

INDEX TO VOLUME CXXI (B)

- Ainiktozoon loganense*, an anomalous fossil organism (Scourfield), 533.
Armillaria mellea, observations on parasitism and control of (Leach), 561.
Armstrong (J. I.) See Gregory and Armstrong.
Atkins (W. R. G.) and Poole (H. H.) Photoelectric measurements of the luminous efficiency of daylight, 1.
Atkins (W. R. G.), Poole (H. H.), and Stanbury (F. A.) The measurement of the intensity and the colour of the light in woods by means of emission and rectifier photoelectric cells, 427.
Barrington (E. J. W.) Proteolytic digestion and the problem of the pancreas in the ammocoete larvae of *Lampetra planeri*, 221.
Baumann (C. A.) See Stare and Baumann.
Bragg (Sir William) Address of the President at the Anniversary Meeting, 30 November, 1936, 396.
Catalase haematin, some properties of (Keilin and Hartree), 174.
Chlorella vulgaris, growth of, in pure culture (Pearsall and Loose), 451.
Choline-esterase, absolute activity of (Easson and Stedman), 142.
Chromosome behaviour in ferret and mole during anoestrus (Koller), 192.
Chromosomes, external mechanics of (Darlington), 264.
Clark (A. J.) Discussion on the chemical and physical basis of pharmacological action, 12 November, 1936, 580.
Cook (J. W.), Dodds (E. C.), and Lawson (W.) Further observations on the oestrogenic activity of synthetic polycyclic compounds, 133.
Crawford (B. H.) The dependence of pupil size upon external light stimulus under static and variable conditions, 376.
Cushing (H.) See Thompson and Cushing.
Darlington (C. D.) The external mechanics of the chromosomes, 264.
Daylight, photoelectric measurements of the luminous efficiency of (Atkins and Poole), 1.
Discussion on pharmacological action (Clark), 580.
Discussion on the theory of natural selection (Watson), 43.
Dodds (E. C.) See Cook, Dodds, and Lawson.
Easson (L. H.) and Stedman (E.) The absolute activity of choline-esterase, 142.
Ferret, chromosome behaviour in, during anoestrus (Koller), 192.
Fumarate, effect of, on respiration (Stare and Baumann), 338.
Galium, anthraquinone pigments in (Hill and Richter), 547.
Gregory (F. G.) and Armstrong (J. I.) The diffusion porometer, 27.
Hartree (E. F.) See Keilin and Hartree.
Hayes (F. R.) and Ross (D. M.) A quantitative study of the total fat content of developing salmon eggs, 358.
Hearing in insects (Pumphrey and Rawdon-Smith), 18.

- Hill (A. V.), Katz (B.), and Solandt (D. Y.) Nerve excitation by alternating current, 74.
- Hill (R.) and Richter (D.) Anthraquinone pigments in *Galium*, 547.
- Hormones, pituitary, inhibition of, by animal sera (Thompson and Cushing), 501.
- Hydrocarbons, absorption spectra of aromatic (Abstract) (Mayneord and Roe), 610.
- Insects, hearing in (Pumphrey and Rawdon-Smith), 18.
- Katz (B.) See Hill, Katz, and Solandt.
- Keilin (D.) The action of sodium azide on cellular respiration and on some catalytic oxidation reactions, 165.
- Keilin (D.) and Hartree (E. F.) On some properties of catalase haematin, 174.
- Klein (M.) and Parkes (A. S.) The progesterone-like action of testosterone and certain related compounds, 574.
- Koller (P. C.) Chromosome behaviour in the male ferret and mole during anoestrus, 192.
- Lawson (W.) See Cook, Dodds, and Lawson.
- Leach (R.) Observations on the parasitism and control of *Armillaria mellea*, 561.
- Light, measurement of intensity and colour, in woods (Atkins, Poole, and Stanbury), 427.
- Loose (L.) See Pearsall and Loose.
- MacGregor (A. G.) Royal Society Expedition to Montserrat, B.W.I.: preliminary report on the geology of Montserrat, 232.
- Mayneord (W. V.) and Roe (E. M. F.) Ultra-violet absorption spectra of some complex aromatic hydrocarbons (Abstract), 610.
- Mitosis, mechanics of, in pollen-tube of *Tulipa* (Upcott), 207.
- Mole, chromosome behaviour in, during anoestrus (Koller), 192.
- Montserrat, geology of (MacGregor), 232.
- Natural selection, discussion on theory of (Watson), 43.
- Nerve excitation by alternating current (Hill, Katz, and Solandt), 74.
- Nerve fibres, structure of, in crustacea (Young), 319.
- Oestrogenic activity of synthetic polycyclic compounds (Cook, Dodds, and Lawson), 133.
- Parkes (A. S.) See Klein and Parkes.
- Pearsall (W. H.) and Loose (L.) The growth of *Chlorella vulgaris* in pure culture, 451.
- Perdrau (J. R.) and Todd (C.) The relation of pathogenic viruses to the cells of their hosts, 253.
- Pharmacological action, discussion on (Clark), 580.
- Pollen-tube of *Tulipa*, mitosis in (Upcott), 207.
- Poole (H. H.) See Atkins and Poole.
- Poole (H. H.) See Atkins, Poole, and Stanbury.
- Porometer, the diffusion (Gregory and Armstrong), 27.
- President's Address (Bragg), 396.
- Proteolytic digestion in *Lampetra planeri* (Barrington), 221.
- Pumphrey (R. J.) and Rawdon-Smith (A. F.) Hearing in insects: the nature of the response of certain receptors to auditory stimuli, 18.
- Pupil size, dependence upon external light (Crawford), 376.

- Rawdon-Smith (A. F.) *See* Pumphrey and Rawdon-Smith.
 Respiration, cellular, action of sodium azide on (Keilin), 165.
 Respiration, effect of fumarate on (Stare and Baumann), 338.
 Richter (D.) *See* Hill and Richter.
 Roe (E. M. F.) *See* Maynard and Roe.
 Ross (D. M.) *See* Hayes and Ross.
 Rowlands (I. W.) The effect of anti-gonadotropic serum on the reproductive organs of the normal animal, 517.
- Salmon eggs, fat content of, developing (Hayes and Ross), 358.
 Scourfield (D. J.) An anomalous fossil organism, possibly a new type of chordate, from the Upper Silurian of Lesmahagow, Lanarkshire—*Ainiktozoon loganense*, gen. et sp. nov., 533.
 Serum, anti-gonadotropic, effect of (Rowlands), 517.
 Solandt (D. Y.) *See* Hill, Katz, and Solandt.
 Stanbury (F. A.) *See* Atkins, Poole, and Stanbury.
 Stare (F. J.) and Baumann (C. A.) The effect of fumarate on respiration, 338.
 Stedman (E.) *See* Easson and Stedman.
- Testosterone, progesterone-like action of (Klein and Parkes), 574.
 Thompson (K. W.) and Cushing (H.) Inhibition of action of pituitary hormones by animal sera, 501.
 Todd (C.) *See* Perdrau and Todd.
- Upcott (M.) The mechanics of mitosis in the pollen-tube of *Tulipa*, 207.
 Viruses, pathogenic, relations of, to the cells of their hosts (Perdrau and Todd), 253.
 Watson (D. M. S.) A discussion on the present state of the theory of natural selection, 43.
 Woods, measurement of light in (Atkins, Poole, and Stanbury), 427.
 Young (J. Z.) The structure of nerve fibres in cephalopods and crustacea, 319.

END OF THE ONE HUNDRED AND TWENTY-FIRST VOLUME (SERIES B)
