

Birthdays and Research Centres.

Aug. 13, 1872.—Prof. RICHARD WILLSTÄTTER, For.Mem.R.S., professor of chemistry in the University of Munich.

In recent years I have been occupied chiefly with such different things as silicic acid, that is true monosilicic acid, and with the enzymes of leucocytes. With regard to these, I began with studying the protein-splitting enzymes, trypsin and kathepsin, their occurrence and behaviour in the colourless blood-cells of herbivores and carnivores. At the present time I am engaged in analysing the glycogen-splitting enzyme of leucocytes. Concerning the peculiarities of amylase, it is surprising how much information can be obtained from observations with blood-cells. In the muscle, where the metabolism of carbohydrates is being studied so thoroughly, things must be so much more intricate.

In connexion with my problem I should like to raise a question. Is it to be taken for granted that glands are producing enzymes, or are they disintegrating the blood-cells and selecting and storing the enzymes?

Aug. 14, 1861.—Sir RICHARD THRELFALL, G.B.E., F.R.S., chairman of the Fuel Research Board.

I regret that for the past year my health has not permitted me to live continuously in England, and consequently the amount of work I have been able to do has been but small. My main occupation has been the investigation of the decolorising power of charcoal which has been activated by partial combustion in sulphur vapour, and I am looking forward to continuing this work as soon as my health permits me to do so.

I have also had on hand for several years the study of a gravity balance (Threlfall and Pollock, *Phil. Trans.*, 1899), with the assistance of Mr. Dawson. This instrument gave very promising results in Australia so far back as 1898, but there are indications that, after more than thirty years, some slipping is beginning to take place at the joints where quartz is soldered to metal. There is, however, another possibility which I am now investigating, but in the meantime the behaviour of the instrument has become unsatisfactory.

I am also engaged in attempting to bring out a new edition of a small book on "Laboratory Arts" which I published during the 'nineties, and which now, of course, requires very copious revision. The proposed changes are mostly in MS., but I am unfortunately short of the kind of assistance required to enable me to get it through the press.

Aug. 15, 1871.—Prof. G. ELLIOT SMITH, F.R.S., professor of anatomy in University College, London.

The results achieved by recent research in comparative neurology now for the first time open the way for a comprehensive synthesis of our knowledge of the brain, and suggest the possibility of new and fruitful methods of studying the factors which were responsible for the attainment of the growing powers of skill and understanding in vertebrates and the making of the mind in man. If this great scheme of research is to be realised, the most urgent need is the correlation of the information acquired by comparative anatomy and physiology, by clinical investigation and experimental psychology, as well as by palaeontology and anthropology, with properly critical attention to considerations of phylogeny and chronology, so as to define the means whereby the drastic revolutions which occurred in the central nervous system—and, in fact, the whole organism—when each of the

different classes of vertebrates came into being, made possible new modes of locomotion and new possibilities of behaviour, and how the refinement of sensory discrimination eventually made the acquisition of higher degrees of skill attainable.

My aim at the present time is the study of the means whereby these general biological principles found expression in the process of conferring upon man's ancestors the higher powers of understanding and skill which transformed them into men.

Societies and Academies.

PARIS.

Academy of Sciences, June 15.—Adolphe Lindenbaum: Regulated ensembles.—Francesco Severi: Bi-harmonic functions and the theory of analytical functions of two complex variables.—Gaston Julia: Conformal representation of multiple associated areas.—Gr. C. Moisl: The use of generalised vector potentials in the integration of a class of partial differential equations.—R. Gosse: Equations $s=f(x, y, z, p, q)$ which admit of an invariant of the second order.—G. Cerf: The characters of systems in involution of partial differential equations.—S. Mazurkiewicz: The problem of Lusin.—F. E. Myard: Closed chains with five rotoid couples deformable at the first degree of freedom.—E. Chausse and J. Baubiach: The secondary vortices produced below an obstacle immersed in a liquid.—Fernand Baldet: The Raffety bands and the spectra of comets. The radiations from the nuclei of comets cannot be identified with the Raffety bands given by the flame of an oxyacetylene blowpipe.—Ch. Racine: Contribution to the study of the static problem in the theory of relativity.—L. Goldstein: The application of quantic mechanics to chemical kinetics. Maurice Robert: Application of the oxymetal rectifier to the measurements of the maximum potential difference.—Stanislas Teszner: Recording mobile waves with a modified Dufour cathode ray oscillograph.—Louis Leprince-Ringuet: Relation between the path of a rapid proton in air and the ionisation which it produces. Application to the study of the artificial disintegration of the elements.—F. Margand: The damping of the oscillations of polyphase synchronised machines in the theory of two reactions.—Georges Fournier: The translation of light intensities into sound intensities. By means of the apparatus described, by listening at a telephone a blind person can distinguish the position of a window or source of light, the surface occupied on a table by a sheet of white paper, and other phenomena of light.—P. Waguet, A. Stampa, and J. Dourgnon: The rôle of irregularities of the profile of reflectors for motor car projectors and their photographic control.—Daniel Chalonge: The variations of the energy distribution in the continuous spectrum of molecular hydrogen.—Henri Grenat: The identification of the Raffety spectrum.—Marcel Laporte: The chemical reactions of ionised gases. The synthesis of nitric acid.—Cazaud: The influence of the magnitude of the micrographic grain on the resistance to fatigue of mild steel. The effects of cold-hardening, of annealing, and of overheating.—Marcel Godchot and Mlle. G. Cauquil: The viscosities, surface tensions, and parachors of some cyclo-hydrocarbons.—A. Portevin and A. Sanfourche: The attack of the common metals by solutions of phosphoric acid. Twelve metals were submitted to the attack of solutions of phosphoric acid of different origin and of varying concentrations. The results are given in a diagram.—L. Bert: The action of 1, 3-dichloropropene on the sodium phenols.—P. Carré and P. Maucière: The transformation of the polyatomic alcohols into

mono- and polychlorhydrins by means of thionyl chloride.—E. Calvet: Velocities and heats of saponification of the amides. The heats of saponification of the amides of the fatty series vary but little from one term to the next, but the saponification velocities vary rapidly, especially for the first terms.—Lespieau and Reginald L. Wakeman: The preparation of the trimethylene hydrocarbons: 1-methyl-2-propylcyclopropane. Starting with β -bromopropaldehyde, methylpropyltrimethylene has been prepared free from its ethylene isomer, as shown by its Raman spectrum.—Raymond Paul: Some derivatives of 1, 4, 5-pentane triol.—Paul Gaubert: The diffraction rings produced by spherulites with helicoidal structure.—Robert Lami: The saline heterogeneity of rock pools on the sea coast during rain.—A. Guilliermond: New researches on the microchemical characters and the mode of cytological formation of the anthocyanin pigments.—Henri Coupin: An unrecognised factor of the momentary variation of plants.—A. Ch. Hollande and Mme. G. Hollande: Cytological study of the different stages of the Eberth bacillus (*Bacterium typhi*).—Charles Richet, Jr., and Jean Dublineau: The effects of the puncture of the fourth ventricle on the combustion of protein materials.—Fernand Mercier and Léon J. Mercier: A new sparteine salt, neutral sparteine valerianate.—G. Champetier: The formation of the alkali celluloses.—P. Carneiro and W. Kopaczewski: The nature and specificity of antigens. The experiments described lead to the conclusion that immunity appears to be an electrocapillary phenomenon.—A. Trillat: Experiment on infection by air. The case of chicken cholera. The practical conclusion from the results obtained by the author is that chicken cholera can be transmitted by the air, especially confined air: hence poultry houses should be well ventilated in order to free them from the moisture accompanying the gaseous products of respiration.—C. Levaditi, P. Ravaut, P. Lépine, and Mlle. R. Schoen: The affinity of a virus isolated from inguinal granulomatosis (Nicolas and Favre's disease) for the lymphatic system of the ape.

CRACOW.

Polish Academy of Science and Letters, March 20.—G. Bouligand: An application of the paratangent to a problem of superficial measurement.—Mlle. M. Charpentier: A topological problem arising out of the theory of the differential equations $\dot{y}=f(x, y)$.—S. K. Zarembo: The trend of the integrals of an ordinary differential equation of the first order in the neighbourhood of the singular integral supposed to exist.—L. Infeld: The constitution of the wave associated with free electrons.—W. Kessel: The complexity of the resonance spectrum of selenium vapour.—M. Kamiński: Researches concerning the movement of the periodic comet, Wolf I. Part 12. Disturbances of the path of the comet by Uranus from 1884 to 1919.—M. Centnerszwer and J. Szper: The electrolysis of fused alkaline nitrites. The products are nitrogen and alkaline oxide at the cathode, nitrate and a mixture of NO_2 and NO at the anode.—K. Dziewoński and J. Moszew: The synthesis of diethyl- α -acenaphthyl-diketone (α -dipropionylacenaphthene).—K. Dziewoński and J. Spierer: Syntheses and transformations of two diketones: $\alpha\alpha$ - and $\beta\beta$ -derivatives of acenaphthene.—K. Konior: The tectonic of the border of the Carpathians between Biala and Andrychów.—St. Macko: Two peat bogs in the neighbourhood of Zamość, studied by means of pollen analysis.—St. Maziarski: Genetic studies of the genus *Egilops*. The morphology and cytology of interspecific hybrids.—J. Jarocki: The Mycetozoa of Czarna Hora (Polish Eastern Carpathians).—J. Zaćwilichowski: The in-

nervation and the sensorial organs of the wings in insects (2).—F. Górski: The action of weak electric currents on chlorophyll assimilation in *Elodea canadensis*.—M. Konopacki: The micromorphology of the eggs and embryos of the frog (*Rana fusca*) submitted to centrifugation.

April 13.—G. Bouligand: The regular and positive solutions in the whole plane of the equation $\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} - u = 0$.

A. Rosenblatt: The movements adjacent to plane radial movements of incompressible viscous fluids.—G. Giraud: Certain non-linear problems of Neumann and certain non-linear mixed problems.—M. Centnerszwer and J. Szper: The electrolysis of fused sodium metaphosphate.—K. Dziewoński, Mlle. J. Krasowska, and Mlle. J. Schoenówna: Researches on the acenaphthene sulphonic acids.—R. Malachowski: The equilibrium in aqueous solutions of acetic acid.—Cz. Kuźniar: The origin of the mirabilite in the deposits of potassium salts at Holyn and at Siwka.—L. Marchlewski and A. Boryniec: The absorption of ultra-violet rays by certain organic substances.—J. Wlodek, C. Strzemieński, and E. Ralski: Researches on 'Czerwone Wierchy', Tatra and Bielsko soils in which mixed plant associations are developed.

GENEVA.

Society of Physics and Natural History, Mar. 19.—P. Rossier: The nature of Purkinje's phenomenon. In an earlier study, the author has shown that the intensity of the source and the acuteness of the maximum of the eye sensibility curve vary in the same sense. A more complete calculation enables the conclusion to be drawn that this variation of sensibility is insufficient to explain the observed phenomena: the known diminution of the wavelength of maximum sensibility with the intensity ought to be preserved.—Ed. Paréjas: Results of the Harvard University geological expedition in the Canadian Rockies (Jasper National Park), 1929. Note No. 3. The Trias of the Athabaska Valley. The Upper Trias (Norian to Pseudomonotis, cf. subcircularis) has been recognised in the valley of Vine Creek, a tributary of the Athabaska, to the north of Jasper. The underlying formations of Cold Sulphur Spring, Corral Creek, and Fiddle River, attributed to the Trias, are also marine. They have a pronounced detrital character marked by the abundance of the mica grit, the presence of conglomerates and of magnesian breccia of alpine type. The Trias of Jasper Park, about 200 metres in thickness, rests on the Rocky Mountain quartzite formation (Upper Palaeozoic).—E. Joukowsky: The phreatic sheet of Soral (Canton of Geneva). A well showed the following in section, from top to bottom: post-glacial deposits, 5 m.; Würmian end moraine, 20 m.; fluvio-glacial gravel, 10 m.; stratified clays and sand, 14 m.; fluvio-glacial gravel, 17 m. The water table was at a depth of 58.5 m. The thickness of the water-bearing layer is at present 9.3 metres. The variations of level recorded with the limnigraph during a month, show a direct relation with the pressure recorded on the barograph. Between February 1930 and March 1931 the level has risen more than two metres.

April H. 23.—Saini and J. Weiglé: A possible transformation of maleic acid into fumaric acid. The authors tried to see if a magnetic field could convert maleic acid into fumaric acid. The results of experiments in a magnetic field of intensity between 5000 gauss and 8000 gauss show that this transformation does not occur.—E. Briner, A. Demolis, H. Paillard: The ozonation of aldehydes and the theory

of active molecules. Studying this ozonation, the authors have proved an intense activating action exercised by the ozone on the molecules of oxygen. This action markedly increases the yield of oxidations carried out with ozone.—R. Wavre: From the human scale to the terrestrial scale. The author discusses a remark of Helmholtz which the Wegener hypothesis makes of current interest. He shows that the duration of certain phenomena of hydrodynamical order increases as the square of the dimensions. For example, the large but very slow currents in the midst of the terrestrial magma have quite well been able to last for millions of years, even although this magma were very viscous. Care is necessary in passing from the laboratory scale to the terrestrial scale.—G. Tiercy: Silvering telescope mirrors. The method of E. Schaer employed at the Geneva Observatory. The author describes the composition of the baths and gives the characteristics of the Schaer method adopted for silvering the Observatory mirrors.

Official Publications Received.

BRITISH.

- Proceedings of the Malacological Society of London. Edited by R. Winckworth. Vol. 19, Part 5, July. Pp. 219-253+plates 26-29. (London: Dulau and Co., Ltd.) 10s. net.
- Department of the Interior: North West Territories and Yukon Branch. Report of the Director of the North West Territories and Yukon Branch 1929-30. (Fiscal Year ended 31st March 1930.) Pp. 28. (Ottawa: F. A. Acland.)
- Proceedings of the Society for Psychical Research. Part 121, Vol. 40, July. Pp. 59-104. (London.) 4s.
- Memoirs of the Indian Meteorological Department. Vol. 25, Part 7: An Analysis of the Base Line Values of Autographic Instruments. By Dr. Sudhansu Kumar Banerji. Pp. 247-278. (Calcutta: Government of India Central Publication Branch.) 1.4 rupees; 2s.
- India: Meteorological Department. Scientific Notes, Vol. 3, No. 25: Heights of Base of Clouds in India as determined from Pilot Balloon Ascents. By the late M. V. Narayanan and M. P. Manna. Pp. 77-82. (Calcutta: Government of India Central Publication Branch.) 5 annas; 6d.
- Proceedings of the Edinburgh Mathematical Society. Series 2, Vol. 2, Part 4, June. Edited by Prof. H. W. Turnbull and Dr. E. T. Copson. Pp. 181-283. (London: G. Bell and Sons, Ltd.)
- Harper Adams Agricultural College, Newport, Shropshire. Report of the Advisory Department, 1930-1931. (Advisory Report No. 6.) Pp. 31. The Work of the Harper Adams Pig Feeding Experimental Station during 1930. By Dr. Charles Crowther. Pp. 7. (Newport.)
- Technical College, Bradford. Diploma and Special Day Courses, Session 1931-32. Pp. 232+19 plates. (Bradford.)
- The North of Scotland College of Agriculture. Guide to Experiments and Demonstration Plots at Craibstone, 1931. Pp. 58. Bulletin No. 37: A Disease-resisting Turnip. By Wm. M. Findlay. Pp. 12. (Edinburgh.)
- Indian Journal of Physics. Vol. 6, Part 1, and Proceedings of the Indian Association for the Cultivation of Science, Vol. 20, Part 1. Conducted by Sir C. V. Raman. Pp. 80. (Calcutta.) 1.8 rupees; 2s.
- Geological Survey Department: Tanganyika Territory. Short Paper No. 8: Some Salt Lakes of the Northern Rift Zone. By Douglas Orr and Dr. D. R. Grantham. Pp. 28. (Dar es Salaam: Government Printer.) 4s.
- Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1382 (Ae. 507—T. 2918): Some Cases of Flow of Compressible Fluids. By Prof. G. I. Taylor. Pp. 16+5 plates. (London: H.M. Stationery Office.) 1s. net.
- Eton College Natural History Society. Annual Report 1930-31. Pp. 106+12 plates. (Windsor.) 5s.
- (University of London): County Councils of Kent and Surrey. The Journal of the South-Eastern Agricultural College, Wye, Kent. (No. 28, 1931.) Edited for the College by Dr. S. Graham Brade-Birks. Pp. 313. (Wye.) 8s. 6d.; Residents in Kent and Surrey, 4s. 6d.
- Board of Education. Educational Pamphlets, No. 85 (Industry Series, No. 10): Report by H.M. Inspectors on the Provision of Instruction in Applied Chemistry in Technical Schools and Colleges in England and Wales. Pp. 55. (London: H.M. Stationery Office.) 1s. net.
- The Scientific Proceeding of the Royal Dublin Society. Vol. 20 (N.S.), No. 8: Award of the Boyle Medal to Sir John Purser Griffith. Pp. 85-87. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.)
- Experimental and Research Station, Nursery and Market Garden Industries' Development Society, Ltd., Turner's Hill, Cheshunt, Herts. Sixteenth Annual Report, 1930. Pp. 92. (Cheshunt.)
- British Museum (Natural History). Picture Post-cards. F32: British Trees—Holly. 2 cards in colour and 2 in monochrome. F33: British Trees—Larch. 2 cards in colour and 2 in monochrome. F34: British Trees—Hornbeam. 2 cards in colour and 2 in monochrome. F36: British Trees—Common Lims. 2 cards in colour and 2 in monochrome. F38: British Trees—Juniper. 2 cards in colour and 2 in monochrome. F44: British Trees—Aspen. 2 cards in colour and 2 in monochrome. F45: British Trees—Wild Service. 2 cards in colour and 2 in monochrome. F46: British Trees—Hawthorn. 2 cards in colour and 2 in monochrome. (London: British Museum (Natural History).) 6d. each set.

- University of Bristol. The Annual Report of the Agricultural and Horticultural Research Station (The National Fruit and Cider Institute), Long Ashton, Bristol, 1930. Pp. 231. (Bristol.)
- Joint Board of Research for Mental Diseases: City and University of Birmingham. Annual Report of the Laboratory for the Year ending March 14th, 1931. Pp. 10. (Birmingham.)
- Empire Cotton Growing Corporation. Report of the Executive Committee to be submitted to the Meeting of the Administrative Council on July 23rd, 1931. Pp. 10. (London.)
- The Scientific Proceedings of the Royal Dublin Society. Vol. 20 (N.S.), No. 9: A Study of Bacteria belonging to the Sub-genus *Aerobacter*. By M. Grimes and A. J. Hennerty. Pp. 89-97. (Dublin: Hodges, Figgis and Co.; London: Williams and Norgate, Ltd.) 6d.
- Norman Lockyer Observatory. Director's Annual Report, April 1, 1930-March 31, 1931. Pp. 8. (Sidmouth.)

FOREIGN.

- U.S. Department of Commerce: Bureau of Standards. Bureau of Standards Journal of Research. Vol. 6, No. 6, June, R.P. Nos. 314-328. Pp. 917-1158. (Washington, D.C.: Government Printing Office.)
- Smithsonian Miscellaneous Collections. Vol. 85, No. 3: Addenda to Descriptions of Burgess Shale Fossils. By Charles D. Walcott. (Publication 8117.) Pp. 46+23 plates. (Washington, D.C.: Smithsonian Institution.)
- U.S. Department of Commerce: Bureau of Standards. Research Paper No. 325: The Waidner-Burgess Standard of Light. By H. T. Wensel, Wm. F. Roeser, L. E. Barlow and F. R. Caldwell. Pp. 1109-1117. (Washington, D.C.: Government Printing Office.) 5 cents.
- The Memoirs of the Imperial Marine Observatory, Kobe, Japan. Vol. 4, No. 2, February. Pp. 53-226. Vol. 4, No. 3, April. Pp. 227-271. (Kobe.)
- Scientific Papers of the Institute of Physical and Chemical Research. No. 305: Raman Effect for Liquid Hydrazine. By Sunao Imanishi. Pp. 7. 20 sen. Nos. 306-309: Researches on Hypoglycemia producing Substances, 2: pseudo-Thiourea, Amidine and Urea Derivatives, by Sin'iti Kawai, Tatsuo Hosono, Yoshio Shikimami and Shunyichi Yonechi; A Contribution to the Character of Triarylcarbinol Derivatives (1); by Sin'iti Kawai and Kunisaburo Tamura; On the Reaction between 2-4-6-Trichloropyrimidine and Dimethylamine, by Sin'iti Kawai and Takashi Miyoshi; β -Hydroxy-ethylguanidine and its Condensation with Acetoacetic Acid, by Sin'iti Kawai. Pp. 9-28. 40 sen. (Tokyo: Iwanami Shoten.)
- U.S. Department of Agriculture. Farmers Bulletin No. 1665: The Silverfish as a Pest of the Household. By E. A. Back. Pp. ii+6. (Washington, D.C.: Government Printing Office.) 5 cents.
- Proceedings of the Academy of Natural Sciences of Philadelphia, Vol. 83. African and Malagasy Blattidae (Orthoptera), Part 1. By James A. G. Rehn. Pp. 805-887+plates 81-85. (Philadelphia.)
- Transactions of the San Diego Society of Natural History. Vol. 6, No. 2: Notes on the Worm Snakes of the Southwest, with Descriptions of two New Subspecies. By Laurence M. Klauber. Pp. 838-852. Vol. 6, No. 24: *Crotalus tigris* and *Crotalus enyo*, two little known Rattlesnakes of the Southwest. By Laurence M. Klauber. Pp. 353-370+plate 28. (San Diego, Calif.)
- Agricultural Experiment Station, Michigan State College of Agriculture and Applied Science. Circular Bulletin No. 136: Hardy Perennials for Landscape Planting in Michigan. By C. P. Halling. Pp. 80. Circular Bulletin No. 137: Pests of Apple and Pear in Michigan. By R. H. Pettit and Ray Hutson. Pp. 63. Special Bulletin No. 211: A Comparison of Alfalfa Strains and Seed Sources for Michigan. By C. R. Megee. Pp. 8. Technical Bulletin No. 112: Residual Effects of Fruit Thinning with the Lombard Plum. By J. H. Waring. Pp. 86. Technical Bulletin No. 114: Fertilizers and Soils in relation to Concord Grapes in Southwestern Michigan. By N. L. Partridge and J. O. Veatch. Pp. 42. Technical Bulletin No. 116: The Fruiting Habit of the Peach as Influenced by Pruning Practices. By Roy E. Marshall. Pp. 58. Technical Bulletin No. 117: Experiments with the Tuber Insect Method of Controlling Virus Diseases of Potatoes. By J. E. Kotila. Pp. 26. (East Lansing, Mich.)
- Zoologica: Scientific Contributions of the New York Zoological Society. Vol. 13, Nos. 1 and 2: Bermuda Oceanographic Expeditions, 1929-1930. No. 1: Introduction and No. 2: List of Nets and Data. By William Beebe. Pp. 86. (New York City.)
- Bulletin of the Michigan College of Mining and Technology. New Series, Vol. 4, No. 4: Announcement of Courses, 1931-1932. Pp. 145. (Houghton, Mich.)

CATALOGUES.

- Zeiss Field Glasses. (List T 500 £.) Pp. 58. (London and Jena: Carl Zeiss.)
- Thermo-electric Pyrometers for Indicating and Recording Temperatures to 1400° C. (2552° F.) (List No. 194.) Pp. 24. (London: Cambridge Instrument Co., Ltd.)
- Apparatus for X-Ray Therapy. (Bulletin T.1.) Pp. 24. Diathermy. (Bulletin W.1.) Pp. 16. (London: Watson and Sons (Electro-Medical) Ltd.)
- Liver Extract B.D.H. for the Treatment of Pernicious Anæmia and Allied Conditions. Pp. 13. Elixir Valibrom B.D.H. and Elixir Valibrom Compound B.D.H. Pp. 4. (London: The British Drug Houses, Ltd.)
- McGraw-Hill Books on Business and Economics. (List 4.) Pp. 64. (London: McGraw-Hill Publishing Co., Ltd.)
- Catalogue of Important Natural History, Botanical and Horticultural Works. (No. 17.) Pp. 82. (London: John H. Knowles.)
- Respice-Prospice: Lewis's 1844-1931. An Illustrated Account of its Foundation and Development, with a Description of the Services offered to the Medical, Scientific and Teaching Professions. Pp. ii+30+5 plates. (London: H. K. Lewis and Co., Ltd.)
- A Clearance List of Books on Zoology, Mathematics, Chemistry, Geology, etc., with an Appendix of Valuable and Interesting Books (Clearance List "A"). Pp. 23. (London: Wheldon and Wesley, Ltd.)