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TECHNICAL PAPERS

EMPIRE AGRICULTURE AND ITS PROBLEMS.

- XCI. E. J. RUSSELL. "*The Imperial Research Conference.*" *Agricultural Progress*, 1928. Vol. V., pp. 108-110.
- XCII. E. J. RUSSELL. "*British Agricultural Research and the Empire.*" *Agricultural Progress*, Vol. VI., 1929. pp. 115-120.
- XCIII. B. A. KEEN. "*Irrigation in the Empire.*" Memorandum and Questionnaire, Empire Marketing Board, 1927.
- XCIV. E. J. RUSSELL. "*Australia Conquers the Drought.*" *Discovery*, 1929. Vol. X., pp. 112-116.
- XCV. E. J. RUSSELL. "*Farming in Australasia: Its Bearing on British Farming.*" *Journal of the Farmers' Club*, 1929, Part 2, pp. 21-40.
- XCVI. E. J. RUSSELL. "*An Agricultural Tour in Australia.*" *Country Life*, 1928. Vol. LXIV., pp. 859-861.
- XCVII. E. J. RUSSELL. "*Evolution of Farming*"; "*Soil Fertility.*" (Lectures given in Melbourne and Sydney, 1928). Published by "The Argus" and "The Australasian," Melbourne, Australia.
- XCVIII. E. J. RUSSELL AND J. B. ORR. "*Palestine and the Empire Marketing Board.*" Zionist Organisation, 1927.
- XCIX. E. J. RUSSELL. "*Report on Visit to Palestine, April, 1928.*" Zionist Organisation, 1928.
- C. E. J. RUSSELL. "*Palestine Revisited.*" *Geography*, 1928. Vol. XIV., pp. 487-491.

GENERAL.

- CI. E. J. RUSSELL. "*Application of Chemistry in Modern Farming.*" *Journal of the Society of Dyers and Colourists*, January, 1929, p. 10.
- CII. E. J. RUSSELL. "*Agricultural Science and Arable Farming in 1927.*" National Farmers' Union Year Book, 1928, pp. 69-74.
- CIII. E. J. RUSSELL. "*Agricultural Science and Arable Farming in 1928.*" National Farmers' Union Year Book, 1929, pp. 86-91.

- CIV. E. J. RUSSELL. "*Applications of Science in Agriculture.*" Empire Cotton Growing Review, 1929, Vol. VI., pp. 1-9.
- CV. W. D. CHRISTMAS. "*Notes on the Weather at Rothamsted.*" "The Times," April 2nd, May 2nd, June 2nd, September 2nd, October 3rd, 1927; January 2nd, August 1st, 1928; January 2nd, 1929.
- CVI. A. N. PURI. "*Investigations on the Behaviour of Hygrometric Hairs.*" Quarterly Journal of the Royal Meteorological Society, 1927. Vol. LIII., pp. 115-125.
- CVII. E. J. RUSSELL. "*Agricultural Research.*" Encyclopædia Britannica, 14th edition.
- CVIII. E. J. RUSSELL. "*Rothamsted Experimental Station.*" Encyclopædia Britannica, 14th edition.
- CIX. W. B. BRIERLEY. "*Obituary Notice of Professor W. Johansen.*" Annals of Applied Biology, 1928. Vol. XV., pp. 699-703.
- CX. J. DAVIDSON. "*Professor Antonio Berlese.*" Annals of Applied Biology, 1928. Vol. XV., pp. 509-511.

CROPS, SOILS AND FERTILISERS.

(a) CROPS.

- CXI. E. J. RUSSELL. "*The Growth of Crops.*" School Science Review, 1928, pp. 241-248.
- CXII. C. T. GIMINGHAM. "*Section on 'Biochemistry (Plants).'*" In the Article on Biochemistry in the Annual Reports of the Chemical Society, 1927. Vol. XXIV., pp. 220-242.

(b) SOILS.

- CXIII. E. J. RUSSELL. "*The Chalk Lands of England.*" School Nature Study, 1927, Vol. XXII., pp. 40-46.
- CXIV. E. J. RUSSELL. "*Soils and Fertilisers in 1927.*" Agricultural Research in 1927, pp. 131-160. (Royal Agricultural Society of England, 1928.)
- CXV. E. M. CROWTHER. Articles on "*Soils and Fertilisers.*" In the Society of Chemical Industry Annual Reports on Applied Chemistry, 1927. Vol. XII., pp. 454-488; 1928, Vol. XIII., pp. 469-506.
- CXVI. E. J. RUSSELL. "*Soils.*" Encyclopædia Britannica, 14th edition.
- CXVII. B. A. KEEN. "*Physical Properties of Soils.*" Encyclopædia Britannica, 14th edition.
- CXVIII. A SUB-COMMITTEE OF THE AGRICULTURAL EDUCATION ASSOCIATION. "*Revised Official Method for the Mechanical Analysis of Soils. Adopted by the Agricultural Education Association in 1927.*" Agricultural Progress, 1928. Vol. V., pp. 137-144.

- CXIX. B. A. KEEN. "*Mechanical Analysis : National and International.*" Soil Research, 1928. Vol. I., pp. 43-49.
- CXX. E. M. CROWTHER. "*The Determination of Hydrogen Ion Concentration.*" The Chemists' Year Book, 1928, pp. 610-629.
- CXXI. B. A. KEEN. "*Some Physical and Physico-Chemical Effects of Soil Organic Matter.*" Journal of the American Society of Agronomy, 1927. Vol. XIX., pp. 362-368.
- CXXII. B. A. KEEN. "*The Use of the Tractor on the Average Farm.*" Essex County Farmers' Union Year Book, 1928, pp. 143-148.
- CXXIII. B. A. KEEN. "*The Place of the Tractor in Soil Cultivation.*" Proceedings of the Institution of Automobile Engineers, 1927. Vol. XXI., pp. 242-274.
- CXXIV. B. A. KEEN. "*The Plough.*" Science Progress, 1928. pp. 641-650.

(c) FERTILISERS.

- CXXV. E. J. RUSSELL. "*The Part Played by British Workers in the Application of Nitrogen to the Soil.*" Journal of the Society of Chemical Industry, 1928. Vol. XLVII., pp. 528-531.
- CXXVI. E. J. RUSSELL. "*The Economic Limit of Fertilisers.*" Farmer and Stockbreeder, 1929. Vol. XLIII., pp. 279-280.
- CXXVII. E. J. RUSSELL. "*Field Experiments at Rothamsted during 1925-1926.*" Parts I. and II. Journal of the Ministry of Agriculture, 1927. Vol. XXXIV., pp. 600-612; pp. 727-733.
- CXXVIII. E. J. RUSSELL. "*Eighty-five Years of Fertiliser Experiments at Rothamsted.*" Seventh Potash Convention, Berlin, Jan. 30th, 1928.
- CXXIX. E. J. RUSSELL. "*Fertilisation of Land.*" "The Times" Special Agricultural Number, March, 1928.
- CXXX. E. J. RUSSELL. "*Economical Manuring.*" East Devon Milk Recording Society Handbook, 1929, pp. 55-57.
- CXXXI. E. J. RUSSELL. "*Rothamsted Experiments on the Manuring of Sugar Beet.*" Essex County Farmers' Union Year Book, 1929, pp. 137-141.
- CXXXII. E. J. RUSSELL. "*Fertilisers.*" Encyclopædia Britannica, 14th edition.
- CXXXIII. H. V. GARNER. "*Notes on Manures.*" Journal of the Ministry of Agriculture, 1927. Vol. XXXIII., pp. 950-953, 1054-1057, 1143-1147. Vol. XXXIV., pp. 67-73, 170-175, 656-659, 756-759, 855-858, 950-955, 1052-1055, 1147-1152, 1928. Vol. XXXV., pp. 68-72, 172-176.

BIOLOGICAL.

- CXXXIV. W. D. CUTLER. "*Soil Protozoa.*" Encyclopædia, 14th edition.
- CXXXV. W. B. BRIERLEY. "*Science of the Year—1927. Biological Sciences.*" The Annual Register. Vol. CLXIX., 1927., pp. 38-45.
- CXXXVI. W. B. BRIERLEY. "*Science of the Year—1928. Biological Sciences.*" The Annual Register. Vol. CLXX., pp. 37-41.
- CXXXVII. F. TATTERSFIELD AND C. T. GIMINGHAM. "*Recent Investigations on Contact Insecticides.*" Journal of the Society of Chemical Industry, 1927. Vol. XLVI., pp. 368-372T.
- CXXXVIII. C. T. GIMINGHAM AND F. TATTERSFIELD. "*A Report on Field Trials with 3:5-Dinitro-o-cresol and its Sodium Salt for Winter Spraying.*" Journal of Pomology and Horticultural Science, 1928. Vol. VII., pp. 146-155.
- CXXXIX. J. HENDERSON SMITH. "*Recent Work on Virus Diseases in Plants.*" Proceedings of the Royal Society of Medicine, 1927. Vol. XX., Section of Pathology, pp. 11-18.
- CXL. J. HENDERSON SMITH. "*Plant Virus Diseases.*" System of Bacteriology, 1929. Vol. VII. (in the Press).
- CXLI. W. B. BRIERLEY. "*The Micro-Flora of the Soil.*" Journal of the Queckett Microscopical Club, 1928. Vol. XVI., pp. 9-18.
- CXLII. P. H. GRAY. "*Soil Bacteria and Fertility.*" Science Progress, 1929. Vol. XXIII., pp. 444-456.
- CXLIII. H. G. THORNTON. "*Soil Bacteria*" in "*System of Bacteriology.*" Medical Research Council. (In the Press.)
- CXLIV. H. G. THORNTON. "*Bacterial Activity in the Soil.*" Encyclopædia Britannica, 14th edition.
- CXLV. D. WARD CUTLER. "*Soil Protozoa and Bacteria in Relation to their Environment.*" Journal of the Queckett Microscopical Club, 1927. Vol. XV., pp. 309-330.
- CXLVI. W. M. DAVIES. "*Methods of Collecting Parasites of Earwigs.*" Bulletin of Entomological Research, 1927. Vol. XVII., pp. 347-350.
- CXLVII. W. M. DAVIES. "*Notes on the Feeding Habits of Habrosyne derasa L. (Lepidoptera).*" Bulletin of Entomological Research, 1928. Vol. XIX., pp. 267-270.
- CXLVIII. E. E. EDWARDS. "*On the Morphology of the Larva of Dorcus parallelopedus L.*" Journal Linnean Society, 1929. (In the Press.)
- CXLIX. E. HANDSCHIN. "*Die Oekologie der Collembolenfauna westfälischer Hochmoore.*" Zeits. wiss. Insektenbiologie 1927. Vol. XXII., pp. 295-310.

- CL. A. D. IMMS. "*On the Affinities of the Grylloblattidæ.*" *Psyche*, 1927. Vol. XXXIV., pp. 36-39.
- CLI. A. D. IMMS. "*The Biological Control of Noxious Weeds.*" Proceedings Fourth International Entomological Congress, 1929. (In the Press.)
- CLII. A. D. IMMS. "*Economic Entomology,*" "*Insects,*" "*Social Insects,*" "*Entomology.*" *Encyclopædia Britannica*, 14th edition.
- CLIII. A. D. IMMS AND D. M. T. MORLAND. "*Progress of Bee Investigations at Rothamsted.*" *Bee World*, 1929. Vol. X., pp. 26-28.
- CLIV. D. M. T. MORLAND. "*The Feeding of Bees.*" *Journal of the Ministry of Agriculture*, 1929, pp. 945-950.
- CLV. D. M. T. MORLAND. "*A Recording Scale for Bee Hives.*" *Annals of Applied Biology*, 1929. Vol. XVI., pp. 294-298.
- CLVI. H. F. BARNES. "*Gall Midges (Cecidomyidæ) infesting Wild Figs in the Philippine Islands.*" *Bull.* 19, Hawaiian Sugar Planters' Association Experiment Station, 1928, pp. 21-23.
- CLVII. H. F. BARNES. "*Neptunimyia Felt, a Gall Midge Genus new to Great Britain.*" *Entomologist*, 1928. Vol. LXI., pp. 173-175.
- CLVIII. H. F. BARNES. "*Insects of Samoa. Cecidomyinæ.*" In *Insects of Samoa*, Part VI., 1928, British Museum, pp. 103-108.
- CLIX. H. F. BARNES. "*The Chrysanthemum Midge.*" *Entomologist*, 1928. Vol. LXI., pp. 36-38, 1 plate.
- CLX. H. F. BARNES. "*Button Top of Basket Willows.*" *Journal of Ministry of Agriculture*, 1929, pp. 65-71, 2 plates.
- CLXI. H. F. BARNES. "*Gall Midges on Meadow Foxtail Grass.*" Report of the Marlborough College Natural History Society, 1929.
- CLXII. J. DAVIDSON. "*The Biological and Ecological Aspect of Migration in Aphides.*" *Science Progress*, 1927: Part I., pp. 641-658; Part II., pp. 57-69.
- CLXIII. W. B. BRIERLEY. "*The Control of Plant Diseases.*" *Annals of Applied Biology*, 1927. Vol. XIV., pp. 549-563.

BOOKS PUBLISHED DURING 1927 & 1928.

- R. A. FISHER. "*Statistical Methods for Research Workers.*" First Edition, 1925. Revised and enlarged Second Edition, 1928. Oliver & Boyd, Edinburgh. 15/-.
- E. J. RUSSELL and Others. "*Great Britain. Essays on Regional Geography,*" 1928. Cambridge University Press. 21/-.

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