ACOKANTHERA Schimperii: its natural history, chemistry, and pharmacology (Fraser and Tillie), 70.
Amphibia and amniota, on the evolution of the vertebral column of (Gadow), 257.
Argon, action du fluor sur l' (Moissan), 120.
Asterina gibbosa, the development of (MacBride), 74.

Bacillus ramosus (Fraenkel), on the biology of (Ward), 265.
Bakerian lecture (Harcourt and Esson), 108.
Ball (Valentine), obituary notice of, xlvii.
Ballance (C. A.) and S. G. Shattock, an attempt to cultivate parasitic protozoa from malignant tumours, vaccinia, molluscum contagiosum, and certain normal tissues, together with infection experiments carried out with the culture media, and a note on the treatment of cancer, 103, 469.
Barry (J. Wolfe) elected, 191.
— admitted, 220.
Bastian (H. C.) note on the relations of sensory impressions and sensory centres to voluntary movements, 89.
Bonney (T. G.) elected a member of Council, 162.
Boole (L. E.) and W. R. Dunstan, an inquiry into the nature of the vesicating constituent of croton oil, 238.
Bourne (Alfred Gibbs) elected, 191.
— admitted, 220.
Brain, a research into the elasticity of the living, and the conditions governing the recovery of the brain after compression for short periods (Levy), 1.
Bryan (George Hartley) elected, 191.
Cancer, note on the treatment of (Shattock and Ballance), 103, 469.
Candidates for election, list of, 59.
Carter (Henry John), obituary notice of, liv.

VOL. LVIII.

Cayley (Arthur), obituary notice of, i.
Cerebral cortex, the influence of the, on the larynx (Russell), 237.
Chemical change and its amount, on the laws of connexion between the conditions of. III. (Harcourt and Esson), 108.
Chree (G.) the stresses and strains in isotropic elastic solid ellipsoids in equilibrium under bodily forces derivable from a potential of the second degree, 39.
Coal-measures, further observations on the organization of the fossil plants of the. Part III. Lagenodendron and Heterangium (Williamson and Scott), 195.
Conroy (Sir J.) on the refractive index of water at temperatures between 0° and 10°, 228.
Cortex cerebri in the bonnet monkey (Macacus Nisicus), experimental degenerations following unilateral lesions of the (Melhus), 206.
Council, election of a member of, 162.
Creak (E. W.) on the magnetical results of the voyage of H.M.S. "Penguin," 1890-93, 220.
Croton oil, an inquiry into the nature of the vesicating constituent of (Dunstan and Boole), 238.
Dana (James Dwight), obituary notice of, ivii.
Dunstan (W. R.) and L. E. Boole, an inquiry into the nature of the vesicating constituent of croton oil, 238.
Dust-figures, on the cause of the differences in Lichtenberg's. Preliminary note (Thompson), 214.
Dynamo-electric machines, alternate current (Hopkinson and Wilson), 89.

Election of a member of Council, 162.
Election of Fellows, 191.
Electric and luminiferous medium, a dynamical theory of the. Part II. Theory of electrons (Larmor), 222.
— arc, on the temperature of the carbons of the (Wilson and Gray), 24.
Electric arc light, on the effect of pressure of the surrounding gas on the temperature of the crater of an (Wilson), 174.

Electrical measurement of starlight, the (Minchin), 142.

Electrolysis of gases, on the (Thomson), 244.

Elliot (John) elected, 191.

Ellipsoids, theorems on the attraction of, for certain laws of force other than the inverse square (Routh), 215.

...in equilibrium under bodily forces derivable from a potential of the second degree, the stresses and strains in isotropic elastic solid (Chree), 39.

Esson (W.) and A. Y. Harcourt, on the laws of connexion between the conditions of chemical change and its amount. III. Further researches on the reaction of hydrogen dioxide and hydrogen iodide—Bakerian Lecture, 108.

Ewing (J. A.) on measurements of small strains in the testing of materials and structures, 123.

Fasciola cinerea, the, its relation to the fascia dentata and to the nerves of Lancisi (Hill), 98.

Fellows elected, 191.

--- admitted, 192.

Fossil plants of the coal-measures, further observations on the organisation of the. Part III. *Ligiosodendron* and *Heterangium* (Williamson and Scott), 195.

Frankland (P. F.) and H. M. Ward, fourth report to the Water Research Committee of the Royal Society.---On the biology of *Bacillus ramoaeus* (Frashel), a Schizomycete of the River Thames (Ward), 205.

Fraser (T. R.) and J. Tillie, *Aeokanthera Schimpert*; its natural history, chemistry, and pharmacology, 70.

Gadow (H.) on the evolution of the vertebral column of amphibia and amniota, 257.

Gas obtained from uraninite, on the new (Lockyer), 67; second note, 113; third note, 116; fourth note, 192; fifth note, 193.

...showing the spectrum of helium, on a. Preliminary note (Ramsay), 65.

Gases, note on the motions of and within molecules, and on the significance of the ratio of the two specific heats in (Stoney), 177.

Gases, on the electrolysis of (Thomson), 244.

Geodeley, India's contribution to (Walker), 157.

Gray (P. L.) and W. E. Wilson, on the temperature of the carbons of the electric arc, with a note on the temperature of the sun. Experiments made at Daramona, Streete, co. Westmeath, 24.

Green (A. H.) retires from the Council, 182.

---(Joseph Reynolds) elected, 191.

---admitted, 220.

Griffiths (Ernest Howard) elected, 191.

---admitted, 220.

Harcourt (A. V.) and W. Esson, on the laws of connexion between the conditions of chemical change and its amount. III. Further researches on the reaction of hydrogen dioxide and hydrogen iodide—Bakerian lecture, 108.

Hartley (W. N.) remarks on the origin of some of the lines and bands observed in the spectra from Swedish Bessemer works, 250.

Heasman (T. A.) the kinematics of machines, 167.

Helium, a gaseous constituent of certain minerals. Part I (Ramsay), 81.

---on a gas showing the spectrum of.

Preliminary note (Ramsay), 65.

*Heterangium*, on (Williamson and Scott), 195.

Heycock (Charles Thomas) elected, 191.

---admitted, 220.

Hickson (Sydney John) elected, 191.

---admitted, 220.

Hill (A.) the fasciola cinerea, its relation to the fascia dentata and to the nerves of Lancisi, 98.

Holden (Henry Capel Loftt) elected, 191.

---admitted, 220.

Hopkinson (J.) and E. Wilson, alternate current dynamo-electric machines, 89.

Hulke (John Whitaker), obituary notice of, xlix.

Hydrogen and oxygen, on the occlusion of, by platinum black. Part I (Mond, Ramsay, and Shields), 242.

Hydrogen dioxide and hydrogen iodide, further researches on the reaction of—Bakerian Lecture (Harcourt and Esson), 108.

Inheritance in the case of two parents, note on regression and (Pearson), 240.
IONS, on the velocities of the (Whetham), 182.
Isotropic elastic solid ellipsoids in equilibrium under bodily forces derivable from a potential of the second degree, the stresses and strains in (Chree), 39.

Kelvin (Lord) and J. R. E. Murray, on the temperature variation of the thermal conductivity of rocks, 162.
Kinematics of machines, the ( Hearson), 167.

Larmor (J.) a dynamical theory of the electric and luminiferous medium, Part II. Theory of electrons, 222.
Larynx, the influence of the cerebral cortex on the (Russell), 237.
Leucoosolenia, on the origin of the triradiate spicules of (Minchin), 204.
Levy (A. G.) a research into the elasticity of the living brain and the conditions governing the recovery of the brain after compression for short periods, 1.
Lichtenberg's dust-figures, on the cause of the differences in. Preliminary note (Thompson), 214.
Liquids, on the magnetic rotation of the plane of polarisation of light in (Rodger and Watson), 234.
Lockyer (J. N.) on the new gas obtained from uraninite. Preliminary note, 67; second note, 113; third note, 116; fourth note, 192; fifth note, 193.
Luminiferous and electric medium, a dynamical theory of the. Part II. Theory of electrons (Larmor), 222.
Lundström (C. J.) spectra from Swedish Bessemer works, 259.
Lyginodendron, on (Williamson and Scott), 195.

Macacus Sinicus, experimental degenerations following unilateral lesions of the cortex cerebri in (Mellus), 206.
MacBride (E. W.) the development of Asterina gibbosa, 74. (Title only.) McClean (Frank) elected, 191.
Macewen (Willaim) elected, 191.
—— admitted, 220.
Machines, the kinematics of ( Hearson), 167.
Magnetic rotation of the plane of polarisation of light in liquids, on the. Part I. Carbon bisulphide and water (Rodger and Watson), 234.
Magnetical results of the voyage of H.M.S. "Penguin," 1890-93, on the (Creak), 220.
Martin (Sidney) elected, 191.
—— admitted, 220.
Mellus (E. L.) experimental degenerations following unilateral lesions of the cortex cerebri in the bonnet monkey (Macacus Sinicus), 206.
Minchin (E. A.) on the origin of the triradiate spicules of Leucoosolenia, 204.
—— (George M.) elected, 191.
—— admitted, 220.
Moissan (H.) action du fluor sur l'argon, 120.
Molecules, note on the motions of and within (Stoney), 177.
Murray (J. R. E.) and Lord Kelvin, on the temperature variation of the thermal conductivity of rocks, 162.

Obituary notices of Fellows deceased:—
Ball, Valentine, xlvii.
Carter, Henry John, liv.
Cayley, Arthur, i.
Dana, James Dwight, lvii.
Hulke, John Whitaker, xlix.
Rawlinson, Sir Henry Creswicke, xlv.
Oxygen and hydrogen, on the occlusion of, by platinum black. Part I (Mond, Ramsay, and Shields), 242.
Pearson (K.) note on regression and inheritance in the case of two parents, 240.
"Penguin," H.M.S., on the magnetical results of the voyage of (Creak), 220.
Platinum black, on the occlusion of oxygen and hydrogen by. Part I (Mond, Ramsay, and Shields), 242.
Pocklington (H. C.) the complete system of the periods of a hollow vortex ring, 155.
Polarisation of light in liquids, on the magnetic rotation of the plane of. Part I. Carbon bisulphide and water (Rodger and Watson), 234.
Power (William Henry) elected, 191.
—— admitted, 220.
INDEX.

Spectra from Swedish Bessemer works (Lundström), 259.
———— remarks on the origin of some of the lines and bands observed in the (Hartley), 259.
Spectrum of helium, on a gas showing the. Preliminary note (Ramsay), 65.
Starlight, the electrical measurement of (Minchin), 142.
Stoney (G. J.) note on the motions of and within molecules, and on the significance of the ratio of the two specific heats in gases, 177.
Strains, on the measurement of small, in the testing of materials and structures (Ewing), 123.
Sun, note on the temperature of the (Wilson and Gray), 24.

Thermal conductivity of rocks, on the temperature variation of the (Kelvin and Murray), 162.
Thomson (J. J.) on the electrolysis of gases, 244.
Tillie (J.) and T. R. Fraser, Acokanthera Schimperi: its natural history, chemistry, and pharmacology, 70.

Uraninite, on the new gas obtained from (Lockyer), 67; second note, 113; third note, 116; fourth note, 192; fifth note, 193.

Vertebral column of Amphibia and Amniota, on the evolution of the (Gadow), 257.
Vortex ring, the complete system of the periods of a hollow (Pocklington), 155.

Walker (J. T.) India's contribution to geodesy, 157.

Ward (H. M.) and P. F. Frankland, fourth report to the Water Research Committee of the Royal Society.—On the biology of Bacillus ramosus (Fraenkel), a Schizomyeete of the River Thames (Ward), 265.
Water at temperatures between 0° and 10°, on the refractive index of (Conroy), 228.

Water Research Committee of the Royal Society, fourth report to the (Frankland and Ward).—On the biology of Bacillus ramosus (Fraenkel), a Schizomyeete of the River Thames (Ward), 265.

Watson (W.) and J. W. Rodger, on

Present, lists of, 74, 103, 122, 159, 188, 217, 260.
Protozoa, an attempt to cultivate parasitic (Shatock and Ballance), 103, 469.
Purdie (Thomas) elected, 191.

Ramsay (W.) helium, a gaseous constituent of certain minerals. Part I, 81.
——— on a gas showing the spectrum of helium, the reputed cause of D₂ one of the lines in the coronal spectrum. Preliminary note, 65.
Rawlinson (Sir Henry Creswicke) obituary notice of, xlv.
Refractive index of water at temperatures between 0° and 10°, on the (Conroy), 228.
Regression and inheritance in the case of two parents, note on (Pearson), 240.
Rocks, on the temperature variation of the thermal conductivity of (Kelvin and Murray), 162.
Rodger (J. W.) and W. Watson, on the magnetic rotation of the plane of polarisation of light in liquids. Part I. Carbon bisulphide and water, 234.
Routh (E. J.) theorems on the attraction of ellipsoids for certain laws of force other than the inverse square, 215.
Russell (J. S. R.) the influence of the cerebral cortex on the larynx, 237.

Saxe-Coburg-Gotha (Duke of) admitted, 192.
Scott (D. H.) and W. C. Williamson, further observations on the organisation of the fossil plants of the coal-measures. Part III. Lycinodendron and Heterangium, 195.
Sensory impressions and sensory centres, note on the relations of, to voluntary movements (Bastian), 89.
Shatock (S. G.) and C. A. Ballance, an attempt to cultivate parasitic protozoa from malignant tumours, vaccinia, molluscum contagiosum, and certain normal tissues, together with infection experiments carried out with the culture media, and a note on the treatment of cancer, 103, 469.
INDEX.


ERRATA.

Vol. LVII.

On page 369, in the figure, for the right-hand letter B, read E.
On page 370, for $E_4$ read $H_4$.

'' $ABEC$ $ADHE$.

'' $DG$ $BC$.

'' $FG$ $KC$.

'' $EF$ $HK$.

Vol. LVIII.

Page 239, line 18 from bottom, for ether read absolute alcohol.

END OF FIFTY-EIGHTH VOLUME.