

Sewage Treatment, Prof. Dunbar, translated by Dr. H. T. Calvert, illustrated; Hydrographic Surveying: for the Use of Beginners, Amateurs, and Port and Harbour Masters, Commander S. Messum, R.N., illustrated; Theodolite Surveying and Levelling, Prof. J. Park, illustrated. *Longmans and Co.*—Design in Nature: Illustrated by Spiral and other Arrangements in the Inorganic and Organic Kingdoms as exemplified in Matter, Force, Life, Growth Rhythms, Prof. J. B. Pettigrew, 3 vols., illustrated, vol. i.; Principles of Logic, Prof. G. H. Joyce. *Macmillan and Co., Ltd.*—Earthwork of England: Prehistoric, Roman, Saxon, Danish, Norman, and Mediæval, A. H. Allcroft, illustrated; Origin and Development of the Moral Ideas, Dr. E. Westermarck, 2 vols., vol. ii. *Milner and Co., Ltd.*—Psychical Research, F. Podmore. *John Murray.*—Hydrographical Surveying: a Description of the Means and Methods Employed in Constructing Marine Charts, the late Rear-Admiral Sir W. J. L. Wharton, K.C.B., F.R.S., new edition, revised by Rear-Admiral Mostyn Field, illustrated. *Kegan Paul and Co., Ltd.*—Milk Analysis: a Practical Treatise on the Examination of Milk and its Derivatives—Cream, Butter, and Cheese, J. A. Wanklyn, new edition, by W. J. Cooper. *Sir I. Pitman and Sons, Ltd.*—Notes of Lessons on Hygiene and Temperance, Mrs. E. H. Chadwick, introduction by Prof. G. Sims Woodhead, vol. ii.; The Teacher's Course of Elementary Science, F. Belton, Part i., Physics and Chemistry; Part ii., Plant Life. *Swan Sonnenschein and Co., Ltd.*—Thought and Things: a Study of the Development and Meaning of Thought or Genetic Logic, Prof. J. M. Baldwin, 3 vols., vol. iii., Real Logic; Outlines of Psychology, Dr. O. Külpe, translated under the supervision of Prof. E. B. Titchener, a new edition; Physiological Psychology, Prof. W. Wundt, a translation of the fifth and wholly re-written German edition by Prof. E. B. Titchener, in 3 vols., vol. ii., illustrated; Bushman Folklore, L. C. Lloyd, edited by Dr. G. M. Theal, illustrated. *The University Tutorial Press, Ltd.*—Principles and Methods of Physical Education and Hygiene, W. P. Weldon; The Science of Speech: an Elementary Manual of Phonetics for Teachers, B. Dumville. *T. Fisher Unwin.*—Prehistoric Rhodesia: an Examination of the Ethnological and Archaeological Evidences as to the Origin and Age of the Rock Mines and Stone Buildings, with a Gazetteer of Mediæval South-East Africa, R. N. Hall, illustrated. *Whittaker and Co.*—Artificial and Natural Flight, Sir H. Maxim, illustrated.

#### UNIVERSITY AND EDUCATIONAL INTELLIGENCE.

CAMBRIDGE.—At Emmanuel College research studentships have been awarded to members of the college as follows:—150*l.*, T. H. Laby; 140*l.*, R. D. Kleeman; 100*l.*, H. S. Tasker.

Mr. A. R. Brown, who recently returned from the Andaman Islands, where he spent two dry seasons in studying the sociology, psychology, and religion of the pigmy inhabitants, was elected on Monday to a fellowship at Trinity College in recognition of his investigations.

In connection with the visit of the members of the Congress of Electrical Units to Cambridge on Saturday next, it is proposed to confer degrees of Doctor of Science, *honoris causa*, upon Prof. S. A. Arrhenius, Prof. G. Lippmann, Dr. S. W. Stratton, and Dr. E. G. Warburg.

Prof. Bateson will deliver an inaugural lecture in the botanical lecture-room on Friday, October 23, at 5 p.m., on "The Methods and Scope of Genetics."

Mr. G. H. Hardy, of Trinity College, and Mr. J. M. Dodds, of Peterhouse, have been nominated moderators for the year beginning May 1, 1909. Mr. A. Berry, of King's College, and Mr. G. Birtwistle, of Pembroke College, have been appointed examiners for the mathematical tripos, part i. (old regulations), for the same period.

A Grace, gratefully acknowledging the munificent gift to the University by Prof. Liveing of almost the whole of the apparatus and material belonging to him in the chemical laboratory, will be brought before the Senate to-day.

DR. CHARLES E. FAWSITT, Graham Young lecturer in metallurgical chemistry in the University of Glasgow, has been appointed professor of chemistry in the University of Sydney, N.S.W.

IN addition to the usual course of Hunterian and other lectures to be delivered during the present winter session, the council of the Royal College of Surgeons of England has arranged a series of demonstrations in the theatre of the college at which specimens from the museum will be shown and their bearing on general and surgical pathology discussed. The first demonstration of the series is to be given on Friday, October 16, at 5 p.m., by Dr. Arthur Keith. The demonstrations are open to all medical men and senior students on presentation of their cards.

ON October 7 Mr. Herbert L. Storey handed over to Lancaster the extensive buildings of the Storey Institute, which he has erected and equipped at a cost of 10,500*l.* The institute itself was the gift of the late Sir Thomas Storey, to commemorate the jubilee of the late Queen's reign. In the original building are housed the public library, art gallery, lecture theatre, and laboratories for science work. Some time ago the need for an extension was felt, and Mr. Storey offered to erect new buildings. These are now completed. The new buildings provide a workshop for manual training and a class-room for domestic science. Prof. Sadler, in an address at the ceremony, spoke of the signal value of the service which private benefactors like Mr. Herbert Storey render to public education by encouraging manual training for boys and the preparation of girls for their future duties as wives and mothers. He expressed the hope that by means of Mr. Storey's gift Lancaster may find it possible to establish a day continuation school for boys and girls of from thirteen to fifteen years of age, with a course of instruction designed to give preparation for skilled industry and for home duties.

#### SOCIETIES AND ACADEMIES.

LONDON.

**Royal Society**, May 21.—"On some Features in the Hereditary Transmission of the Albino Character and the Black Piebald Coat in Rats." Paper ii. By Geo. P. Mudge. Communicated by Prof. A. D. Waller.

These experiments show that albinos breed true to albinism, whether their ancestry is pigmented or not. They further show that, though externally albinos may appear to be identical with regard to their coat characters, in reality they may be different, and that some exhibit the "ghost" of the self pattern and others that of the piebald pattern. It has been previously known for both animals and plants that some albinos carry certain colour and pattern factors, while others carry different ones, but this difference has hitherto been elucidated by means of breeding tests alone. These experiments add an ocular demonstration of the actual presence of the coat-pattern in albinos. The interpretation placed upon the coat appearances in these albinos is corroborated by the breeding results.

It is further shown that when a piebald black rat (Cr 5) is mated with one of a similar type, two classes of offspring may be obtained. One of these contains all black piebalds and the other a mixture of black piebalds and albinos in nearly equal numbers.

When a piebald black rat is mated with an albino (=Cr 5 × Cr 4), it may be said that, so far as these experiments have gone, five different results will be obtained. They may be stated as follows: (1) The offspring may be all black piebalds. (2) They may be a mixture of black piebalds and albinos. (3) They may be all "Irish" forms (=a black self-coloured form). (4) They may be a mixture of albinos, black piebalds, and "Irish." (5) They may contain albinos, "Irish," and a grey form (=Cr 2). It can be shown that the divergency of the results obtained when two individuals apparently similar are mated is due to the gametic nature of the albino employed.

June 24.—"Preliminary Account of the Habits and Structure of the Anaspidiidæ, with Remarks on some other Fresh-water Crustacea from Tasmania." By Geoffrey Smith.