

tion" which has in the past too often been attributed to Cambridge University.

LONDON.—Mr. William Neilson-Jones has been appointed as from May 1 next to the University chair of botany tenable at Bedford College. Mr. Neilson-Jones was foundation scholar of Emmanuel College, Cambridge, and obtained a first class in part i. of the Natural Sciences Tripos and a second class in part ii. (Botany). He has carried out research work at Cambridge and for the Health of Munition Workers Committee of the Medical Research Committee. In 1909 Mr. Neilson-Jones was appointed lecturer in botany at University College, Reading, and in 1913 assistant lecturer in botany at Bedford College; since 1916 he has been head of the department at this college.

It has been resolved by the Senate that the following posts should be established in connection with the recent benefaction of 150,000*l.* made by the Sir Ernest Cassel Trustees:—(1) Sir Ernest Cassel chairs of accountancy and business methods, of commercial and industrial law, and of banking and currency; (2) three Sir Ernest Cassel readerships in commerce, dealing specially with (a) foreign trade, (b) the organisation of industry and trade in the United Kingdom, and (c) the influence of tariffs and taxation respectively; and (3) three University lectureships in commerce, with special reference to commercial geography, business methods, and transport respectively.

An offer from the Worshipful Company of Vintners to provide, for a period of five years in the first instance, two scholarships, each of the annual value of 150*l.*, for students for the degree in commerce has been accepted by the Senate with thanks. The thanks of the Senate have also been accorded to the relatives of the late Capt. G. D. Harvey-Webb, formerly of University College, for their gift of his collection of shells for the department of zoology at that college; and to Prof. Graham Wallas for his gift of another collection of shells for the same department to supplement that of Capt. Harvey-Webb.

The following doctorates have been conferred:—*D.Sc.*: Mr. F. J. North, an external student, for a thesis entitled "On Syringothyris, Winchell, and Certain Carboniferous Brachiopoda referred to Spiriferina, d'Orbigny." *D.Sc. (Economics)*: The Rev. A. W. Parry, an external student, for a thesis entitled "Education in England in the Middle Ages."

Keddy Fletcher-Warr studentships, each of the value of 300*l.* a year for three years, have been awarded to Dr. Agnes Arber, for post-graduate research in botany, and to Miss Margaret McFarlane, for post-graduate research in psychology. These studentships were established under the benefaction founded by Mrs. du Puy Fletcher.

The annual report of University College has just been issued. The total number of students for the session 1918-19 was 2048, an increase of 977 on the previous year. This increase took place after the armistice, and mainly in January, 1919, and consisted almost exclusively of ex-Service men. The total revenue of the college for the year 1918-19 was 75,781*l.*, of which 26,304*l.* was from fees. The total expenditure was 77,824*l.*, causing a deficit of 2210*l.* This deficit arises from the increase in salaries that has become necessary, and generally from the increased cost of running the college. The report contains a summary of the main work of the year. The new departments of Scandinavian studies and of Dutch studies have already made a good start. The new school of librarianship, which has been instituted with money provided by the Carnegie Trust, and of which

Sir Frederic Kenyon is the honorary visitor, began with an enrolment of eighty-eight students. The student body included 253 post-graduate and research workers. The fifth appendix of the report gives a list of the papers and publications issued by them during the past year. Nine new fellows are elected to the college biennially. The list for this year is remarkable in that it includes the first Chinaman to be elected to the fellowship and two distinguished members of the Slade School of Fine Art. The full list of fellows is as follows:—F. J. Fitzmaurice Barington, W. C. Clinton, Ethel M. Elderton, Brig.-Gen. Sir Alexander Gibb, his Excellency Yuen Hsu, Augustus E. John, Major Sir William Orpen, Dr. T. H. C. Stevenson, and Dr. Ethel N. Thomas.

MANCHESTER.—In connection with the Ellis Llwyd Jones lectureship for training teachers of the deaf recently established at the University through the benefaction of Sir James E. Jones, the Carnegie United Kingdom Trust has granted to the University the sum of 2500*l.* for the foundation and maintenance of a library for deaf education. It is intended to make this library as comprehensive as possible, and to include in it works dealing with the various systems of teaching the deaf, speech training, psychology of speech and of hearing, phonetics, acoustics, anatomy, physiology, and diseases of the ear. The books are to be available to all individuals, societies, and institutions throughout the United Kingdom interested or concerned in the education and training of the deaf, and they will be ready for consultation and borrowing immediately after Easter. No charge beyond the cost of carriage is to be made for the loan of books; but intending borrowers will be required to fill in a form of application to be obtained from the Librarian, Library for Deaf Education, The University, Manchester.

OXFORD.—The Romanes lecture for 1920 will be delivered by the Very Rev. W. R. Inge, honorary fellow of Hertford College, Dean of St. Paul's, on Thursday, May 27. The subject will be "The Idea of Progress."

Societies and Academies.

LONDON.

Aristotelian Society, March 8.—Prof. Wildon Carr in the chair.—**M. Ginsberg**: Is there a general will? The term "general will" has been used in many different senses. Especially important are the view of Wundt based on an analysis of the mutual implications of presentation and will, and leading to a theory of a series of will-unities of varied complexity, and the doctrine of a "real" will worked out by Prof. Bosanquet and other idealists. All the theories, in varying degrees, involve a confusion between the act of willing, which must always be individual, and the object of will, which may be common. Prof. Bosanquet's view in particular is based upon a hypostatization of contents, and a tendency to deny the reality of acts, of experience. Generally, in so far as the psychological forces operative in society are general they are not will, and in so far as there is present self-conscious volition it is not general. The State and other associations exhibit a kind of unity, but this unity is a relation based on community of ideals and purposes, and must not be spoken of as a person or will. For the purpose of social theory, what is required is not a common self, but a common good. The latter is an ideal and not an existent, and must not be identified with a general will.

Mineralogical Society, March 16.—Sir William P. Beale, Bart., president, in the chair.—A. Russell: The occurrence of cotunnite, anglesite, leadhillite, and galena on fused lead from the wreck of the fireship *Firebrand*, Falmouth Harbour, Cornwall. The specimens were obtained in 1846 from the wreck of the fireship *Firebrand*, which was burnt in Falmouth Harbour about the year 1780. They were found under the lead pump, most of which appeared to have been melted and mixed with charcoal, and consist of slag-like masses of lead, which has evidently been fused, and upon the surface and interstices of which are numerous well-defined and brilliant crystals of cotunnite and anglesite, and more rarely small crystals of leadhillite and galena. The cotunnite crystals, which are colourless and transparent, with brilliant faces, are nearly always elongated in the direction of the a axis, and attain a length of 3 mm. The habit is somewhat variable owing to the very unequal development of the faces. The forms observed were 010, 001, 021, 011, 012, 101, 111, and 112. The anglesite crystals are of rectangular habit, and exhibit the forms 100, 001, 110, 102, 122, and 113. The leadhillite crystals, thin six-sided plates in shape, are of a brown colour, and show the forms 101, 201, $\bar{1}01$, $\bar{2}01$, 112, 111, $\bar{1}12$ and $\bar{1}11$. The galena occurs in minute cubo-octahedra. An occurrence of cotunnite formed under almost exactly similar conditions has been described by A. Lacroix. Similar occurrences of lead oxychlorides at Laurium and of leadhillite in Roman slags from the Mendip Hills were referred to.—W. Campbell Smith: Riebeckite-rhyolite from North Kordofan, Sudan. A rock found by Dr. C. G. Seligman at the base of Jebel Katul, 350 miles south-west of the Bayuda volcanic field, was described.—Dr. G. T. Prior: The meteoric iron of Mount Ayliff, Griqualand East, South Africa. This meteoric iron, found about 1907, is a coarse octahedrite similar in character to Wichita County (Brazos River) and Magura (Arva). On polished and etched surfaces it shows nodules of graphite and troilite, and abundant cohenite crystals arranged parallel to the octahedral bands. It contains about 7 per cent. of nickel.

Books Received.

British Antarctic Expedition, 1910-1913. Meteorology, vol. i., Discussion, by Dr. G. C. Simpson. Pp. x+326+v plates. Vol. ii., Weather Maps and Pressure Curves, by Dr. G. C. Simpson. Pp. 138+23 plates. (Calcutta: Thacker, Spink, and Co.)

The Theory of Determinants in the Historical Order of Development. By Sir Thomas Muir. Vol. iii.: The Period 1861 to 1880. Pp. xxvi+503. (London: Macmillan and Co., Ltd.) 35s. net.

Inbreeding and Outbreeding: Their Genetics and Sociological Significance. By Drs. E. M. East and D. F. Jones. Pp. 285. (Philadelphia and London: J. B. Lippincott Co.) 10s. 6d. net.

The Physical Basis of Heredity. By Prof. T. H. Morgan. Pp. 305. (Philadelphia and London: J. B. Lippincott Co.) 10s. 6d. net.

Psychology from the Standpoint of a Behaviorist. By Prof. J. B. Watson. Pp. xiii+429. (Philadelphia and London: J. B. Lippincott Co.) 10s. 6d. net.

The Theory and Practice of Aeroplane Design. By S. T. G. Andrews and S. F. Benson. Pp. xii+454. (London: Chapman and Hall, Ltd.) 15s. 6d. net.

Science and Theology: Their Common Aims and Methods. By F. W. Westaway. Pp. xiii+346. (London: Blackie and Son, Ltd.) 15s. net.

Monarch: The Big Bear of Tallac. By E. Thompson Seton. Pp. 215. (London: Constable and Co., Ltd.) 7s. 6d. net.

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Animal Heroes. By E. Thompson Seton. Pp. 363. (London: Constable and Co., Ltd.) 8s. 6d. net.

Farm Management. By J. H. Arnold. Pp. vii+243. (New York: The Macmillan Co.; London: Macmillan and Co., Ltd.) 7s. 6d. net.

Cement. By B. Blount. Assisted by W. H. Woodcock and H. J. Gillett. Pp. xii+284. (London: Longmans and Co.) 18s. net.

Diary of Societies.

TUESDAY, APRIL 6.
RÖNTGEN SOCIETY (at Medical Society of London), at 8.15.

WEDNESDAY, APRIL 7.
ROYAL UNITED SERVICE INSTITUTION, at 3.—Lieut. W. S. King-Hall: The Submarine and Future Naval Warfare.
SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS (at Chemical Society), at 8.

THURSDAY, APRIL 8.
OPTICAL SOCIETY, at 7.30.
INSTITUTION OF AUTOMOBILE ENGINEERS (Graduates Section), (at 28, Victoria Street), at 8.—W. D. Pile: The Use of Benzol.

FRIDAY, APRIL 9.
ROYAL ASTRONOMICAL SOCIETY, at 5.
CONCRETE INSTITUTE, at 6.—T. J. Clark: The Uses of Concrete.
MALACOLOGICAL SOCIETY OF LONDON (at Linnean Society), at 6.
INSTITUTION OF MECHANICAL ENGINEERS (Informal Meeting), at 7.—C. H. Woodfield and Others: Discussion on Cranes: Their Use and Abuse.

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