

EDITORIAL.

The Staff of the Ontario Agricultural College.

It affords us a great deal of pleasure to accord the place of honor in this issue of the FARMER'S ADVOCATE to a group of portraits representing the Provincial Minister of Agriculture and the present staff of the Ontario Agricultural College at Guelph, the fame of which has deservedly extended into many countries beyond the bounds of Canada. Following is a brief outline sketch of the career of each member of the staff, which shows how well-equipped is the Institution, from a practical as well as a scientific standpoint; and, also, how wide is the range of work covered on the Farm and in the College course. Complaint is sometimes made that in photography and portraiture "subjects" are often flattered, but we have no hesitation in saying that our artist has not done so in this instance. Having good subjects, all he had to do, as a printer would say, was simply to "follow copy," which he has faithfully done. The ADVOCATE takes pleasure in presenting to our readers throughout Canada, the United States, and beyond the seas, the accomplished staff of the O. A. C.:

Hon. John Dryden, M.P.P., Minister of Agriculture for Ontario (No. 1).—The Hon. John Dryden, who presides with such distinguished ability over the Agricultural Department of the Provincial Government, was born on June 5th, 1840, in Whitby township, Ontario Co., Ont., being the son of the late James Dryden, who came to Canada from England some 20 years before. His education, as far as schools were concerned, was received at the Public School near his farm home, and at the Whitby Grammar School. But the work of self-education has, in his case, never ceased, so that to-day his attainments in various departments of human knowledge are of an eminently high character. Though urged to take a university course, his natural love for agriculture prevailed and he devoted himself to farming and the rearing of pure-bred stock, achieving, for example, such successes in Shorthorn and Shropshire breeding as to give "Maple Shade Farm," at Brooklin, Ont., which still receives his personal attention, a far-extended and well-deserved fame. In recognition of his efforts in these lines, he received the Presidency of the Canadian Shorthorn and the American Shropshire Associations. The latter position he still holds. Among other enterprises occupying a share of his thought and energy in management is that of McMaster University, Toronto, under the auspices of the Baptist denomination. From youth he developed a faculty for the administration of public affairs, and it was but natural after several years' service in municipal life that he should be called a step higher in 1879, when he was elected a member of the Local Legislature to represent South Ontario, an event which repeated itself in 1882, 1886, 1890, and 1894. It was in 1890, upon the reorganization of the Ontario Cabinet, that he was chosen to take charge of the portfolio of Agriculture, a department steadily and rapidly growing in importance. He has become a power in the governing councils of Ontario, and has infused ever increasing vitality in all branches of his department, exercising a practical influence that has been felt at the College and Experimental Farm, as elsewhere. Under his regime the various organizations for the special development of dairying, poultry keeping, entomology, road making, horticulture, and the breeding and registration of pure-bred stock, have prospered marvellously. He has abounding faith in the principle that for the farmer *knowledge is power*. To stimulate the desire for knowledge and united effort, and to bring information within access of all, has been the genius of his administration.

James Mills, M. A., LL. D., President (No. 2), was born of North-of-Ireland parents, in the county of Simcoe, Ont., in the year 1840. His first twenty-one years were spent upon one of the best-managed and best-cultivated farms of the Province. Having lost his right arm in a threshing machine at the age of twenty-one he entered the Public School; from thence he went to Brantford Grammar School, and from there to Victoria College, where he graduated as Bachelor of Arts in 1868, taking the gold medal of the year for the highest rank in general proficiency. After graduation he taught for awhile in the Cobourg Collegiate Institute, from which position he was promoted to the headmastership of the Brantford High School, which soon rose to be a Collegiate Institute under his conduct. The honor of LL. D., was conferred upon him by his alma mater in May, 1892. Mr. Mills was offered, without any solicitation on his part, the position of President of the Ontario Agricultural College, which was accepted in the summer of 1879. Since President Mills' appointment as head of that institution, great progress has been made, together with improvements in the buildings and equipment which are still being added to year by year. The work of the College has also been greatly enlarged during that time by the addition of a third year's course and affiliation with Toronto University. His capacities as an educator and administrator have kept pace with the

development of the work. To Dr. Mills' untiring zeal and exceptional executive ability is largely due the successes attending the institution of which he is the worthy head, as also in the organization of the Farmers' Institutes, direction of the travelling dairies, etc. We hope he may be long spared to continue his arduous and successful labors in the Presidency of this splendid educational institution.

J. Hoyes Panton, M.A., F.G.S., Professor of Natural History and Geology (No. 3), son of the late James Panton, Toronto, was born in Cupar, Fifeshire, Scotland, 1817. He was educated at Whitby High School and Toronto University, from which he graduated in 1877 as first silver medalist and McMurrich medalist in Natural Science. Before coming to Guelph, Prof. Panton was assistant master in Oshawa High School. In 1878 he was appointed Professor of Chemistry in O. A. C.; 1885 appointed Professor of Natural History and Geology, which position he now holds. He has read four papers before the British Association, has contributed many articles to agricultural papers, journals and magazines, including the FARMER'S ADVOCATE. He has also written two small books, one on Economic Geology and one on Economic Entomology, also many bulletins in connection with the Department of Natural History. He has attended and delivered lectures at every series of Farmers' Institutes since established in 1885. He was elected Fellow of the Geological Society, England, 1885, and Fellow of the Victoria Institute, England, 1887.

A. E. Shuttleworth, B. A. Sc., Professor of Chemistry (No. 4), was born of English parentage at Mount Albert, York Co., Ont., Nov. 27, 1862. He worked on his father's farm, when not at school, until seventeen years of age. His education was secured at the Hamilton Collegiate Institute, Berlin High School, Ontario Agricultural College, and McGill University, where he received his degree B. A. Sc. in 1890. Before his appointment as Professor of Chemistry, Prof. Shuttleworth was the superintendent of the experimental department on the Guelph Farm from 1882-85. He was Professor of Agriculture and Natural Science in Prince of Wales College, Charlottetown, Prince Edward Island, in 1890-91, which position he occupied when he received the appointment he now holds.

C. A. Zavitz, B.S.A., Experimentalist (No. 5), son of Daniel Zavitz—German descent—was born at Coldstream, Middlesex Co., Ont. Mr. Zavitz, after leaving Public School, gained entrance to Strathroy High School in 1881, where he procured a second-class certificate in 1884. In 1886 he completed his second year at the Ontario Agricultural College, obtaining an associate diploma. In 1888 the University degree, B. S. A., was procured. In 1889 he passed the Agriculture and Arts examination, winning the 1st prize for general proficiency. Mr. Zavitz started work in the experimental department of the Ontario Agricultural College, June 18, 1886, having finished the final examinations for the College diploma two days previous. He has continued at the same work ever since. From 1886 to 1893 he was assistant superintendent of experimental department; 1893 to present time, experimentalist; 1887 to present time (except 1888) he was editor for Ontario Agricultural and Experimental Union. In 1886 assisted in starting a system of co-operative experimental work in agriculture over Ontario. He has for the last two years been director of that work. Number of field plots at the Ontario Experimental Farm, 1886, 56; 1895, 1,700 (over). Number of ex-students and other farmers conducting co-operative experiments over Ontario, 1886, 12; 1895, 1,705. College reports and bulletins give results.

G. E. Day, B.S.A., Professor of Agriculture (No. 6), son of Thos. Day, formerly a successful farmer in the township of Eramosa, Wellington Co., now retired, was born in Guelph township. After leaving the rural Public School he worked upon his father's farm until 21 years of age, when he entered the Guelph Collegiate Institute, where he procured a second-class teacher's certificate. He then taught Public School four and a-half years, entered the Agricultural College in 1891, and was gold medalist in 1892. In 1893 Prof. Day graduated from the O. A. C., having conferred upon him the degree B. S. A. by the University of Toronto. After graduating he took charge of one of the Travelling Dairies for one summer. He was then appointed Lecturer on Agriculture, with charge of live stock experiments.

H. H. Dean, B. S. A., Professor of Dairy Husbandry (No. 7), was born of Canadian father and German mother at Hawkesville, Waterloo Co. His educational training was obtained at Harley Public School, Brant Co., and the Ontario Agricultural College, where he graduated with degree of B. S. A. in 1890. Before receiving the present appointment, Jan. 1st, 1891, Professor Dean had charge of dairy work at New York Experiment Station, Geneva. Besides taking charge of the dairy department since his appointment, he has spent considerable time at Farmers' Institutes, dairy meetings, and with the Travelling Dairy. The remainder of the time he has been giving lectures to College students and superintending work of the department. For three sessions he has taken charge of special dairy class; has also done considerable experimenting, chiefly with reference to the effect of food on quality and quantity of milk; effects of fat in milk on yield and quality of cheese; comparing the different methods of creaming milk. For 1895 he has arranged a series of ex-

periments in butter and cheese-making, and also by-products of the dairy, which series will extend throughout the whole year.

J. Hugo Reed, V. S., Professor of Veterinary Science (No. 8), son of Robt. A. Reed (of Irish extraction), was born in the township of Esquesing, Halton County. He was educated at Stewarttown and Georgetown, and Ontario Veterinary College, from which he graduated in 1882, securing the gold medal for general proficiency. Since his graduation, Prof. Reed has practiced the veterinary profession in Guelph. He was appointed to his present position in December, 1892.

William Rennie, Farm Superintendent (No. 9), was born 1835, in Scarborough, York Co., Ont., of Scotch parentage. He was educated in Scarborough, where he engaged in and continued farming for a number of years. He commenced an implement and seed business in Toronto, 1870, which is at present carried on by his sons, Robert, John and Thomas. Mr. Rennie received his present appointment Oct. 1, 1893, in which he has made decided improvements in the appearance, productiveness, and general state of the Farm.

H. L. Hutt, B. S. A., Horticulturist (No. 10), son of F. A. Hutt, clerk of Stamford township, was born in Welland Co., three miles from Niagara Falls. He was a student at Stamford High School for four years. Received diploma and gold medal for general proficiency at the Ontario Agricultural College in 1890. In '91, obtained degree of B. S. A., from Toronto University, after which he took special course in Horticulture with Prof. Bailey at Cornell University. Before receiving the appointment he now holds, Prof. Hutt worked upon his father's farm in Stamford township, while not attending school or college. Since coming to the Ontario Agricultural College in 1893, he has taken charge of the horticultural department, besides giving full course of lectures in Horticulture. He has also lectured at Farmers' Institutes for three years. Prof. Hutt has taken part in the establishment of fruit experiment stations now located in different parts of the Province of Ontario.

R. Harcourt, B. S. A., Assistant Chemist (No. 11), was born in Goderich, Huron Co., Ont., of English-Scotch extraction. Mr. Harcourt received his education in Preston, Toronto, and at the O. A. C., receiving associate diploma in 1892, degree of B. S. A., in 1893, in which year he obtained his present position of Assistant Chemist. In 1890 Mr. Harcourt's father, J. F. Harcourt, bought a farm at St. Ann's, Lincoln Co., where the Assistant Chemist worked, excepting while at school, until entering the Agricultural College.

J. A. Reynolds, B.A., Assistant Resident Master (No. 12), son of Mr. Joseph Reynolds, now living in Oshawa, was born, 1868, in the township of Darlington, Durham Co., on the farm now owned by Mr. Chas. Langmaid. Prof. Reynolds' education was obtained at Solina Public School, Oshawa High School, and Toronto University, from which he graduated in 1893. He taught Public School at Enfield, in Darlington township, for three years, 1888-1890. In 1893 he was appointed Lecturer in English and Mathematics at the O. A. C.

F. C. Harrison, B.S.A., Bacteriologist and Librarian (No. 13), son of F. Sladen Harrison, Esq., Winchester, England, was educated at Westminster School, London, and Mason's College, Birmingham; passed 1st class College of Preceptors and Senior Local, Cambridge; undergraduate of London University, 1888; took full course at Ontario Agricultural College, receiving the degree of B. S. A. from University of Toronto in 1892. He took a summer course at Cornell University in 1894, and visited the Universities of Chicago, Wisconsin, Harvard, Yale, and Wesleyan; he also took a course at University of Michigan. He was appointed to the position of assistant in the department of Natural History and Geology in 1892, and to the position of Bacteriologist in January, 1895. He is awaiting laboratory accommodation in new building now in course of erection.

L. G. Jarvis, Manager of Poultry Department (No. 14), was born of English-German extraction, within three miles of the City of London, Ont. For many years Mr. Jarvis was Director and Superintendent at the Western Fair. For over twenty years he has acted as judge on poultry at all the leading exhibitions in Canada, and some of the largest in the United States, including the World's Fair. He is a member of the Masonic Order, being P. D. D. G. M. of London District, and is now G. R. of the Grand Lodge of Ohio. He was appointed manager of the poultry department, Oct. 1, 1894. Besides caring for the poultry, he delivers lectures to the students on the care and management of fowls, the origin and characteristics of the different breeds, as well as the various points to be observed in judging the leading sorts. Artificial incubation and proper methods of feeding from shell to market are also taken up in practice and theory.

R. F. Holterman, A. O. A. C., Apiarist (No. 15), is of German nationality, was born June 14th, 1860, in Hamburg, Germany. His education was received at a private school at Ottawa, the Ottawa Collegiate Institute, Upper Canada College (Toronto), Day's Commercial College (Toronto), from which he graduated. He then took a course at the O. A. C., passing all examinations with honors in every subject. Having obtained a prominent standing among bee-keepers, he was recently appointed