.* 6*d.*

——— On a Determination of the Mean Density of the Earth and the Gravitation Constant by means of the Common Balance. 1892. 7 plates, 7*s.*

PRATT (Archdeacon J. H.) On the Attraction of the Himalaya Mountains, and of the Elevated Regions beyond them, upon the Plumb-line in India. 1855. 2*s.* 6*d.*

——— On the Effect of Local Attraction upon the Plumb-line at Stations on the English Arc of the Meridian, between Dunnose and Burleigh Moor; and a Method of Computing its Amount. 1856. 1 plate, 2*s.*

PRATT (ARCHDEACON J. H.) On the Deflection of the Plumb-line in India, caused by the Attraction of the Himalaya Mountains and of the Elevated Regions beyond; and its Modification by the Compensating Effect of a Deficiency of Matter below the Mountain Mass. 1859. 2*s.*

——— On the Influence of the Ocean on the Plumb-line in India. 1859. 1*s.* 6*d.*

——— On the Indian Arc of Meridian. 1861. 1*s.* 6*d.*

——— On the Constitution of the Solid Crust of the Earth. 1871. 2*s.*

——— See CLARKE (A. R.)

PRESTWICH (J.) On the Occurrence of Flint-implements, Associated with the Remains of Animals of Extinct Species in Beds of a late Geological Period, in France at Amiens and Abbeville, and in England at Hoxne. 1860. 5 plates, 2*s.* 6*d.*

——— Theoretical Considerations of the Conditions under which the Drift Deposits containing the Remains of Extinct Mammalia and Flint Implements were accumulated, and on their Geological Age; also, on the Loess of the Valleys of the South of England, and of the Somme and the Seine. 1864. 2 plates, 4*s.*

——— Report on the Exploration of Brixham Cave, conducted by a Committee of the Geological Society, and under the Superintendence of Wm. Pengelly, aided by a Local Committee; with Descriptions of the Animal Remains by George Busk, and of the Flint Implements by John Evans. 1873. 7 plates, 5*s.*

——— Tables of Temperatures of the Sea at Different Depths beneath the Surface, Reduced and Collated from the Various Observations made between the Years 1749 and 1868. 1876. 4 plates, 7*s.* 6*d.*

——— On the Origin of the Parallel Roads of Lochaber, and their Bearing on other Phenomena of the Glacial Period. 1880. 1 plate, 2*s.* 6*d.*

——— On the Evidences of a Submergence of Western Europe and of the Mediterranean Coasts, at the Close of the Glacial or so-called Post-glacial Period, and immediately preceding the Neolithic or Recent Period. 1893. 1 plate, 5*s.* 6*d.*

PRIESTLEY (J.) On the Physiological Action of Vanadium. 1876. 2 plates, 3*s.*

PRINSEP (JAMES). On the Measurement of High Temperatures. 1828. 1 plate, 1*s.* 6*d.*

——— A Meteorological Journal kept at Benares. 1824–6. 1828. 1 plate, 1*s.*

PRITCHARD (U.) The Cochlea of the Ornithorhynchus Platypus compared with that of Ordinary Mammals and of Birds. 1881. 2 plates, 1*s.* 6*d.*

PROUT (WILLIAM). On the Ultimate Composition of Simple Alimentary Substances, with some Preliminary Remarks on the Analysis of Organized Bodies in General. 1827. 2 plates, 2*s.* 6*d.*

PYE (W.) See T. L. BRUNTON.

RAINEY (G.) On the Structure and Use of the Ligamentum Rotundum Uteri, with Some Observations upon the Changes which take place in the Structure of the Uterus during Gestation. 1850. 1 plate, 1*s.*

——— On the Structure and Development of the Cysticerus cellulosae, as found in the Muscles of the Pig. 1857. 2 plates, 2*s.*

RAMSAY AND SHIELDS. The Variation of Molecular Surface-energy with Temperature. 1893. 2 plates, 2*s.*

RAMSAY AND YOUNG. The Influence of Pressure on the Temperature of Volatilization of Solids. 1884. 1*s.*

——— Influence of Change of Condition from the Liquid to the Solid State on Vapour Pressure. 1885. 2 plates, 2*s.*

——— On Evaporation and Dissociation. Part I. 1886. 2 plates, 3*s.*

——— ——— Part II. A Study of the Thermal Properties of Alcohol. 1886. 5 plates, 3*s.*

——— ——— Part III. A Study of the Thermal Properties of Ethyl Oxide. 1887. 5 plates, 2*s.*

——— ——— Part IV. (Published in the Transactions of the Chemical Society, 1886.)

——— ——— Part V. A Study of the Thermal Properties of Methyl-Alcohol. 1887. 5 plates, 1*s.* 6*d.*

——— ——— Parts VI. and VII. (Published in the Phil. Mag., 1887.)

——— ——— Part VIII. A Study of the Thermal Properties of Propyl Alcohol. 1889. 5 plates, 2*s.*

——— On Some of the Properties of Water and of Steam. 1892. 1 plate, 2*s.*

RANKINE (W. J. M.) On the Geometrical Representation of the Expansive Action of Heat, and the Theory of Thermo-dynamic Engines. 1854. 3*s.* 6*d.*

——— On Axes of Elasticity and Crystalline Forms. 1856. 2*s.*

——— On the Stability of Loose Earth. 1857. 2*s.*

——— On the Thermo-dynamic Theory of Steam-engines with Dry Saturated Steam, and its Application to Practice. 1859. 1*s.* 6*d.*

——— Supplement to Mr. Macquorn Rankine's Paper "On the Thermo-dynamic Theory of Steam-engines with Dry Saturated Steam and its Application to Practice." 1859. 6*d.*

——— On the Exact Form of Waves near the Surface of Deep Water. 1863. 1*s.*

——— On Plane Water-lines in two Dimensions. 1864. 2 plates, 2*s.*

——— On the Thermodynamic Theory of Waves of Finite Longitudinal Disturbance. 1870. 1*s.* 6*d.*

——— On the Mathematical Theory of Stream-lines, especially those with Four Foci and upwards. 1871. 1 plate, 2*s.* 6*d.*

RANSOM (W. H.) Observations on the Ovum of Osseous Fishes. 1867. 4 plates, 3*s.* 6*d.*

RAYLEIGH (LORD). Experiments to determine the Value of the British Association Unit of Resistance in Absolute Measure. 1882. 1 plate, 1*s.* 6*d.*

——— On the Circulation of Air observed in Kundt's Tubes and on Some Allied Acoustical Problems. 1884. 1*s.*

——— On the Clark Cell as a Standard of Electro-motive Force. 1886. 1*s.* 6*d.*

——— On the Constant of Magnetic Rotation of Light in Bisulphide of Carbon. 1886. 1*s.* 6*d.*

RAYLEIGH AND SIDGWICK. Experiments, by the Method of Lorentz, for the further Determination of the Absolute Value of the British Association Unit of Resistance, with an Appendix on the Determination of the Pitch of a Standard Tuning-fork. 1883. 2*s.*

——— On the Specific Resistance of Mercury. 1883. 1*s.* 6*d.*

——— On the Electro-Chemical Equivalent of Silver, and on the Absolute Electro-motive Force of Clark Cells. 1885. 1 plate, 2*s.*

REED (E. J.) On the Relation of Form and Dimensions to Weight of Material in the Construction of Ironclad Ships. 1868. 1*s.* 6*d.*

——— On the Unequal Distribution of Weight and Support in Ships, and its Effects in Still Water, in Waves, and in Exceptional Positions on Shore. 1871. 6 plates, 4*s.*

REES (G. O.) On the Chemical Analysis of the Contents of the Thoracic Duct in the Human Subject. 1842. 1*s.*

REID (E. W.) The Electro-motive Properties of the Skin of the Common Eel. 1893. 1*s.*

——— The Process of Secretion in the Skin of the common Eel. 1894. 4 plates, 6*s.* 6*d.*

——— See A. D. WALLER.

REINOLD AND RÜCKER. On the Electrical Resistance of Thin Liquid Films, with a Revision of Newton's Table of Colours. 1881. 2 plates, 2*s.* 6*d.*

——— The Limiting Thickness of Liquid Films. 1883. 1 plate, 1*s.* 6*d.*

——— On the Relation between the Thickness and the Surface Tension of Liquid Films. 1887. 1 plate, 2*s.*

——— On the Thickness and Electrical Resistance of Thin Liquid Films. 1893. 1*s.*

RENNIE (G.) Experiments on the Friction and Abrasion of the Surfaces of Solids. 1829. 2 plates, 2*s.*

——— On the Friction and Resistance of Fluids. 1831. 2 plates, 2*s.*

REYNOLDS (O.) On the Forces caused by the Communication of Heat between a Surface and a Gas; and on a New Photometer. 1876. 1*s.* 6*d.*

REYNOLDS (O.) On the Refraction of Sound by the Atmosphere. 1876. 1 plate, 1*s.* 6*d.*

——— On Rolling Friction. 1876. 1*s.* 6*d.*

——— On certain Dimensional Properties of Matter in the Gaseous State. 1880. 3 plates, 5*s.*

——— An Experimental Investigation of the Circumstances which Determine whether the Motion of Water shall be Direct or Sinuous, and of the Law of Resistance in Parallel Channels. 1884. 3 plates, 2*s.* 6*d.*

——— On the Theory of Lubrication and its Application to Mr. Beauchamp Tower's Experiments. 1886. 1 plate, 2*s.* 6*d.*

RICHARDSON (W.) A Letter on the Alterations that have taken place in the Structure of Rocks, on the Surface of the Basaltic Country in the Counties of Derry and Antrim. 1808. 2 plates, 3*s.*

RIGG (R.) An Experimental Inquiry into the Influence of Nitrogen on the Growth of Plants. 1838. 1*s.*

——— On the Evolution of Nitrogen during the Growth of Plants, and the Sources from whence they Derive that Element. 1838. 1*s.*

RITCHIE (W.) On a New Photometer, with its Application to Determine the Relative Intensities of Artificial Light, &c. 1825. 1 plate, 1*s.*

——— Experiments and Observations on Electric Conduction. 1828. 1*s.*

——— An Experimental Examination of the Electric and Chemical Theories of Galvanism. 1829. 1*s.*

——— On the Elasticity of Threads of Glass, with some of the most Useful Applications of this Property to Torsion Balances. 1830. 1*s.*

——— Experimental Researches in Voltaic Electricity and Electro-Magnetism. 1832. 1 plate, 2*s.*

——— Experimental Researches in Electro-Magnetism and Magneto-Electricity. 1833. 1 plate, 1*s.* 6*d.*

ROBERTS (W.) Studies on Biogenesis. 1874. 1*s.* 6*d.*

——— See J. N. LOCKYER.

ROBERTS-AUSTEN (W. C.) On certain Mechanical Properties of Metals considered in Relation to the Periodic Law. 1888. 1 plate, 1*s.*

ROBERTSON (A.) A New Demonstration of the Binomial Theorem, when the Exponent is a Positive or Negative Fraction. 1806. 1*s.* 6*d.*

——— On the Precession of the Equinoxes. 1807. 1 plate, 2*s.*

ROBERTSON (C.) See G. ROLLESTON.

ROBERTSON (CAPTAIN W.) Observations of the Second Comet of 1822, made at Rio de Janeiro. 1831. 1*s.*

ROBINSON (T. R.) On Spectra of Electric Light as Modified by the Nature of the Electrodes and the Media of Discharge. 1862. 2*s.* 6*d.*

ROBINSON (T. R.) Reduction of Anemograms taken at the Armagh Observatory in the years 1857–63. 1876. 2*s.*

——— On the Determination of the Constants of the Cup Anemometer by Experiments with a Whirling Machine. 1879. 5 plates, 3*s.*

——— ——— Part II. 1881. 1*s.* 6*d.*

——— See T. GRUBB.

RODGER (J. W.) See T. E. THORPE.

RODRIGUEZ (J.) Observations on the Measurement of three Degrees of the Meridian conducted in England by Lieut.-Col. William Mudge. 1812. 2*s.*

RODWELL (G. F.) On the Effects of Heat on certain Haloid Compounds of Silver, Mercury, Lead, and Copper. 1883. Plate, 2*s.*

ROGET (P. M.) Explanation of an Optical Deception in the Appearance of the Spokes of a Wheel seen through Vertical Apertures. 1825. 1 plate, 1*s.* 6*d.*

ROLLESTON AND ROBERTSON. On the Aquiferous and Oviducal System in the Lamellibranchiate Mollusks. 1861. 1*s.* 6*d.*

ROMANES (G. J.) Preliminary Observations on the Locomotor System of Medusae. 1876. 2 plates, 2*s.* 6*d.*

——— Further Observations on the Locomotor System of Medusae. 1878. 2 plates, 4*s.*

——— Concluding Observations on the Locomotor System of Medusae. 1880. 2*s.*

ROMANES AND EWART. Observations on the Locomotor System of Echinodermata. 1882. 7 plates, 6*s.*

RONALDS (EDMUND). Remarks on the Extractive Material of Urine, and on the Excretion of Sulphur and Phosphorus by the Kidneys in an unoxidized state. 1846. 1*s.*

RONALDS (FRANCIS). On Photographic Self-registering Meteorological and Magnetical Instruments. 1847. 2 plates, 1*s.* 6*d.*

ROSCOE (H. E.) On a Method of Meteorological Registration of the Chemical Action of Total Daylight. 1865. 2 plates, 2*s.*

——— On the Chemical Intensity of Total Daylight at Kew and Pará, 1865, 1866, and 1867. 1867. 2 plates, 1*s.* 6*d.*

——— Researches on Vanadium. 1868. 2*s.*

——— ——— Part II. Mononitride, Chlorides, Metallic Vanadium. 1869. 1*s.* 6*d.*

——— ——— Part III. Metallic Vanadium, Vanadium and Bromine, Vanadium and Iodine, and Metallic Vanadates. 1870. 1*s.* 6*d.*

——— On a Self-recording Method of Measuring the Total Intensity of the Chemical Action of Total Daylight. 1874. 1 plate, 2*s.*

——— See R. BUNSEN.

ROSCOE AND LUNT. Contributions to the Chemical Bacteriology of Sewage. 1892. 4 plates, 4*s.* 6*d.*

ROSCOE AND THORPE. On the Relation between the Sun's Altitude and the Chemical Intensity of Total Daylight in a Cloudless Sky. 1870. 1 plate, 1*s.* 6*d.*

——— On the Measurement of the Chemical Intensity of Total Daylight made at Catania during the Total Eclipse of Dec. 22nd, 1870. 1871. 1 plate, 1*s.* 6*d.*

——— On the Absorption-spectra of Bromine and of Iodine Monochloride. 1877. 1 plate, 1*s.* 6*d.*

ROSS (SIR JAMES CLARKE). On the Position of the North Magnetic Pole. 1834. 1*s.*

——— On the Effect of the Pressure of the Atmosphere on the Mean Level of the Ocean. 1854. 3 plates, 2*s.*

ROSSE (THE EARL OF). Observations on some of the Nebulae. 1844. 2 plates, 1*s.* 6*d.*

——— Observations on the Nebulae. 1850. 4 plates, 2*s.*

——— On the Construction of Specula of Six-feet Aperture; and a selection from the Observations of Nebulae made with them. 1861. 8 plates, 4*s.*

——— On the Radiation of Heat from the Moon, the Law of its Absorption by our Atmosphere, and its Variation in Amount with her Phases. 1873. 1 plate, 2*s.* 6*d.*

——— On some Recent Improvements made in the Mountings of the Telescopes at Birr Castle. 1880. 3 plates, 2*s.*

ROWE (R. C.) Memoir on Abel's Theorem. With an addition by Prof. Cayley. 1882. 2*s.*

ROY AND ADAMI. Contributions to the Physiology and Pathology of the Mammalian Heart. 1892. 38 woodcuts, 5*s.* 6*d.*

ROYSTON-PIGOTT (G. W.) On a Searcher for Aplanatic Images applied to Microscopes, and its Effects in increasing Power and improving Definition. 1870. 2 plates, 1*s.* 6*d.*

RÜCKER (A. W.) See A. W. REINOLD.

——— See T. E. THORPE.

RÜCKER AND THORPE. A Magnetic Survey of the British Isles for the Epoch January 1, 1886. 1890. 14 plates, £1 1*s.*

RUMFORD (BENJAMIN, COUNT OF). An Enquiry concerning the Nature of Heat, and the Mode of its Communication. 1804. 2 plates, 3*s.* 6*d.*

RUSSELL (J. S. R.) An Experimental Investigation of the Nerve Roots which enter into the Formation of the Brachial Plexus of the Dog. 1893. 1 plate, 2*s.*

——— Experimental Researches into the Functions of the Cerebellum. 1894. 2*s.*

RUSSELL (P.) Observations on the Orifices found in certain Poisonous Snakes, situated between the nostril and the eye. 1804. 1 plate, 1*s.* 6*d.*

——— Remarks on the Voluntary Expansion of the Skin of the Neck in the Cobra de Capella or Hooded Snake of the East Indies. 1804. 2 plates, 1*s.* 6*d.*

RUSSELL (W. H. L.) On the Theory of Definite Integrals. 1855. 2*s.*

——— On the Calculus of Symbols, with Applications to the Theory of Differential Equations. 1861. 1*s.* 6*d.*

——— On the Calculus of Symbols (Second Memoir). 1862. 1*s.*

——— On the Calculus of Symbols (Third Memoir). 1863. 1*s.*

——— On the Calculus of Functions. 1862. 1*s.*

RUTHERFORD (WILLIAM). Computation of the Ratio of the Diameter of a Circle to its Circumference to 208 Places of Figures. 1841. 1*s.*

SABINE (SIR E.) A Comparison of Barometrical Measurement with the Trigonometrical Determination of a Height at Spitzbergen. 1824. 2 plates, 2*s.*

——— Experiments to ascertain the Ratio of the Magnetic Forces acting on a Needle, suspended horizontally, in Paris and in London. 1828. 1*s.* 6*d.*

——— Experiments to determine the Difference in the Length of the Seconds Pendulum in London and in Paris. 1828. 2*s.* 6*d.*

——— Experiments to determine the Difference in the Number of Vibrations made by an Invariable Pendulum in the Royal Observatory at Greenwich, and in the House in London in which Captain Kater's Experiments were made. 1829. 1*s.* 6*d.*

——— On the Dip of the Magnetic Needle in London in August 1828. 1829. 1*s.*

——— Notice on the Reduction to a Vacuum of Captain Kater's Convertible Pendulum. 1829. 1*s.*

——— On the Reduction to a Vacuum of the Vibrations of an Invariable Pendulum. 1829. 1 plate, 2*s.*

——— Experiments to ascertain the Correction for Variations of Temperature, within the Limits of the Natural Temperature of the South of England, of the Invariable Pendulum recently employed by British Observers. 1830. 1*s.*

——— Experiments to determine the Difference in the Number of Vibrations made by an Invariable Pendulum at Greenwich and Altona. 1830. 1*s.*

——— Experiments on the Length of the Seconds Pendulum at the Royal Observatory at Greenwich. 1831. 2*s.*

——— Contributions to Terrestrial Magnetism. I. Lines of Inclination and Intensity in the Atlantic Ocean, etc. 1840. 2 plates, 1*s.* 6*d.*

SABINE (SIR E.) Contributions to Terrestrial Magnetism. II. Magnetic Observations on the West Coast of America and the adjacent Islands. 1841. 2*s.*

——— ——— III. Observations on Magnetic Intensity made by the Officers of H.M.S. *Erebus* and *Terror*. 1842. 1 plate, 2*s.*

——— ——— IV. Second Series of Magnetic Determinations, by Captain Sir Edward Belcher, R.N. 1843. 2*s.*

——— ——— V. Observations within the Antarctic Circle, made on board H.M.S. *Erebus* and *Terror*, in the summer of 1840–41, in the Expedition under the Command of Captain James Clark Ross, R.N. —Observations between Kerguelen Island and Van Diemen Island, made on board H.M.S. *Erebus*, July and August, 1840. 1842. 3 plates, 5*s.*

——— ——— VI. Observations made on board H.M.S. *Erebus* and *Terror*, from June, 1841, to August, 1842, in the Antarctic Expedition. 1845. 5 plates, 7*s.* 6*d.*

——— ——— VII. Magnetic Survey of a considerable Portion of the North American Continent. 1846. 2 plates, 3*s.* 6*d.*

——— ——— VIII. Magnetic Survey of the Southern Hemisphere between the Meridians of 0° and 125° E., and Parallels of —20° and —70°. 1846. 3 plates, 5*s.*

——— ——— IX. Containing a Map of the Magnetic Declination for 1840 in the Atlantic Ocean between the Parallels of 60° North and 60° South Latitude. 1849. 2 plates, 2*s.*

——— ——— X. Antarctic Magnetic Survey executed by H.M.S. *Erebus* and *Terror*, 1839–43. 1866. 3*s.*

——— ——— XI. Magnetic Survey of the South Polar Regions, 1840–5. 1868. 3 plates, 3*s.* 6*d.*

——— ——— XII. The Magnetic Survey of the British Islands, reduced to the Epoch 1842–5. 1870. 3 plates, 2*s.*

——— ——— XIII. General Tables of Observations for Latitudes 40° N. to 80° N., and a few beyond. 1872. 3 plates, 3*s.*

——— ——— XIV. Second Half of the Magnetic Survey of the Northern Hemisphere. 1875. 3 plates, 5*s.* 6*d.*

——— ——— XV. Conclusion. 1878. 3 plates, 5*s.* 6*d.*

——— On the Lunar Atmospheric Tide at St. Helena. 1847. 1*s.*

——— On the Diurnal Variation of the Magnetic Declination at St. Helena. 1847. 2 plates, 1*s.* 6*d.*

——— On the Means adopted in the British Colonial Magnetic Observatories for determining the Absolute Values, Secular Change, and Annual Variation of the Magnetic Force. 1850. 1*s.* 6*d.*

——— On the Annual Variation of Magnetic Declination at different Periods of the Day. 1851. 2 plates, 1*s.* 6*d.*

SABINE (Sir E.) On Periodical Laws discoverable in the Mean Effects of the larger Magnetic Disturbances. 1851. 1*s.* 6*d.*

——— ——— II. 1852. 1*s.* 6*d.*

——— ——— III. 1856. 1 plate, 2*s.*

——— On the Periodic and Non-periodic Variations of the Temperature at Toronto in Canada, from 1841 to 1852 inclusive. 1853. 2 plates, 2*s.*

——— On the Influence of the Moon on the Magnetic Declination at Toronto, St. Helena, and Hobarton. 1853. 1*s.*

——— On the Lunar-diurnal Magnetic Variation at Toronto. 1856. 1 plate, 1*s.*

——— On the Evidence of the Existence of the Decennial Inequality in the Solar-diurnal Magnetic Variations, and its Non-existence in the Lunar-diurnal Variation, of the Declination at Hobarton. 1857. 1 plate, 1*s.* 6*d.*

——— On Hourly Observations of the Magnetic Declination made by Captain Rochefort Maguire, R.N., and the Officers of H.M.S. *Plover*, in 1852, 1853, and 1854, at Point Barrow, on the Shores of the Polar Sea. 1857. 2*s.*

——— Results of Hourly Observations of the Magnetic Declination made by Sir Francis Leopold McClintock, and the Officers of the Yacht *Fox*, at Port Kennedy, in the Arctic Sea, in the Winter of 1858–59; and a Comparison of these Results with those obtained by Captain Rochfort Maguire, and the Officers of H.M.S. *Plover*, in 1852, 1853, and 1854, at Point Barrow. 1863. 1 plate, 2*s.*

——— Results of the Magnetical Observations at the Kew Observatory, from 1857 and 1858 to 1862 inclusive. Nos. I. and II. 1863. 3 plates, 2*s.* 6*d.*

——— ——— No. III. Lunar-diurnal Variation of the Three Magnetic Elements. 1866. 1*s.* 6*d.*

——— ——— No. IV. Analysis of the Principal Disturbances shown by the Horizontal and Vertical Force Magnetometers of the Kew Observatory, from 1859 to 1864. 1871. 1*s.* 6*d.*

——— A Comparison of the most Notable Disturbances of the Magnetic Declination in 1858 and 1859 at Kew and at Nertschinsk; preceded by a brief Retrospective View of the Progress of the Investigation into the Laws and Causes of the Magnetic Disturbances. 1864. 1*s.* 6*d.*

SALMON (G.) On Curves of the Third Order. 1858. 1*s.*

——— On Quaternary Cubics. 1860. 1*s.*

SALTER (S. J. A.) On the Structure and Growth of the Tooth of Echinus. 1861. 3 plates, 2*s.*

SAMPSON (R. A.) On Stokes's Current Function. 1892. 3*s.* 6*d.*

SANDERS (A.) Contributions to the Anatomy of the Central Nervous System in Vertebrate Animals. 1879. 8 plates, 5*s.*

——— ——— 1883. 5 plates, 2*s.* 6*d.*

——— ——— 1887. 4 plates, 2*s.*

SANDERSON (J. B.) On the Influence exercised by the Movements of Respiration on the Circulation of the Blood. 1867. 3 plates, 2*s.*

——— On the Electromotive Properties of the Leaf Dionaea in the Excited and Unexcited States. 1882. 2*s.*

——— ——— Second Paper. 1888. 2 plates, 1*s.* 6*d.*

SARGANT (E. B.) See R. T. GLAZEBROOK.

SAVORY (W. S.) On the Development of Striated Muscular Fibre in Mammalia. 1855. 2 plates, 2*s.*

SCHÄFER (E. A.) On the Minute Structure of the Leg Muscles of the Water-beetle. 1873. 1 plate, 1*s.* 6*d.*

——— Observations on the Nervous System of Aurelia aurita. 1879. 2 plates, 1*s.* 6*d.*

——— See S. BROWN.

——— See V. HORSLEY.

SCHLÄFLI (DR.) On the Distribution of Surfaces of the Third Order into Species, in reference to the Absence or Presence of Singular Points, and the Reality of their Lines. 1863. 2*s.*

SCHLAGINTWEIT (H. DE). Numerical Elements of Indian Meteorology. 1863. 5 coloured maps, 3*s.*

SCHOENBEIN (C. F.) On Spontaneous Nitrification. 1846. 1*s.*

SCHORLEMMER (C.) On the Normal Paraffins. 1872. 1*s.*

——— ——— Part II. 1878. 1*s.*

——— ——— Part III. 1880. 1*s.*

SCHORLEMMER AND THORPE. On the Normal Paraffins. Part IV. 1883. 1*s.*

SCHOTT (G. A.) On the Reflection and Refraction of Light. 1894. 2*s.* 6*d.*

SCHREIBERS (C.) An Historical and Anatomical Description of a doubtful Amphibious Animal of Germany, called, by Laurenti, Proteus Anguinus. 1801. 2 plates, 2*s.*

SCHROETER (J. J.) Observations and Measurements of the Planet Vesta. 1807. 6*d.*

SCHUMACHER (PROF.) A Comparison of the late Imperial Standard Troy Pound Weight with a Platina Copy of the same, and with other Standards of Authority. 1836. 2*s.*

SCHUNCK (E.) On Rubian and its Products of Decomposition. Part I. 1851. 2*s.*

SCHUNCK (E.) On Rubian and its Products of Decomposition. Part II. 1853. 2*s.* 6*d.*

——— ——— Part III. Combined Action of Alkalies and Oxygen on Rubian. 1855. 2*s.*

SCHUSTER (A.) On the Nature of the Force producing the Motion of a Body exposed to Rays of Heat and Light. 1876. 1*s.*

——— On the Spectra of Metalloids. Spectrum of Oxygen. 1879. 1 plate. 2*s.*

——— The Diurnal Variation of Terrestrial Magnetism. 1889. 1*s.* 6*d.*

——— See J. N. LOCKYER.

SCORESBY (W.) Experiments and Observations on the Development of Magnetical Properties in Steel and Iron by Percussion. Part II. 1824. 2*s.*

SCOTT (A.) On the Composition of Water by Volume. 1893. 1*s.* 6*d.*

SCOTT (C. A.) On Plane Cubics. 1894. 2*s.* 6*d.*

SEABROKE (G. M.) See J. N. LOCKYER.

SEELEY (H. G.) Researches on the Structure, Organization, and Classification of the Fossil Reptilia. I. On Protorosaurus Speneri (Von Meyer). 1887. 3 plates, 2*s.*

——— ——— II. On Pareiasaurus Bombidens (Owen), and the Significance of its Affinities to Amphibians, Reptiles, and Mammals. 1888. 10 plates, 3*s.*

——— ——— III. On parts of the Skeleton of a Mammal from Triassic Rocks of Klipfontein, Fraserberg, South Africa (Theriodesmus Phylarchus, Seeley), etc. 1888. 1 plate, 1*s.*

——— ——— Part IV. not published.

——— ——— V. On Associated Bones of a Small Anomodont Reptile, Keirognathus Cordylus (Seeley). 1888. 2 plates, 1*s.* 6*d.*

——— ——— VI. On the Anomodont Reptilia and their Allies. 1889. 17 plates, 5*s.*

——— ——— VII. Further Observations on Pareiasaurus. 1892. 7 plates, 10*s.*

——— ——— VIII. Further Evidences of the Skeleton in Deuterosaurus and Rhopalodon, from the Permian Rocks of Russia. 1894. 4 plates, 4*s.* 6*d.*

——— ——— IX. Section 1. On the Therosuchia. 1895. 1 plate, 2*s.*

——— ——— IX. Section 2. The Reputed Mammals from the Karroo Formation of Cape Colony. Section 3. On Diademodon. 1895. 1 plate, 1*s.* 6*d.*

——— ——— IX. Section 4. On the Gomphodontia. 1895. 2 plates, 4*s.*

——— ——— IX. Section 5. On the Skeleton in new Cynodontia from the Karroo Rocks. 1895. 5*s.*

——— ——— IX. Section 6. Associated Remains of two small Skeletons from Klipfontein, Fraserburgh. 1895. 1*s.*

SEMON AND HORSLEY. An Experimental Investigation of the Central Motor Innervation of the Larynx. 1890. 2 plates, 2*s.*

SHADWELL (SIR C.) A Contribution to Terrestrial Magnetism. 1877. 1*s.* 6*d.*

SHARPE (DANIEL). On the Arrangement of the Foliation and Cleavage of the Rocks of the North of Scotland. 1852. 2 plates, 2*s.*

SHAW (H. S. H.) The Theory of Continuous Calculating Machines and of a Mechanism of the Class on a New Principle. 1886. 2*s.*

SHAW (W. N.) Report on Hygrometric Methods; First Part, including the Saturation Method and the Chemical Method, and Dew-point Instruments. 1883. 1 plate, 1*s.* 6*d.*

SHERRINGTON (C. S.) On Out-lying Nerve-cells in the Mammalian Spinal Cord. 1890. 2 plates, 2*s.*

——— Experiments in Examination of the Peripheral Distribution of the Fibres of the Posterior Roots of some Spinal Nerves. 1893. 11 plates, 12*s.*

SHIELDS (J.) See W. RAMSAY.

SIBSON (F.) On the Mechanism of Respiration. 1846. 7 plates, 3*s.* 6*d.*

——— On the Blow-hole of the Porpoise. 1848. 1 plate, 1*s.* 6*d.*

SIDGWICK (H.) See LORD RAYLEIGH.

SIEMENS (C. W.) On Uniform Rotation. 1866. 2 plates, 1*s.* 6*d.*

——— On Determining the Depth of the Sea without the Use of the Sounding-line. 1876. 3 plates, 2*s.*

——— On the Dynamo-electric Current, and on certain Means to improve its Steadiness. 1881. 12 plates, 5*s.*

SIMON (JOHN). On the Comparative Anatomy of the Thyroid Gland. 1844. 1*s.*

SIMONS (DR.) On the Theoretical Investigations of the Velocity of Sound, as corrected from M. Dulong's Recent Experiments. 1830. 1*s.*

SIMPSON (M.) On the Synthesis of Succinic and Pyrotartaric Acids. 1861. 1*s.*

SINCLAIR (F. G. formerly HEATHCOTE). A new Mode of Respiration in the Myriapoda. 1892. 2 plates, 2*s.*

SKEY (F. C.) On the Elementary Structure of the Muscular Fibre of Animal and Organic Life. 1837. 3 plates, 2*s.*

SKINNER (S.) See R. T. GLAZEBROOK.

SMITH (A.) See F. J. EVANS.

SMITH (E.) Experimental Inquiries into the Chemical and other Phenomena of Respiration, and their Modifications by various Physical Agencies. 1859. 2 plates, 2*s.*

——— ——— Second Communication. On the Action of Foods upon the Respiration during the Primary Processes of Digestion. 1859. 2 plates, 2*s.*

SMITH (E.) On the Elimination of Urea and Urinary Water, in relation to the Period of the Day, Season, Exertion, Food, Prison Discipline, Weight of Body, and other influences acting in the Cycle of the Year. 1861. 5 plates, 5*s.*

SMITH (H. J. S.) On Systems of Linear Indeterminate Equations and Congruences. 1861. 2*s.*

——— On the Orders and Genera of Ternary Quadratic Forms. 1867. 2*s.*

SMITH AND EVANS. On the Effect produced on the Deviations of the Compass by the Length and Arrangement of the Compass-needles; and on a new Mode of correcting the Quadrantal Deviation. 1861. 1 plate, 1*s.* 6*d.*

SMITHSON (J.) Account of a Discovery of Native Minium. 1806. 6*d.*

——— On the Composition of Zeolite. 1811. 1*s.*

——— On a Saline Substance from Mount Vesuvius. 1813. 1*s.*

——— See W. H. WOLLASTON.

SMYTH (C. P.) Astronomical Experiment on the Peak of Teneriffe, carried out under the Sanction of the Lords Commissioners of the Admiralty. 1858. 10 plates, 5*s.*

SMYTH (W. H.) Some Remarks on an Error respecting the Site and Origin of Graham Island. 1832. 1 map, 1*s.*

SOLLY (S.) On the Connexion of the Anterior Columns of the Spinal Cord with the Cerebellum. 1836. 1 plate, 1*s.*

SOMERVILLE (M.) On the Magnetizing Power of the more Refrangible Solar Rays. 1826. 1*s.*

——— On the Action of the Rays of the Spectrum on Vegetable Juices. 1846. 1 plate, 1*s.* 6*d.*

SOUTH (SIR J.) On the Discordances between the Sun's Observed and Computed Right Ascensions, as determined at the Blackman-street Observatory, in the years 1821 and 1822; with Experiments to show that they did not originate in Instrumental Derangement. 1826. 3 plates, 5*s.*

——— Observations of the Apparent Distances and Positions of 458 Double and Triple Stars, made in the years 1823, 1824, and 1825; together with a Re-examination of 36 Stars of the same description, etc. 1826. 12*s.* 6*d.*

——— On the Extensive Atmosphere of Mars. 1831. 1*s.*

——— See J. F. W. HERSCHEL.

SPENCER (W. G.) The Effect produced upon Respiration by Faradic Excitation of the Cerebrum in the Monkey, Dog, Cat, and Rabbit. 1894. 3 plates, 4*s.*

SPENCER AND HORSLEY. On the Changes produced in the Circulation and Respiration by increase of the Intra-cranial Pressure or Tension. 1891. 2*s.*

SPOTTISWOODE (W.) On an Extended Form of the Index Symbol in the Calculus of Operations. 1860. 2*s.*

SPOTTISWOODE (W.) On the Contact of Curves. 1862. 1*s.*

——— On the Calculus of Symbols. 1862. 1*s.* 6*d.*

——— On the Sextactic Points of a Plane Curve. 1865. 1*s.* 6*d.*

——— On the Contact of Conics with Surfaces. 1870. 1*s.* 6*d.*

——— On the Contact of Surfaces. 1872. 1*s.* 6*d.*

——— On Multiple Contact of Surfaces. 1876. 2*s.*

——— On Hyperjacobian Surfaces and Curves. 1878. 1*s.* 6*d.*

——— On the 48 Co-ordinates of a Cubic Curve in Space. 1881. 1*s.*

SPOTTISWOODE AND MOULTON. On the Sensitive State of Electrical Discharges through Rarefied Gases. 1879. 6 plates, 4*s.*

——— ——— Part II. 1880. 5 plates, 5*s.*

STANDERT (H. C.) See C. PEARS.

STARK (JAMES). On the Influence of Colour on Heat and Odours. 1833. 2*s.*

STENHOUSE (JOHN). Examination of the Proximate Principles of some of the Lichens. 1848. 2*s.*

——— ——— Part II. 1849. 1*s.*

——— On the Nitrogenated Principles of Vegetables as the Sources of Artificial Alkaloids. 1850. 1*s.* 6*d.*

——— On the Oils produced by the Action of Sulphuric Acid upon various Classes of Vegetables. 1850. 1*s.* 6*d.*

——— On the Action of Nitric Acid on various Vegetables, with a more particular Examination of Spartium scoparium, Linn., or Common Broom. 1851. 2*s.*

——— Examination of select Vegetable Products from India. 1856. 1*s.* 6*d.*

——— On Larixinic Acid, a Crystallizable Volatile Principle found in the Bark of the Larch Tree. 1862. 1*s.*

STEVENS (WILLIAM). Observations on the Theory of Respiration. 1835. 1*s.*

STEWART (B.) On the Great Magnetic Disturbance which extended from August 28th to September 7th, 1859, as recorded by Photography at the Kew Observatory. 1861. 3 plates, 1*s.* 6*d.*

——— On the Nature of the Forces concerned in producing the greater Magnetic Disturbances. 1862. 1*s.* 6*d.*

——— An Account of Experiments on the Change of the Elastic Force of a Constant Volume of Atmospheric Air, between 32° F. and 212° F., and also on the Temperature of the Melting Point of Mercury. 1863. 1 plate, 1*s.* 6*d.*

——— See W. DE LA RUE.

STEWART (R. W.) The Absolute Thermal Conductivities of Iron and Copper. 1893. 1*s.*

STOKES (G. G.) On the Theory of certain Bands seen in the Spectrum. 1848. 1*s.* 6*d.*

STOKES (G. C.) On the Change of Refrangibility of Light. 1852. 1 plate, 5*s.*

——— ——— No. II. 1853. 1*s.*

——— On the Long Spectrum of Electric Light. 1862. 1*s.* 6*d.*

——— On the Communication of Vibration from a Vibrating Body to a Surrounding Gas. 1868. 1*s.* 6*d.*

——— See R. A. SAMPSON.

STONE (E. J.) An Experimental Determination of the Velocity of Sound. 1872. 1*s.*

STRACHEY (R.) Harmonic Analysis of Hourly Observations of Air Temperature and Pressure at British Observatories. Part I.—Temperature. 1893. 5 plates, 4*s.*

STRUTT (J. W.) On the Values of $\int_0^1 Q_n\, Q_{n'}, d\mu$, Q_n, $Q_{n'}$ being Laplace's Coefficients of the Orders n, n', with an application to the Theory of Radiation. 1870. 1*s.* 6*d.*

——— On the Theory of Resonance. 1871. 2*s.*

STUART (J.) See G. B. AIRY.

SUMPNER (W. E.) See W. E. AYRTON.

SURVEYOR (N. F.) See R. BOYCE.

SYKES (LIEUT.-COL. W. H.) On the Atmospheric Tides and Meteorology of Dukhun (Deccan), East Indies. 1835. 2*s.* 6*d.*

——— Discussion of Meteorological Observations taken in India, at various heights, embracing those at Dodabetta on the Neelgherry Mountains, at 8640 feet above the level of the Sea. 1850. 4 plates, 4*s.*

SYLVESTER (J. J., ESQ.) On a Theory of the Syzygetic Relations of Two Rational Functions, comprising an application of the Theory of Sturm's Functions, and that of the greatest Algebraical Common Measure. 1853. 5*s.*

——— Algebraical Researches, containing a Disquisition on Newton's Rule for the Discovery of Imaginary Roots, and an allied Rule, applicable to a particular class of Equations, together with a Complete Invariantive Determination of the Character of the Roots of the General Equation of the Fifth Degree, &c. 1864. 2 plates, 4*s.*

——— On the Motion of a Rigid Body acted on by no External Forces. 1866. 1*s.* 6*d.*

SYLVESTER AND HAMMOND. On Hamilton's Numbers. 1887. 1*s.*

——— ——— Part II. 1888. 1*s.*

TALBOT (H. F.) Researches in the Integral Calculus. Part I. 1836. 2*s.* 6*d.*

——— ——— Part II. 1837. 1*s.* 6*d.*

——— On the Optical Phenomena of certain Crystals. 1837. 1*s.*

TALBOT (H. F.) Further Observations on the Optical Phenomena of Crystals. 1837. 1*s.*

TATE (T.) See W. FAIRBAIRN.

TAYLOR (H. M.) On a Special Form of the General Equation of a Cubic Surface, and on a Diagram representing the Twenty-seven Lines on the Surface. 1894. 1*s.* 6*d.*

TENNANT (S.) On Two Metals, found in the black Powder remaining after the Solution of Platina. 1804. 1*s.*

THOMAS (H. L.) An Anatomical Description of a Male Rhinoceros. 1801. Plate, 1*s.*

THOMAS (O.) On the Homologies and Succession of the Teeth in the Dasyuridae, with an attempt to trace the History of the Evolution of Mammalian Teeth in general. 1887. 2 plates, 1*s.* 6*d.*

THOMPSON (J. V., ESQ.) Discovery of the Metamorphosis in the Second Type of the Cirripedes, viz., the Lepades, completing the Natural History of these singular Animals, and confirming their affinity with the Crustacea. 1835. 1 plate, 1*s.*

——— On the Double Metamorphosis in the Decapodous Crustacea, examplified in Cancer Mænas, Linn. 1835. 1 plate, 1*s.*

THOMSON (J.) On the Grand Currents of Atmospheric Circulation. 1892. 1*s.* 6*d.*

THOMSON (J. J.) On the Determination of the Number of Electrostatic Units in the Electromagnetic Unit of Electricity. 1883. 1*s.* 6*d.*

——— On the Vibrations of a Vortex Ring, and the action upon each other of two Vortices in a perfect Fluid. 1882. 1*s.* 6*d.*

——— On some Applications of Dynamical Principles to Physical Phenomena. 1886. 1*s.* 6*d.*

——— ——— Part II. 1887. 1*s.* 6*d.*

THOMSON (THOMAS). Analysis of a new Species of Copper Ore. 1814. 9*d.*

——— On some of the Compounds of Chromium. 1827. 3*s.* 6*d.*

THOMSON (SIR W.) A Mathematical Theory of Magnetism. 1851. 2*s.*

——— Elements of a Mathematical Theory of Elasticity. 1856. 1*s.* 6*d.*

——— On the Electro-dynamic Qualities of Metals. Parts I.–V. 1856. 1 plate, 5*s.*

——— ——— Part VI. Effects of Stress on Magnetization. 1876. 1*s.* 6*d.*

——— ——— Part VII. Effects of Stress on the Magnetization of Iron, Nickel, and Cobalt. 1879. 12 plates, 5*s.*

——— Dynamical Problems regarding Elastic Spheroidal Shells and Spheroids of Incompressible Liquid. 1863. 2*s.*

——— On the Rigidity of the Earth. 1863. 1*s.*

——— See J. P. JOULE.

THOMSON AND JOULE. On the Thermal Effects of Fluids in Motion. 1853. 1*s.*

——— ——— Part II. See JOULE and THOMSON.

——— ——— Part III. On the Changes of Temperature experienced by Bodies moving through Air. 1860. 1*s.*

——— ——— Part IV. See JOULE and THOMSON.

THOMSON AND SEARLE. A Determination of "V," the Ratio of the Electromagnetic Unit of Electricity to the Electrostatic Unit. 1890. 2*s.*

THOMSON (WYVILLE). On the Embryogeny of Antedon rosaceus, Link (Comatula rosacea of Lamarck). 1865. 5 plates, 3*s.* 6*d.*

——— On Holtenia, a Genus of Vitreous Sponges. 1869. 5 plates, 3*s.* 6*d.*

——— On the Echinoidea of the *Porcupine* Deep-sea Dredging Expeditions. 1874. 13 plates, 6*s.*

THORPE (T. E.) See H. E. ROSCOE.

——— See C. SCHORLEMMER.

THORPE AND RODGER. On the Relations between the Viscosity (Internal Friction) of Liquids and their Chemical Nature. 1894. 1 plate, 10*s.*

THORPE AND RÜCKER. On the Expansion of Sea-water by Heat. 1876. 1*s.* 6*d.*

TIEDEMANN (F.) On the Brain of the Negro, compared with that of the European and the Orang-Outang. 1836. 6 plates, 2*s.* 6*d.*

TILDEN AND SHENSTONE. On the Solubility of Salts in Water at High Temperatures. 1884. 2 plates, 1*s.* 6*d.*

TILLARD (S.) A Narrative of the Eruption of a Volcano in the Sea off the Island of St. Michael. 1812. 1*s.*

TOMES (C. S.) On the Development of the Teeth of the Newt, Frog, Slowworm, and Green Lizard, and on the Structure and Development of the Teeth of Ophidia. 1875. 3 plates, 2*s.*

——— On the Development and Succession of the Poison-Fangs of Snakes. 1876. 1 plate, 1*s.* 6*d.*

——— On the Development of the Teeth of Fishes (Elasmobranchii and Teleostei). 1876. 1 plate, 1*s.* 6*d.*

——— On the Structure and Development of Vascular Dentine. 1878. 3 plates, 2*s.* 6*d.*

TOMES (J.) On the Structure of the Dental Tissues of Marsupial Animals, and more particularly of the Enamel. 1849. 2 plates, 1*s.* 6*d.*

——— On the Structure of the Dental Tissues in the Order Rodentia. 1850. 4 plates, 2*s.* 6*d.*

——— On the Presence of Fibrils of Soft Tissue in the Dentinal Tubes. 1856. 1 plate, 1*s.* 6*d.*

TOMES AND DE MORGAN. Observations on the Structure and Development of Bone. 1853. 4 plates, 3*s.*

TOMLINSON (C.) On Supersaturated Saline Solutions. 1868. 1*s.* 6*d.*

——— ——— Part II. 1871. 1*s.* 6*d.*

TOMLINSON (H.) The Influence of Stress and Strain on the Action of Physical Forces. 1883. 6*s.* 6*d.*

——— The Coefficient of Viscosity of Air. 1887. 1 plate, 2*s.*

——— The Influence of Stress and Strain on the Physical Properties of Matter. 1887. 1 plate, 2*s.*

——— ——— Part II. Elasticity (continued). The Effect of Magnetisation on the Elasticity and the Internal Friction of Metals. 1888. 1*s.*

——— ——— Part III. Magnetic Induction (continued). The Internal Friction of Iron, Nickel, and Cobalt, studied by means of Magnetic Cycles of very Minute Range. 1891. 1*s.* 6*d.*

TONGE (M.) Observations on the Development of the Semilunar Valves of the Aorta and Pulmonary Artery of the Heart of the Chick. 1869. 2 plates, 2*s.*

TOYNBEE (JOSEPH). Researches tending to prove the Non-Vascularity and peculiar Uniform Mode of Organization and Nutrition of certain Animal Tissues, viz., Articular Cartilage, and the Cartilage of different classes of Fibro-Cartilage; the Cornea, the Crystalline Lens, and the Vitreous Humour; and the Epidermoid Appendages. 1841. 4 plates, 3*s.*

——— On the Structure of the Membrana Tympani in the Human Ear. 1850. 1 plate, 1*s.* 6*d.*

TREDGOLD (T.) Experiments on the Elasticity and Strength of Hard and Soft Steel. 1824. 1 plate, 1*s.*

TRIMMER (W. K.) An Account of some Organic Remains found near Brentford, Middlesex. 1813. 5 plates, 2*s.* 6*d.*

TROUGHTON (E.) An Account of a Method of Dividing Astronomical and other Instruments by Ocular Inspection, in which the usual Tools for Graduating are not Employed, the whole Operation being so contrived that no Error can occur but what is chargeable to Vision, when assisted by the best Optical Means of Viewing and Measuring Minute Quantities. 1809. 3 plates, 3*s.*

TURNER (E.) On the Composition of Chloride of Barium. 1829. 1*s.*

——— Experimental Researches on Atomic Weights. 1833. 2*s.*

TURNER (H. H.) Report of the Observations of the Total Solar Eclipse of August 29, 1886, made at Grenville, in the Island of Grenada. 1889. 1*s.*

TURNER (W.) On the Placentation of the Lemurs. 1876. 3 coloured plates, 2*s.* 6*d.*

——— On the Placentation of the Apes, with a Comparison of their Placenta with that of the Human Female. 1879. 2 plates, 2*s.*

TURNER (W. A.) See D. FERRIER.

TURNOR (REV. CHARLES). An Account of Newton's Dial, presented to the Royal Society. 1845. 9*d.*

TUTTON (A. E.) An Instrument for Grinding Section-plates and Prisms of Crystals of Artificial Preparations accurately in the desired Directions. 1894. 1*s.* 6*d.*

——— An Instrument of Precision for producing Monochromatic Light of any desired Wave-length, and its Use in the Investigation of the Optical Properties of Crystals. 1894. 2*s.*

TYNDALL (JOHN). On Molecular Influences. Part I. Transmission of Heat through Organic Structures. 1853. 1*s.* 6*d.*

——— On the Vibrations and Tones produced by the Contact of Bodies having different Temperatures. 1854. 1*s.* 6*d.*

——— On the Nature of the Force by which Bodies are Repelled from the Poles of a Magnet; to which is prefixed, An Account of some Experiments on Molecular Influences. 1855. 3 plates, 3*s.*

——— Further Researches on the Polarity of the Diamagnetic Force. 1856. 2*s.*

——— On the Structure and Motion of Glaciers. 1857. 2*s.*

——— On some Physical Properties of Ice. 1858. 1*s.* 6*d.*

——— On the Physical Phenomena of Glaciers. Part I. Observations on the Mer de Glace. 1859. 2 plates, 2*s.*

——— On the Veined Structure of Glaciers; with Observations upon White Ice-seams, Air-bubbles, and Dirt-bands, and Remarks upon Glacier Theories. 1859. 2*s.*

——— On the Absorption and Radiation of Heat by Gases and Vapours, and on the Physical Connexion of Radiation, Absorption, and Conduction. 1861. 1 plate, 2*s.*

——— ——— Second Memoir. 1862. 1 plate, 2*s.*

——— ——— Third Memoir. On the Relation of Radiant Heat to Aqueous Vapour. 1863. 1*s.*

——— ——— Fourth Memoir. Absorption of Gases at Different Thicknesses. 1864. 2*s.*

——— ——— Fifth Memoir. Contributions to Molecular Physics. 1864. 2*s.*

——— ——— Sixth Memoir. Influence of Colour and Mechanical Condition on Radiant Heat. 1866. 1*s.* 6*d.*

——— On Calorescence. 1866. 1 plate, 2*s.*

——— On the Action of Rays of High Refrangibility upon Gaseous Matter. 1870. 2*s.*

——— On the Atmosphere as a Vehicle of Sound. 1874. 3 plates, 3*s.*

——— The Optical Deportment of the Atmosphere in Relation to the Phenomena of Putrefaction and Infection. 1876. 2*s.* 6*d.*

TYNDALL (JOHN). Further Researches on the Deportment and Vital Persistence of Putrefactive and Infective Organisms from a Physical Point of View. 1877. 3*s.* 6*d.*

——— Action of Free Molecules on Radiant Heat, and its Conversion thereby into Sound. 1882. 2*s.* 6*d.*

URE (A.) Analysis of the Moira Brine Spring near Ashby-de-la-Zouch, Leicestershire; with Researches on the Extraction of Bromine. 1834. 1*s.*

VARLEY (C. F.) Polarisation of Metallic Surfaces in Aqueous Solutions. On a new Method of obtaining Electricity from Mechanical Force, and certain Relations between Electrostatic Induction and the Decomposition of Water. 1871. 1 plate, 1*s.* 6*d.*

VELEY (V. H.) The Conditions of the Evolution of Gases from Homogeneous Liquids. 1888. 1*s.*

——— The Conditions of Chemical Change between Nitric Acid and certain Metals. 1891. 1*s.* 6*d.*

——— See G. J. BURCH.

VOGT (C.) See A. MATTHIESSEN.

WALKER (C. V.) On Magnetic Storms and Earth-currents. 1861. 3 plates, 2*s.*

——— On Magnetic Calms and Earth Currents. 1862. 1*s.* 6*d.*

WALKER (G. T.) Repulsion and Rotation produced by Alternating Electric Currents. 1892. 2*s.* 6*d.*

WALKER (JAMES). On the Resistance of Fluids to Bodies passing through them. 1828. 1 plate, 1*s.* 6*d.*

WALKER (J. J.) On the Dimensions of a Plane Cubic. 1888. 3 plates, 1*s.* 6*d.*

WALKER (GEN. J. T.) Account of recent Pendulum Operations for determining the Relative Force of Gravity at the Kew and Greenwich Observatories. 1890. 1*s.*

WALKER (R.) On the Production of Artificial Cold by means of Muriate of Lime. 1801. 1 plate, 2*s.*

WALLER (A.) Microscopic Observations on the so-called Vesicular Vapour of Water, as existing in the Vapours of Steam, and in Clouds, etc. 1847. 1 plate, 1*s.* 6*d.*

——— Minute Structure of the Papillae of the Tongue of the Frog and Toad. 1849. 1 plate, 1*s.* 6*d.*

——— Experiments on the Section of the Glossopharyngeal and Hypoglossal Nerves of the Frog, and Observations of the Alterations produced thereby in the Structure of their Primitive Fibres. 1850. 1 plate, 1*s.* 6*d.*

WALLER (A. D.) On the Electromotive Changes connected with the Beat of the Mammalian Heart, and of the Human Heart in particular. 1889. 1*s.* 6*d.*

WALLER AND REID. On the Action of the Excised Mammalian Heart. 1887. 1*s.* 6*d.*

WALLER AND WATTEVILLE. On the Influence of the Galvanic Current on the Excitability of the Motor Nerves of Man. 1883. 2 plates, 2*s.* 6*d.*

WARD (H. M.) On the Morphology and the Development of the Perithecium of Meliola, a Genus of Tropical Epiphyllous Fungi. 1883. 3 plates, 2*s.* 6*d.*

——— On the Structure and Life-history of Entyloma Ranunculi (Bonorden). 1887. 4 plates, 2*s.*

——— On the Tubercular Swellings on the Roots of Vicia Faba. 1887. 2 plates, 1*s.* 6*d.*

——— The Ginger-beer Plant, and the Organisms composing it; a Contribution to the Study of Fermentation Yeasts and Bacteria. 1892. 6 plates, 8*s.*

——— The Action of Light on Bacteria. 1895. 1 plate, 3*s.* 6*d.*

WARDROP (J.) Case of a Lady born Blind, who received Sight at an Advanced Age by the Formation of an Artificial Pupil. 1826. 1*s.*

WARE (J.) Case of a young Gentleman, who recovered his Sight when Seven Years of Age, after having been deprived of it by Cataracts before he was a Year old, with Remarks. 1801. 1*s.* 6*d.*

——— Observations relative to the Near and Distant Sight of different Persons. 1813. 1*s.* 6*d.*

WARREN (J.) Consideration of the Objections against the Geometrical Representation of the Square Roots of Negative Quantities. 1829. 1*s.* 6*d.*

——— On the Geometrical Representation of the Powers of Quantities whose Indices involve the Square Roots of Negative Quantities. 1829. 2*s.*

WATERSTON (J. J.) On a General Law of Density in Saturated Vapours. 1852. 1*s.*

——— On the Physics of Media that are composed of free and perfectly elastic Molecules in a State of Motion. 1892. 2 plates, 4*s.*

WATKINS (F.) On the Magnetic Powers of Soft Iron. 1833. 1*s.*

WATNEY (H.) The Minute Anatomy of the Alimentary Canal. 1876. 5 plates, 3*s.*

——— The Minute Anatomy of the Thymus. 1883. 13 partly coloured plates, 6*s.*

WATT (G.) Observations on Basalt, and on the Transition from the Vitreous to the Stony Texture, which occurs in the gradual Refrigeration of Melted Basalt; with some Geological Remarks. 1804. 2*s.* 6*d.*

WELSH (JOHN) An Account of Meteorological Observations in Four Balloon Ascents, made under the direction of the Kew Observatory Committee of the British Association for the Advancement of Science. 1853. 4 plates, 3*s.*

WELSH (JOHN) Account of the Construction of a Standard Barometer, and Description of the Apparatus and Processes employed in the Verification of Barometers at the Kew Observatory. 1856. 1 plate, 1*s.* 6*d.*

WESTWOOD (J. O.) On the supposed existence of Metamorphosis in the Crustacea. 1835. 1 plate, 2*s.*

WHEATSTONE (CHARLES). On the Figures obtained by strewing Sand on Vibrating Surfaces, commonly called Acoustic Figures. 1833. 12 plates, 3*s.*

——— An Account of some Experiments to measure the Velocity of Electricity, and the Duration of Electric Light. 1834. 2 plates, 2*s.*

——— Contributions to the Physiology of Vision. Part I. On some remarkable, and hitherto unobserved, Phenomena of Binocular Vision. 1838. 2 plates, 2*s.*

——— ——— Part II. On some remarkable, and hitherto unobserved, Phenomena of Binocular Vision. 1852. 1 plate, 2*s.*

——— An Account of several new Instruments and Processes for determining the Constants of a Voltaic Circuit. 1843. 3 plates, 2*s.*

WHETHAM (W. C. D.) On the alleged Slipping at the Boundary of a Liquid in Motion. 1890. 1*s.* 6*d.*

——— Ionic Velocities. 1893. 1*s.*

WHEWELL (W.) A General Method of calculating the Angles made by any Planes of Crystals, and the Laws according to which they are formed. 1825. 3 plates, 5*s.*

——— Essay towards a first approximation to a Map of Cotidal Lines. 1833. 2 charts, 4*s.*

——— On the Empirical Laws of the Tides in the Port of London; with some Reflections on the Theory. 1834. 2*s.*

——— On the results of Tide Observations made in June, 1834, at the Coastguard Stations in Great Britain and Ireland. 1835. 1*s.*

——— Researches on the Tides. Fourth Series. On the Empirical Laws of the Tides in the Port of Liverpool. 1836. 1*s.* 6*d.*

——— ——— Fifth Series. On the Solar Inequality and on the Diurnal Inequality of the Tides at Liverpool. 1836. 1 plate, 2*s.*

——— ——— Sixth Series. On the Results of an extensive System of Tide Observations made on the Coasts of Europe and America in June, 1835. 1836. 4 plates, 3*s.*

——— ——— Seventh Series. On the Diurnal Inequality of the Height of the Tide, especially at Plymouth and Singapore, and on the Mean Level of the Sea. 1837. 3 plates, 2*s.*

——— ——— Eighth Series. On the Progress of the Diurnal Inequality Wave along the Coasts of Europe. 1837. 1 plate, 1*s.* 6*d.*

——— ——— Ninth Series. On the Determination of the Laws of the Tides from short series of observations. 1838. 1*s.* 6*d.*

WHEWELL (W.) Researches on the Tides. Tenth Series. On the Laws of Low Water at the Port of Plymouth, and on the Permanency of Mean Water. 1839. 1*s.*

——— ——— Eleventh Series. On certain Tide Observations made in the Indian Seas. 1839. 9*d.*

——— ——— Additional Note to the Eleventh Series of Researches on the Tides. 1840. 1*s.*

——— ——— Twelfth Series. On the Laws of the Rise and Fall of the Sea's Surface during each Tide. 1840. 1 plate, 1*s.* 6*d.*

——— ——— Thirteenth Series. Tides of the West Coast of America, Isles of the Pacific, Australia. 1848. 1 plate, 2*s.*

——— ——— Fourteenth Series. On the Results of continued Tide Observations at several places on the British Coasts. 1850. 1*s.*

WHIDBEY (J.) An Account of the Sinking of the Dutch frigate *Ambuscade*, of 32 guns, near the Great Nore, with the mode used in recovering her. 1803. 1 plate, 1*s.*

WILDE (H.) Experimental Researches in Magnetism and Electricity. 1867. 1 plate, 2*s.*

WILLEMOËS-SUHM (R.) On a new genus of Amphipod Crustaceans. 1873. 2 plates, 2*s.*

——— On the Development of Cirripedia. 1876. 6 plates, 3*s.*

WILLIAMS (C. G.) On some of the Products of the Destructive Distillation of Boghead Coal. Part I. 1857. 1*s.* 6*d.*

——— ——— Part II. 1858. 1*s.*

——— On the Constitution of the Essential Oil of Rue. 1858. 1*s.*

——— On Isoprene and Caoutchine. 1860. 1*s.*

WILLIAMS (THOMAS). On the Blood-proper, and Chylaqueous Fluid of Invertebrate Animals. 1852. 5 plates, 4*s.*

——— Researches on the Structure and Homology of the Reproductive Organs of the Annelids. 1858. 3 plates, 2*s.* 6*d.*

WILLIAMSON (W. C.) On the Microscopic Structure of the Scales and Dermal Teeth of some Ganoid and Placoid Fish. 1849. 4 plates, 3*s.*

——— Investigations into the Structure and Development of the Scales and Bones of Fishes. 1851. 4 plates, 3*s.*

——— On the Organization of the Fossil Plants of the Coal-measures. Part I. Calamites. 1871. 7 plates, 10*s.*

——— ——— Part II. Lycopodiaceae, Lepidodendra, and Sigillariae. 1872. 8 plates, 8*s.*

——— ——— Part III. Lycopodiaceae (continued). 1872. 5 plates, 5*s.*

——— ——— Part IV. Dictyoxylon, Lyginodendron, and Heterangium. 1873. 10 plates, 8*s.*

WILLIAMSON (W. C.) On the Organization of the Fossil Plants of the Coal-measures. Part V. Asterophyllites. 1874. 9 plates, 9*s.*

——— ——— Part VI. Ferns. 1874. 8 plates, 8*s.*

——— ——— Part VII. Myelopteris, Psaronius, Kaloxylon. 1876. 7 plates, 5*s.*

——— ——— Part VIII. Ferns (continued), and Gymnospermous Stems and Seeds. 1877. 12 plates, 7*s.* 6*d.*

——— ——— Part IX. Astromyelon, Calamites, Asterophyllites, Lepidodendron, etc. 1879. 7 plates, 7*s.* 6*d.*

——— ——— Part X. Examination of the supposed Radiolarians of the Carboniferous Rocks. 1880. 8 plates, 10*s.*

——— ——— Part XI. Lepidodendron, etc. 1881. 8 plates, 7*s.* 6*d.*

——— ——— Part XII. Astromyelon, Psaronius, Zygosporites, Calamites, etc. 1883. 8 plates, 7*s.* 6*d.*

——— ——— Part XIII. Heterangium tillaeoides (Williamson) and Kaloxylon Hookeri. 1887. 4 plates, 2*s.*

——— ——— Part XIV. The True Fructification of Calamites. 1888. 4 plates, 2*s.*

——— ——— Part XV. Rachiopteris, Zygopteris, Calamostachys, &c. 1889. 4 plates, 2*s.* 6*d.*

——— ——— Part XVI. Lepidodendron, Rachiopteris. 1889. 4 plates, 3*s.*

——— ——— Part XVII. Lyginodendron and Rachiopteris. 1890. 4 plates, 3*s.*

——— ——— Part XVIII. Bowmanites, Rachiopteris. 1891. 4 plates, 2*s.* 6*d.*

——— ——— Part XIX. Lepidodendron Harcourtii, &c. 1893. 9 plates, 5*s.* 6*d.*

WILLIAMSON AND SCOTT. Further Observations on the Organisation of the Fossil Plants of the Coal-measures. Part I. Calamites, Calamostachys, and Sphenophyllum. 1895. 15 plates, 9*s.*

WILSON (E.)—See J. HOPKINSON.

WILSON (ERASMUS). Researches into the Structure and Development of a newly discovered Parasitic Animalcule of the Human Skin—the Entozoon folliculorum. 1844. 3 plates, 2*s.*

WILSON (E. B.) The Development of Renilla. 1884. 16 plates, 6*s.* 6*d.*

WILSON AND GRAY. Experimental Investigations on the Effective Temperature of the Sun, made at Daramona, Streete, co. Westmeath. 1894. 2*s.*

WOLLASTON (W. H.) Experiments on the Chemical Production and Agency of Electricity. 1801. 1*s.*

——— A Method of Examining Refractive and Dispersive Powers by Prismatic Reflection. 1802. 1 plate, 2*s.*

WOLLASTON (W. H.) On the Oblique Refraction of Iceland Crystal. 1802. 1 plate, 1*s.*

——— Observations on the Quantity of Horizontal Refraction; with a Method of Measuring the Dip at Sea.—SMITHSON (JAMES). A Chemical Analysis of some Calamines. 1803. 1*s.* 6*d.*

——— On a new Metal found in crude Platina. 1804. 1*s.*

——— On the Discovery of Palladium, with Observations on other substances found with Platina. 1805. 1*s.*

——— On the Force of Percussion. 1806. 1*s.*

——— On Fairy Rings. 1807. 1*s.*

——— Description of a Reflective Goniometer. 1809. 1 plate 1*s.*

——— On Platina and Native Palladium from Brazil. 1809. 1*s.*

——— On Cystic Oxide, a new Species of Urinary Calculus. 1810. 1*s.*

——— On a Periscopic Camera Obscura and Microscope. 1812. 1 plate, 1*s.*

——— On the Primitive Crystals of Carbonate of Lime, Bitter-Spar, and Iron-Spar. 1812. 1*s.*

——— Description of a Single-lens Micrometer. 1813. 1 plate, 1*s.*

——— A Method of drawing extremely fine Wires. 1813. 9*d.*

——— On the Elementary Particles of certain Crystals. 1813. 1 plate, 1*s.* 6*d.*

——— On a Method of Freezing at a Distance. 1813. 9*d.*

——— A Synoptic Scale of Chemical Equivalents. 1814. 1 plate, 1*s.* 6*d.*

——— Observations and Experiments on the Mass of Native Iron found in Brazil. 1816. 1*s.*

——— On the Apparent Direction of Eyes in a Portrait. 1824. 4 plates, 2*s.* 6*d.*

——— On Semi-decussation of the Optic Nerves. 1824. 1*s.*

——— On a Method of rendering Platina Malleable. 1829. 1 plate, 1*s.*

——— Description of a Microscopic Doublet. 1829. 1 plate, 1*s.*

——— On a Method of comparing the Light of the Sun with that of the Fixed Stars. 1829. 1*s.*

——— On the Water of the Mediterranean. 1829. 1*s.*

——— On a Differential Barometer. 1829. 1*s.*

WOOD (J.) On a Group of Varieties of the Muscles of the Human Neck, Shoulder, and Chest, and their Transitional Forms and Homologies in the Mammalia. 1870. 3 plates, 2*s.* 6*d.*

WOODHOUSE (R.) Demonstration of a Theorem, by which such Portions of the Solidity of a Sphere are assigned as admit of an Algebraic Expression. 1801. 1*s.*

——— On the Independence of the Analytical and Geometrical Methods of Investigation; and on the Advantages to be derived from their Separation. 1802. 2*s.*

WOODHOUSE (R.) On the Integration of certain Differential Expressions, with which Problems in Physical Astronomy are connected, etc. 1804. 3*s.*

——— On the Transit Instrument of the Cambridge Observatory; being a Supplement to a former Paper. 1826. 9*d.*

——— On the Derangement of certain Transit Instruments by the Effects of Temperature. 1827. 1*s.* 6*d.*

WORTHINGTON (A. M.) On the Mechanical Stretching of Liquids; an Experimental Determination of the Volume-extensibility of Ethyl-Alcohol. 1892. 1 plate, 1*s.* 6*d.*

WRIGHT (C. R. A.) See A. MATTHIESSEN.

WROTTESLEY (LORD) On the Results of Periodical Observations of the Positions and Distances of Nineteen of the Stars in Sir John Herschell's Lists of Stars, favourably situated for the Investigation of Parallax, contained in Part III. of the Philosophical Transactions for 1826, and Part I., 1827. 1851. 2*s.*

YARRELL (W.) On the Change in the Plumage of some Hen-pheasants. 1827. 1 plate, 1*s* 6*d.*

YELLOLY (J.) Remarks on the Tendency to Calculous Diseases; with Observations on the Nature of Urinary Concretions. 1829. 2*s.*

——— Sequel to a Paper on the Tendency to Calculous Diseases, and on the Concretions to which such Diseases give rise. 1830. 1*s.* 6*d.*

YORKE (P.) Researches on Silica. 1857. 1*s.*

YOUNG (S.) See W. RAMSAY.

YOUNG (T.) On the Mechanism of the Eye. 1801. 6 plates, 5*s.*

——— An Account of some Cases of the Production of Colours, not hitherto described 1802. 1*s.*

——— On the Theory of Light and Colours. 1802. 1 plate, 2*s.*

——— Experiments and Calculations relative to Physical Optics. 1804. 1*s.* 6*d.*

——— An Essay on the Cohesion of Fluids. 1805. 1*s.* 6*d.*

——— A Numerical Table of Elective Attractions; with Remarks on the Sequences of Double Decompositions. 1809. 1*s.* 6*d.*

——— On the Functions of the Heart and Arteries. 1809. 1*s.* 6*d.*

——— A Formula for expressing the Decrement of Human Life. 1826. 1 plate, 2*s.*

YOUNG AND FORBES. Experimental Determination of the Velocity of White and of Coloured Light. 1882. 2*s.* 6*d.*

YOUNGHUSBAND (CAPT. C. W.) On Periodic Laws in the larger Magnetic Disturbances. 1853. 1*s.* 6*d.*

The following Catalogues, now ready, to be had on application:

ASTRONOMY. TERRESTRIAL MAGNETISM, AND METEOROLOGY. 109 pages.

BOTANICAL WORKS.

No. I. 148 pages.
No. VIII. Geographical Botany, 150 pages.
No. X. Phanerogamia, 144 pages.
No. XI. Fossil Botany, 21 pages.
No. XII. Anatomy, Morphology, and Physiology of Plants, 65 pages.

CHEMISTRY AND PHYSICS. 146 pages.

ELECTRICITY, GALVANISM, AND MAGNETISM. 35 pages.

FRENCH BOOKS. 326 pages.

GEOLOGY.

No. VI. Systematic Geology. 72 pages.
No. VII. Crystallography, Metallurgy, Mineralogy, and Mining, 69 pages.
No. VIII. Petrography, Boulders, Caves, Earthquakes, Vulcanology, Water, etc.

GREEK AND LATIN AUTHORS (chiefly Classical and Theological). 122 pages.

GUIDE BOOKS, FRENCH NOVELS, AND MISCELLANEOUS PUBLICATIONS. 52 pages.

MATHEMATICAL CATALOGUE, 87 pages.

NATURAL HISTORY PUBLICATIONS OF THE TRUSTEES OF THE BRITISH MUSEUM. 20 pages.

NAVAL AND MILITARY WORKS. 58 pages.

ZOOLOGICAL AND PALAEONTOLOGICAL BOOKS.

Part XVII. Mollusca and Molluscoida, 72 pages.
Parts XVIII. Echinodermata. XIX. Vermes. 49 pages.
Parts XX. Crustacea. XXI. Arachnida, Aptera, Parasita. XXII. Myriapoda. 48 pages.
Parts XXVIII. Lepidoptera. XXIX. Neuroptera. XXX. Orthoptera. 37 pages.
Part XXXI. Reptilia and Amphibia. 48 pages.
Part XXXII. Pisces. 65 pages.
Part XXXIII. Aves. 65 pages.
Part XXXIV. Mammalia. 100 pages.
Part XXXV. Anthropology, Ethnography, 53 pages.
Part XXXVI. General Zoology, 104 pages.

Printed by Straingeways & Sons, Tower Street, Cambridge Circus, W.C.