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## Contents

**EDITORIAL** ................................................................. 469

**LEADING ARTICLES**

- **Forty-Sixth Annual Commencement Exercises** .......... 471
- **Macdonald Institute Graduation** .......................... 474
- **Alumni Day** ............................................................ 478
- **Dr. George C. Creelman** ......................................... 482
- **World's Grain Exhibition and Conference** ................. 485
- **British Colonial Agricultural Service** ...................... 494
- **The Social Factor in Rural Education** ..................... 499

Alumni Record ................................................................. 505

College Life ................................................................. 489

Departmental Notes ....................................................... 517

Sportfolio ................................................................. 502

**NOTES**

- **Danforth Fellowship Awarded** ................................. 496
- **Scholarships for 1933** ............................................ 497
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Editorial

THE Annual Commencement Exercises on May 25th, brought to a close the college life of sixty-two members of Year '33. From the beginning of their college days, this class pulled together in a most remarkable way, never lacking capable leaders, or whole-hearted co-operation amongst the members, in any undertaking.

The occasion of their graduation, therefore, had its sad aspect as many proven friends shook hands, and the College buildings were left behind. The men departed glad, however, that they had been privileged to invest four of their best years in acquiring a thorough social and technical preparation for their life work, in a way that only the residence life and broad training of the O. A. C. can give.

The members of Class '33 have started on a new course. New friends must be made, and new lessons learned, but, although they have left the College, the College has not left them, and they are well equipped to grasp the opportunities that a fast recovering world has to offer.

The Review, on behalf of the undergraduates, wishes the members of Class '33 every success, and assures them of a warm reception whenever they return to visit their Alma Mater.
O. A. C. Graduates who have not visited the College in some years, will appreciate this picture, which shows how nicely the new Administration Building fits in as the central figure in the general landscape scheme of the beautiful old campus.
Forty-Sixth Annual Commencement Exercises

Degrees Conferred by Rt. Hon. Sir Wm. Mulock

TOOK PART IN GRADUATION EXERCISES

The above group includes: Dr. G. I. Christie, President of the College; Dr. J. B. Reynolds, President Emeritus; Col. the Hon. T. L. Kennedy, Minister of Agriculture for Ontario; Hon. Robert Weir, Federal Minister of Agriculture; Rt. Hon. Sir William Mulock, Chancellor of the University; Hon. and Rev. Dr. Cody, President of the University; Dr. C. D. McGilvray, Principal of O. V. C. The gentlemen in the rear are representatives of the University of Toronto Senate.

TRADITIONAL pomp and colour surrounded the annual Convocation of the Ontario Agricultural College, held on May 25th, when sixty-two students received the Degree of Bachelor of Science in Agriculture at the hands of Sir William Mulock, Chancellor of the University of Toronto.

Immediately following the luncheon, at which Hon. Robert Weir, Federal Minister of Agriculture, spoke, the formal procession from the Administration building to Memorial Hall, took place. In the lead was the mace-bearer, and immediately behind him, Sir William in his colourful robes. Other high
dignitaries of the University were followed by members of the Faculty of the College and Macdonald Institute, and lastly, by the graduating students.

The Chancellor, Dr. G. I. Christie, President of the O.A.C., Hon. Dr. Cody, Hon. Robt. Weir, Col. T. L. Kennedy, Dr. C. D. McGilvray, and Dr. J. B. Reynolds, took their places on the platform, which was banked with beautiful ferns and potted flowers.

The graduates filed down the right side of the hall, which was packed to the doors with their friends and relatives, and guests from the city. The candidates were presented by Dr. G. I. Christie, and the solemn ceremony of conferring the degree was carried out by Sir William.

**PRIZES PRESENTED**

The Chancellor, at the request of Dr. Christie, presented three prizes: For general proficiency, to C. P. Rivaz, Palermo; the John Bright Scholarship, to H. I. Seymour, R. R. No. 1, Ida, Ont.; and the Canadian Feed Manufacturers’ prize to J. E. Stackhouse, Brucefield.

Mr. Rivaz, Dr. Christie pointed out, commenced his college studies in 1921, when he took the Associate Course. He returned, after having worked on the farm seven years, and in 1930 took his intermediate year, graduating this year at the head of his class.

Sir William Mulock introduced Hon. Dr. Cody, who extended best wishes on behalf of the University of Toronto. The ceremony just carried out, he pointed out, was an adaptation of the feudal system of plighting allegiance to the sovereign. The students had, likewise, pledged allegiance to their alma mater. “You have obtained an inheritance which comes from study in this College and the University of Toronto.” “It is a splendid inheritance; adorn it,” he adjured the graduates.

**FORESEES BETTER TIMES**

A few days ago, Dr. Cody went on, he was speaking to the President of an American University, a foremost economist, who stated that he always looks for the prices of wheat and steel. When they are rising, he is sure that other commodities will rise also. The prices of both commodities are rising, said the speaker, in forecasting brighter things in the near future.
Among the lessons which the depression has taught," Dr. Cody said, "is the fact that no part of our economic body has less unemployment than the farming industry, and that no one in the ranks of agriculture went hungry."

"It is not a bad thing to belong to such a group," the President said. "Farming is fundamental and will remain fundamental, and unless farming is prosperous, no other industry can be. Therefore, on your Atlantean shoulders is the weight of the Dominion."

The story of the O.A.C., he went on, is a story of growth and development in scientific agriculture in the Dominion. It first gave, and still does give, an added training in practical farming; then it developed to experimentation and research, and now has commenced an active course of extension.

He praised farming as an occupation, health-giving and self-sufficient, teaching sanity of outlook, and providing opportunity for cultural development. In conclusion Dr. Cody gave six elements which he declared were the chief factors of success and happiness. They were: Absolute straightness, modesty, perseverance, sympathy, a sense of humor, and that element of religious faith which reminds us that we are here to serve.

He closed his address by wishing the graduates continued success in the broader field which they are now entering.

Following the Convocation a garden party was held on the campus.

DEGREES WERE CONFERRED UPON THE FOLLOWING GRADUATES:

Ainslie, Ralph Murray, St. Marys, Ont.
Allen, Albert Brooks, Vankleek Hill, Ont.
Alton, Morris Victor, R. R. No. 2, Freeman, Ont.
Anderson, Ernest Grant, 5 Monk St., Ottawa, Ont.
Banting, Edward Angus, R. R. No. 2, Alliston, Ont.
Brydon, Douglas Alexander, R. R. No. 3, Rockwood, Ont.
Buchner, Aubrey Carlyle, R. R. No. 3, Delhi, Ont.
Burrell, Alexis, Ontario Agricultural College, Guelph, Ont.
Cameron, Daniel Foster, 327 Frank St., Ottawa, Ont.
Campbell, Albert McTaggart, Box 327, Ridgetown, Ont.
Cohoe, Bruce Marshall, R. R. No. 4, South Woodslee, Ont.
Crane, James Leslie, Aylmer, Ont.

(Continued on page 522)
Macdonald Institute Graduation

Lieutenant-Governor and Mrs. Bruce take part in Colorful Exercises

GUESTS AT THE GIRLS' GRADUATION

The above group includes: Dr. G. I. Christie, Mrs. George S. Henry, Mrs. Herbert A. Bruce, His Honour Dr. Herbert A. Bruce, Premier G. S. Henry, and Mr. J. B. Fairbairn, Deputy Minister of Agriculture for the Province.

His Honour Dr. Herbert A. Bruce, Lieutenant-Governor of Ontario, and Mrs. Bruce, accompanied by Premier and Mrs. George S. Henry, were guests of the College on June 16th, and took part in the graduation exercises of Macdonald Institute.

Dr. Christie officiated at the luncheon given in honour of the graduates, and, in a brief address, welcomed Colonel and Mrs. Bruce to the College for the first time. Mayor R. B. Robson, brought greetings from the City of Guelph, paying a warm tribute to the high qualities of the Lieutenant-Governor, and his fitness for the position which he occupies.

Dr. Bruce spoke briefly in reply, expressing thanks for the cordial welcome accorded him, and declaring that both he and
Mrs. Bruce would welcome the opportunity to pay a later visit to Guelph. While the “inside” of the College was new to him, he was well acquainted with the valuable work it is doing for the farmers of the province, he stated.

In his message to the graduates and guests Premier Henry referred with pride to the fact that he had once been a student at the College. The Premier spoke hopefully of the future for the graduates, and stated that he was greatly impressed with the fact that while there are few vocational opportunities today, the young people are not allowing their time to be lost. He referred briefly to the work of the Department of Education, of which he is head, and outlined their scheme to set up schools, intermediate between the primary and secondary ones, in which pupils will be given vocational guidance.

In closing, the Premier extended his congratulations to the young ladies, and wished them success in their various fields of endeavour.

A pleasing feature of the luncheon was the presentation of beautiful bouquets to Mrs. Bruce and Mrs. Henry, by Miss Mildred Fleck, President-elect of the Students’ Council.

**DIPLOMAS AND SCHOLARSHIPS PRESENTED**

The presentation of diplomas and scholarships took place in Memorial Hall, after the traditional parade across the campus. The Hall was tastefully decorated for the occasion, and presented a very beautiful appearance as the graduates filed in carrying their large bouquets of flowers.

Recommendation of the candidates for certificates and diplomas was made by Miss Cruikshank. Dr. Christie made the presentations, with Miss Mayme C. Kay, introducing the Normals, Miss Jean Millar, the Associates, Miss Mary Clarke, the Institutionals, and Miss Mildred McQueen, the Homemakers.

Two scholarships were presented by Mrs. Bruce, the first to Miss Jean M. Scott, winner of the Jean C. Bradley Memorial Scholarship. Miss Scott was introduced by Miss Helen Bates, ’30, who pointed out the award was made each year to the student of the graduating class who is considered to be the most faithful in her work, the most thoughtful for others, and has obtained a worthy standing in Foods and Cookery, throughout her year.
Miss Mary Ainslie, of London, winner of the Students' Council Scholarship, was presented to Mrs. Bruce by Miss Catharine Margetts, Watson Hall representative on the Council. Miss Ainslie received the award for the highest standing in her year.

Mrs. D. B. Shutt, President of the Macdonald Alumnae, in presenting the winners of the Alumnae prizes to Mrs. Henry, briefly sketched the achievements and aims of the society. The prize winners were, for the Normals, Miss Reta Parker, High River, Alberta; Associates, Miss Mildred C. Cox, Charlottetown, P. E. I.; Institutional Management, Miss Anna Kucera, of Hamilton; and Miss Elizabeth Brydon, of Brampton, of the Homemakers.

**HIS HONOUR SPEAKS**

As a representative of His Majesty, as a practitioner of science, and as a practising farmer, Dr. Bruce saluted the College and congratulated the staff on their achievements. He spoke in commendation of the work of Miss Millar and Miss Darby in lettuce research, and of Miss Dorothy Hewitt, in regard to honey.

Stating that the home was the foundation of civilization, the treasure house of the state and the precinct of the finer emotions, the speaker pointed out the value and need of such a school as Macdonald Institute, and paused to pay respectful tribute to the founder, Sir John Macdonald. “Formerly there was no scientific training for the great art and science of founding and making a home,” the speaker said, “and the Institute is to be congratulated in overcoming this deficiency. It is also to be congratulated in stressing the importance of a home training in this age when so many fields are open to women.”

Referring to earlier writers, including Samuel Pepys, Dr. Bruce spoke in an alternatingly humorous and serious vein of the value of women in the home, and exhorted them in conclusion that the “secret of thrift is knowledge.”

At the close of the address to the graduates, Professor Blackwood sang one of his popular solos.

Following the graduation exercises, a delightful garden party was held on the main campus, and the College horses were paraded for the Lieutenant-Governor, who is an enthusiastic livestock man.
GRADUATES 1933

Normal Class—Greene, Muriel J.; Harrop, Muriel; McNab, Amy E.; Ottman, Aleda E.; Parker, Reta M. J.; Street, Mrs. Lillian H.; Young, Marjorie L.

Associate Class—Ainslie, Mary E.; Arnott, I. Grace; Baird, Louise C.; Barber, Lorna M.; Bird, Jennie A.; Blagden, Evelyn V.; Borland, Mary W.; Broadfoot, Margaret J.; Buchanan, O. Jean; Bucke, H. Louise; Campbell, Autumn; Campbell, Jean A.; Campbell, V. Katherine; Campbell, A. Peggy; Clark, Laura G.; Collins, Myra K.; Cox, Mildred G.; Cummins, Margaret M.; Donnelly, Grace M.; Doyle, Dorothy E.; Dunham, Hazel M.; Farr, Isabel; Fraser, Jean G.; Gault, Marjorie R.; Harrison, Audrey; Hill, Dorothy M.; Hoover, Mary C.; Howard, E. Clare; Hunt, Edna B.; Irving, Margaret I.; Jennings, Christine L.; Johns, Esther A.; Johnston, Hurrell; Kenney, Marguerite F.; Kidner, Marion L.; Leach, A. Marion; McCalla, Mabel L.; MacFadzean, Dorothy M.; Malone, Marion S.; Margetts, Catherine J.; Marsh, Marion B.; Matheson, Evelyn M.; Morgan, E. May; Morris, Jean M.; Muir, Edithemma L.; Munro, Margaret J.; Orr, Jessie L.; Palmer, Lorna A.; Patterson, C. Marie; Pelton, Jessie M.; Robinson, Elsie M.; Rose, Elizabeth J.; Ruthven, Georgina M.; Scott, Jean M.; Simpson, Helen; Skelton, Louise I.; Smith, Margaret C.; Smith, Vera L.; Stevenson, Jean F.; Taylor, Carrie P.; Taylor, Margaret V. M.; Thomas, Grace L.; Todd, Thelma J.; Watson, Cleta E.; Weir, Madora E.; Wright, Frances H.; Wurm, Kathleen.

Institutional Management Class—Bedford, Frances C.; Bell, Maud E.; Campion, Ivy; Chapple, Frances L.; Clarke, Rowena; Clark, Vera M.; Kucera, Anna; Lipsit, V. Fay; Roberts, Hazel V.; Smith, Alleta; Stewart, Mrs. Kathleen A. K.; Thompson, S. Olive; Thompson, Mrs. Philippa K.; Watson, Mrs. Cathleen J.

Homemaker Class—Brydon, M. Elizabeth; Campbell, Nora N.; Commins, Beatrice; Davison, Alice M.; Grant, Mary I.; Holmes, Betty; Jackson, Mary B.; Johnson, Alyce A.; Ker, Marion M.; Lawson, H. Ruth; McEvoy, Winnifred B.; Nowers, Peggy A.; Shuttleworth, Grace E.; Thomson, Joan; Tough, Georgena; Tubby, Phyllis L.; Vidt, Lyle G.
Alumni Day Attracts Many Graduates

Record Entry in Golf Tournament

OVER six hundred graduates of the O.A.C. and Macdonald Institute, returned to the College on June twenty-fourth for the annual summer reunion. Almost every year was represented on the campus, and enthusiasm ran high among the handshakers, backslappers and guess-who-I-ams. Distance is apparently no obstacle when the time is ripe for a class reunion, as one member of Class ’23, Mr. Gordon Beattie, crossed the Sahara Desert from Kano, Northern Nigeria, to join the revelry at the Royal Hotel.

The forenoon of Alumni Day was featured by a golf tournament on the Cutten Fields. Some sixty-three “Old Boys” displayed their weakness for (and at) the Royal and Ancient Game, and although evidence on some of the scores was hard to collect, the following results were posted at noon:

“A” FLIGHT—UNDER 21 HANDICAP

Low gross, 18 holes—W. R. Wilson, Toronto.
Low gross, 1st 9 holes—J. R. Peet, O.A.C.
Low gross, 2nd 9 holes—Dr. Christie, O.A.C.
Low net, 1st 9 holes—J. E. Percival, J. B. Fairbairn, A. Bland, and R. S. Duncan, all of Toronto.
Low net, 2nd 9 holes—C. E. Robinson, Toronto.

“B” FLIGHT—21 AND OVER

Low net, 18 holes—A. G. Richmond, Toronto.
Low gross, 18 holes—E. G. Goring, O.A.C.
Low gross, 1st 9 holes—E. K. Hampson, Hamilton.
Low gross, 2nd 9 holes—C. H. Reeve, Toronto.
Low net, 1st 9 holes—H. E. Presant, Blenheim.
Low net, 2nd 9 holes—F. Parish, Toronto.
Highest score—F. Hamilton, O.A.C.

The remainder of the players are listed as follows—

H. McElroy, Burlington; H. Watson, Toronto; J. A. Carroll,

LUNCHEON

The graduates were guests of the College at a luncheon in Creelman Hall. Dr. Christie gave a short address of welcome, and introduced a few of the guests at the head table, paying special tribute to Mrs. G. C. Creelman, after whose husband the hall had been named; Mrs. Katherine Fuller, whom, the speaker said, had successfully withstood the attacks of the O.A.C. for twenty-seven years during her superintendancy of Macdonald Hall; Professor H. L. Hutt, former head of the Department of Horticulture, and Professor H. H. Dean, formerly head of the Dairy Department.

Mr. R. W. Wade, Chief of the Livestock Branch, also addressed the gathering, and in a humorous vein presented a new suggestion for the relief of the depression. "What we have," said the speaker, "is over production, therefore, what we need is poorer farming so that we will not produce so much." Mr. Wade continued in a serious mood, stating that it was apparent that those who had made the most money were not necessarily the most valuable members of a community, but that it was the class of people who were building for others, as well as themselves, whose lives would mean most in the development of the country. The speaker concluded his remarks by referring to the opportunities for service offered to O.A.C. men throughout the province, owing to the nature of their training and work.
MEMORIAL SERVICE

After lunchen the graduates adjourned to War Memorial Hall, where a short memorial service took place in memory of graduates, members of the staff, and ex-students who had died during the year. The roll was read by Professor Jones, and a short address was delivered by Professor H. H. Dean. Professor Raithby sang at the conclusion of the service.

A baseball game, in which Class '13, proved that "Old Aggies never die, but just get tough with age," was the feature of the afternoon programme. The final score stood 16 to 13 with Class '13 on top, and '23 wondering what the old boys had had in the way of liquid refreshments at their reunion on the previous evening.

In order to get an unbiased story of the game, the Review approached a member of the '13 team who appeared to be sorry that '23 had lost. His version hastily scribbled on the back of an insurance policy, is as follows:—

Class '13 are still up as the result of a signal victory over '23 at the annual reunion and field day on June 24th. It was shouted about the corridors and campus that Class '23 had a ball team, but Year '13 were just as proud of their ball-tossers of the dim and distant past, although modesty prevented them from boasting of their prowess, and challenges came thick and fast.

The betting favoured '23, owing, perhaps, to their extreme youth, but the story was told in the first innings. It was evident that '13 had their batting eye, and that "Honey" Jarvis, who was a constant source of trouble to the '23 batsmen, had lost none of his speed or twist in twenty years. "Allan Hanbury" Jackson, behind the bat for '13, seemed to have lost a bit of the old snap in his peg to second, but he added wonderful weight to the team, and certainly missed nothing.

Professor Blackwood, Honorary President of '23, pitched a nice game, but his loops were of no avail against the determined stick-work of '13. He was also unfortunate in picking a day when his infield was working erratically.

"Glad" Palmer, on first, fielded his position in his usual faultless form, and "Catawba" Neff, on third, did a great deal of heavy stickwork, that gave the opposing outfield some much-needed exercise.
THE LINE-UPS


Class '23 cannot offer lack of substitutes as an excuse for loosing the game, as the following lengthy list was appended to their lineup:

Subs., due to excessive heat—Ed. Miller, Altie Altenburg, Tommy Blow.

Benchwarmers—Army Armstrong, Aubrey Garner, Nellie Rutherford, Fred Presant, Pilkie Pilkington, Art Richmond, Keith Riddell and Dad Thomas.

Golf, both "barnyard" and regular, provided plenty of action for the few who did not follow the "big leaguers."

MACDONALD ALUMNAE MEETING

Members of the Macdonald Alumnae held their annual meeting during the afternoon, at which they were addressed by Miss Margaret McCready, of Hamilton, and officers for the year were elected as follows:

Honorary Presidents—Miss Olive Cruikshank, Miss Watson.
President—Mrs. Frank Morwick, Guelph.
First Vice-President—Miss Frances Nunan, Guelph.
Second Vice-President—Miss Helen Pettit, Guelph.
Secretary—Mrs. A. Wallberg, Guelph.
Treasurer—Mrs. D. R. Sands, Guelph.

The officers of the O.A.C. Alumni had been elected at a meeting earlier in the year in Toronto.

The graduates were again guests of the College for dinner, and the day was brought to a successful conclusion by the presentation of the faculty play, "City Rubes," "the play with the hidden plot."
Dr. George C. Creelman
The Story of a Personality
by J. B. Fairbairn

The late Dr. George C. Creelman was a member of the first class of graduates from the Ontario Agricultural College with the degree of B.S.A. He became the third President of the Institution, and had the unique distinction of being the first graduate to be so honoured. Dr. Creelman possessed a most lovable and gracious personality. He was always amiable and approachable. He liked people and had the capacity to work with them. He was known far and wide for his apt and ready wit, and his services were much in demand as an after-dinner speaker. He was particularly resourceful on impromptu occasions, and several times refused invitations to enter the political arena.

The Creelmans first took root in Canada in the Maritime Province of Nova Scotia. Transplanted from the north of Ireland, the early settlers thrived in Nova Scotia until to-day they have become a host. Out along the eastern shore as far as New York are to be found prosperous and respected men bearing this name, that savors of the sea. Some seventy years and more ago one member of the family came west and took up his home near the Town of Collingwood. Following family traditions, a large family grew up. It has frequently been noticed that the strong qualities of the Maritime folk develop more rapidly in the west than along the Atlantic shores, or on the tidal waters of the Gulf. The members of the Creelman family have had the knack of getting on, and one about whom I write was no exception to that rule.

George Christie Creelman was born in the County of Simcoe.

* This is the sixth of a series of articles dealing with O. A. C. men who have become college presidents.
The above interesting group includes Dr. C. A. Zavitz, J. J. Fee, B. E. Paterson, Dr. G. C. Creelman, four of the first class of five to graduate from the University of Toronto, with the degree of B. S. A.

near the Town of Collingwood, on the 9th day of May, 1869. He received his early education in the public and high schools located near his home, and in the fall of 1885 entered as a freshman at the Ontario Agricultural College. He was one of the first class of five to be graduated from the University of Toronto in 1888 with the degree of B.S.A. Other members of this illustrious graduating class were Dr. C. A. Zavitz, A. J. Craig, J. J. Fee, and B. E. Paterson. Of these, Dr. Zavitz, Mr. Fee and Mr. Paterson are still living and taking an active part in the business and political life of the Dominion.

Following graduation Dr. Creelman received an appointment as Assistant Professor on the Staff of the Mississippi Agricultural and Mechanical Arts College. Three years later he was promoted to full Professorship. In 1892 he married Miss Ada Mills, daughter of the late Dr. James Mills, who survives him. He remained in Mississippi until 1898. During this period he was successful in securing his Master's Degree, and in addition to teaching Botany and Veterinary Science, he also took an active part in the athletic activities of the students with whom he was so closely associated.
Shortly after returning to Ontario he was appointed Superintendent of Farmers' Institutes, Secretary of Fairs and Exhibitions and Secretary of the Ontario Fruit Growers' Association. In February, 1904, the position of President of the College became vacant. The late Dr. James Mills, so very well known to many graduates and ex-students, was appointed to the Dominion Railway Board, and there was no delay in the appointment of his successor.

The Minister of Agriculture of that day was the Honourable John Dryden, grandfather of one of to-day's students. Due to his vision and foresight in appointing Dr. Creelman as its new President, the College at Guelph became internationally famous. The officers of the Institution were loyal to a man and all worked energetically and cheerfully for the advancement of the interests of our most important industry. If the students, during the years of 1904 to 1920, did not receive encouragement and inspiration in their work, the fault did not lie with the President.

In 1908 the Board of Governors of McMaster University, recognizing Dr. Creelman's ability as an administrator and as a leader in the agricultural life of this Province, saw fit to honour him with the degree of Doctor of Law. This tribute was a deserved honour, not only to the man but to the College and the industry which he represented. The honour thus conferred was a real delight to a legion of friends and acquaintances. During the period of 1917 and 1918, while Sir Wm. Hearst was acting Minister of Agriculture, Dr. Creelman was appointed Commissioner of Agriculture, and during those trying years assumed responsibility for the administration of a busy Department of the Government Service.

Dr. Creelman remained as President until the year 1920, when he was promoted to the highest position in the gift of the Government, namely, that of Agent-General for Ontario in the British Isles. Shortly after assuming his new duties at London, England, ill-health overtook him, and in 1921 he was compelled to retire. From 1921 to 1929 he resided on a farm near Beamsville, and during those years he was often heard to say, "that he sat by the side of the road and watched the world go by." Death came with startling suddenness on the 18th of April, 1929.

Dr. Creelman never dragged about with him the accumul-
World's Grain Exhibition and Conference

College Well Represented at Regina

FROM July 24th to August 5th, Regina will be the centre of the most important gathering ever held, directly in the interests of agriculture. Delegates, many of international repute, will be present at the Conference, representing practically all the cereal-producing countries of the world, and much good, both economic and technical, should result from their deliberations. It is unfortunate that the Exhibition and Conference comes in a time of financial depression, but the idea was conceived in a better day, and it is probable that the discussions will be of more benefit to all concerned, as the result of the problems that the represented nations have faced during the past three years.

Of the World's Grain Exhibition and Conference, *Scientific Agriculture* says:—

"As the opening of the World's Grain Exhibition and Conference draws near it becomes apparent that it will be a landmark in the history of Western Canada." While world conditions have altered markedly since the original plans for the show were made, it has been possible to retain the main features and strengthen them in many respects."

"The Grain Exhibition, coming at the same time and on the same grounds as the Saskatchewan Provincial Exhibition, will ensure the largest and most varied show ever staged in Western Canada." "Many of the government displays were built originally for Wembley and Argentine and there are additional educational exhibits presenting the work of the different agricultural services of the Dominion." Foreign governments are staging attractive displays of their natural resources and products, and commercial and industrial organizations have taken thousands of feet of space." "The competitive exhibits of grain number 2,700 from over forty countries, states and provinces."

"The Grain Conference has developed into one of the most important educational gatherings ever held in Canada." "Science
turns its light on the whole range of activities in the production and marketing of grain from the bacterial life in the soil that forms the seed-bed to the final analysis of the protein content of the wheat and the baking of the bread in European laboratories." "One will be able to follow the work of the scientist in every phase of the world production and movement of bread grains in papers which will be read at the Conference and published later in the Proceedings." "Taken in all its phases, the World's Grain Exhibition and Conference will be not only of immense educational value to Western Canada, but an important step in the better understanding of the great international problem of food production and distribution."

**ONTARIO'S EXHIBIT AT THE GRAIN SHOW**

The Ontario Government displays in the new exhibition building, will have a total frontage of 240 feet. Of this, 120 feet will be occupied by the Department of Agriculture, and the remainder will be divided between the Departments of Forestry, Mines and Health. The agricultural exhibit is entirely a product of the Extension Department of the Ontario Agricultural College.

The exhibit is divided into five equal units, which are perfectly balanced about a central feature, and give a remarkable comprehensive picture of Ontario agriculture. The central section, which is in the form of an arch, provides the key to the whole scheme with the caption:

**ONTARIO AGRICULTURE**

A Well Balanced System, With Much Livestock and

Regular Rotation of Crops

Below this title an eight foot wheel, to which are attached neat samples of Ontario crops, revolves, presenting very forcefully the idea of systematic rotation. Pilasters on either side of this feature carry pictures of Ontario farm scenes, while at their tops are large photographs of the Premier and Minister of Agriculture.

On either side of the central display are units telling the story of the legume and cereal crops in Ontario, and at the extreme ends of the exhibit certain features of the poultry and livestock industry are depicted.
The plant breeding work done by the College, is well illustrated in the panel dealing with cereals. A model of the College Administration building has been set up in front of an excellent painting of the famous O.A.C. experimental plots, and the realistic effect should do much to link the College and Ontario Agriculture together in the minds of the spectators. This panel is bounded at the sides by eight sheaves of cereal grains representing varieties originated at the O. A. C. At the base of each sheaf is a sample of the threshed grain, and the whole appears under the appropriate caption, Cereal Varieties Bred in Ontario for Ontario Conditions.

On the right of the central section, the legume exhibit is designed to balance that of the cereals. It also has a central panel which, demonstrates, with the aid of coloured drawings, the fact that the blossoms of common alfalfa are violet, while in hardy alfalfa, the only type suitable under Canadian conditions, the colour ranges through various shades and tints of blue, green, yellow, brown and violet. To the left of this panel is a large Riker mount demonstrating the fodder and hay legumes, Alfalfa, Sweet Clover and Red Clover, and to the right is a similar display of the legumes for grain, Soy Beans, Field Beans and Field Peas. In front of this exhibit are baskets containing samples of legume grains, and cut and uncut, legume hay.

The unit dealing with the poultry industry is on the extreme left of the exhibit. It is very similar to the one set up at the Canadian National Exhibition, at Toronto in 1932, and demonstrates young chicks on self-choice rations, an experiment that has resulted in the O. A. C. Cafeteria ration.

The livestock display, which balances that of the poultry, is a repetition of the Hog Grading Exhibit, which brought the College much honour at the Chicago show of 1931.

On either side of each unit is a pilaster, similar to the ones on the central feature, but having the Ontario Coat of Arms, in full colour, together with the name of the Province in place of the pictures of Col. Kennedy and Premier Henry.

The exhibit is a large one, hence, many problems had to be met, both in design and construction. Great credit is due, therefore, to the Department of Extension, in achieving a display of such simplicity and balance, and yet one that tells completely and well the story of Ontario Agriculture.
JUDGING TEAM HAS GOOD PROSPECTS

The team that will represent the College at the Exhibition is one of the best trained groups that ever carried the College name in a grain judging competition. The four men, chosen through a process of elimination, are: A. W. Archibald, '34; Bruce Cohoe, '33; Chas. Heath, '34, and Norman Hogg, '33. These men have gone over some one hundred and eighty classes of grain and small seed, in competition since last October, and there is little or nothing to choose between them, as grain judges.

Archibald and Hogg are both judges of considerable experience, having both won firsts in the Junior Farmers' Competitions at the Canadian National Exhibition, while Cohoe and Heath are both keen exhibitors at the College Royal. Three men will judge at Regina, but the team will not be named until the men arrive in that city.

There will be eleven classes of grain and small seed in the Inter-College Competition, with a silver trophy for the team winning the Grand Aggregate, and valuable scholarships and prizes for the Individual Aggregate, and High Individuals in each class.

PROFESSOR SQUIRRELL HONOURED

The announcement that Professor Squirrell has been selected as one of the fourteen judges at the Grain Show, brings great honour, not only to the popular head of the Field Husbandry Department, but to the College. These men have been selected from the outstanding grain judges of Europe, United States and Canada, and the inclusion of Professor Squirrell in this important group is an indication of the place occupied by the Department in the agricultural world.

Dr. McConkey and Professor Squirrell, are both giving papers before the Agronomy Section of the Conference. The title of Dr. McConkey's paper is, "Pasture Improvement in North Eastern America, Through the Use of Improved Strains of Grasses and Clovers," and Professor Squirrell is taking as his subject, "The Development of the Soybean in Canada." Dr. Christie will also attend the conference in his capacity as President of the Canadian Society of Technical Agriculturists. This organization is holding its annual meeting in connection with the Conference.

To all those who are going to Regina, especially to the team, who are motoring, the Review wishes the best of luck, and expresses the confidence that they will do their best to bring fresh honour to the College.
Farm and Home Week Brings Ten Thousand Visitors

Over ten thousand Ontario farm folk visited the College during the 1933 Farm and Home Week. This represents an increase of about four thousand over last year's attendance, and not only indicates better times, but reflects the ever-increasing interest being taken by the Ontario farmers in their College.

The programme, which was under the direction of Professor Buchanan, provided for tours of inspection to several of the departments, where lectures and demonstrations were given on subjects of interest to the farmers. A special morning programme of demonstrations for the ladies was also provided, each day, in Macdonald Institute. Exhibits, illustrating interesting phases of the work of each department, proved to be great attractions on both sides of the campus.

The visitors were entertained in Memorial Hall, each afternoon, where they were led in community singing, and addressed by Dr. Christie. In this way a personal contact was made with many of the guests.

The evening entertainment in Memorial Hall was largely of a dramatic character, designed to show the visitors what could be done in the way of amateur theatricals, at very little expense. The faculty assisted in the programme by presenting the play entitled "City Rubes." Although the comedy was of the slapdash variety, the acting and singing were good, and the performance of Stilwell and Thompson, as the Jewish and Irish "rubes" would have to be seen to be believed. Two short plays, by groups from Peel and Halton Counties, were also presented during the week.

From the standpoint of numbers and enthusiasm, this year's Farm and Home Week was the most successful that has been held for some time, and Director Buchanan and his assistants are to be congratulated on the manner in which all the details of the programme were carried out.
Dr. Christie Speaks in Quebec

During the week of June 4th, Dr. Christie made a trip through the Province of Quebec, in the interests of the Canadian Society of Technical Agriculturists, of which he is President. He was accompanied by Mr. H. L. Trueman, General Secretary of the organization, and visits were made to local groups at Macdonald College, Montreal and Quebec City.

Speaking at a luncheon in Montreal, Dr. Christie said that the Canadian farmers should not cast envious eyes towards the United States, with its new agricultural legislation. "In Canada we need a little better understanding of our problem," the speaker stated, "and a willingness to plan and work out this problem." Although the United States agricultural legislation had succeeded to a certain degree in bringing agricultural producers and consumers together, it was felt that it would fail in its ultimate objective, the control of production.

One of Canada's great needs, the President continued, was a better understanding between the farmers and businessmen. These two groups have common interests, and should co-operate in every possible way.

While in Quebec City, the opportunity was taken to see some of the work carried on by the Quebec Department of Agriculture, through Demonstration Farms. These farms are privately owned, but are under the supervision of members of the Department, who direct the organization and cropping system.

Such a system has been found very effective in Quebec, and is giving much helpful information.

Returning from Quebec a visit was made to L'Ecole de Laiterie, at St. Hyacinthe, where a great deal of work is being done with the French-Canadian cattle. These cattle, belonging to a very hardy race originating in Normandy, are ideally suited to Quebec farming conditions, and officials of L'Ecole de Laiterie are endeavouring to select typical animals throughout the Province, and develop the breed on a scientific basis. With good management the average French-Canadian cow will produce from 12-14,000 pounds of milk, having a test ranging from 4.5%-5.16%. This would indicate that with scientific breeding a very desirable animal will be produced.

While on the trip Dr. Christie spoke at two Holstein Field
Days, the first at Premier Henry's farm, and the second at Hampton, Ontario. While at the former meeting an opportunity was given the breeders to inspect the Premier's new bull, King Bessie Ormsby Pietertje 37th. This bull, which is now the junior sire for the Premier's herd at Oriole Lodge, was purchased from the famous Elmwood Farms, of Deerfield, Illinois. He is by Sir King Bessie Ormsby Pietertje, famous sire of All-American animals, and, himself, a holder of a number of All-American designations. Sir King Bessie Ormsby Pietertje is the son of the great Elmwood foundation cow, Queen Bessie, who has four records averaging over 1,200 lb. butter. The dam of the Henry sire has, to date, only a two-year-old record to her credit, but that, one of 800 lbs. of butter, with a 4 per cent. test. Her dam, however, was the 1,216 lb. three-year-old Maxview Model Fayne, while she, herself, is a daughter of the six times All-American sire, the noted Sir Fobes Ormsby Hengerveid. The new Oriole Lodge sire thus brings to Canada an abundance of show and record backing on both sides of his pedigree.

In his address to the breeders Dr. Christie emphasized the important part played by the livestock showmen and breeders of high-class stock in the general improvement of the Ontario herds. He pointed out that it would be only a matter of time before the blood of a valuable animal such as the Premier's new herd sire, would be widely distributed throughout the province, through his progeny, which any good farmer could afford to buy.

At Hampton the President urged upon the stockmen the importance of paying more attention to the fat content of milk. He drew attention to the dissatisfaction that is being voiced in the cheese factory areas on this score, and stated that what the general farmer of Ontario needs is a large bodied cow that is satisfactory for beef purposes, and gives plenty of milk with a reasonable test.

Degrees Granted for Graduate Studies in Agriculture

The following students received the degree of Master of Science in Agriculture, at the University Commencement, on June 8th, 1933:—

Victor Albert Archer, B.S.A., McGill.
Carl Edmund Atwood, B.S.A., McGill.
Chas. McKittrick Collins, B.S.A., McGill.
John Joseph Lehane, B.Sc., Alberta.

(None of these students took their graduate work at the College).

The following students received the degree of Doctor of Philosophy:—

H. D. Branion, M.A., who has been a member of the staff of our Poultry Department for the past three years, and who has been carrying on research work in Poultry.

William Richard Graham, M.S.A., who graduated from the O.A.C. in 1929, secured his Master's Degree in 1931, and has been carrying on research work at the University of Toronto for four years.

Thomas Hughes Jukes, who graduated from the O.A.C. in 1930, and who has been carrying on research work in the Department of Biochemistry at the University of Toronto since that time.

Henrik Wilhelm Lohse, who took his undergraduate work in Copenhagen, and his M.S.A. at the University of Toronto in 1932. Mr. Lohse is a member of the staff of our Chemistry Department.

Boris Peter Skey, who took his undergraduate work at the Prague Agricultural College, Czechoslovakia, and his M.S.A. at the University of Toronto in 1931. Mr. Skey was for three years attached to our Department of Agricultural Economics for his Master's work, and has since been with the Ontario Research Foundation, doing investigation work in Co-operative Marketing in Ontario.

Baccalaureate Service

The annual Baccalaureate Service for the graduating students of O.A.C., Macdonald Institute, O.V.C. and Trent Institute, took place on Sunday, April 9th.
The speaker, Dr. J. E. Hughson, of the First United Church, Hamilton, delivered a message, full of thought and inspiration, that made a strong appeal to the large audience.

Following the service, tea was served in the Cafeteria for the guests, members of the graduating classes and faculty.

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**O. V. C. Convocation**

**Seventeen Men Receive Degree**

The brief but impressive O. V. C. Convocation took place in the Senate Chamber of the University of Toronto, on Friday evening, May fifth.

Sir William Mulock conferred the degrees and presented the prizes. Colonel Kennedy, the Honourable Minister of Agriculture, spoke briefly on the importance of the veterinary profession in the development of an agricultural country such as Canada, and the men were welcomed to their new status as graduates of the University of Toronto, by the President, Dr. Cody.

Dr. Christie represented the O.A.C. and took part in the exercises.

Degrees and awards were granted to the following men:—Gold medal for highest standing, to Hj T. Batt, Guelph; A. F. Bain, Guelph, and H. A. Fraser, of British Guiana, tying for second place; the third prize went to O. S. Nordland, of Winnipeg. The graduating members besides those above mentioned were R. J. Bilyea, Guelph; M. O. Bingeman, Waterloo; W. J. Boyd, Harrow; M. E. Epperson, Missouri; R. T. Gilbert, Moncton, New Brunswick; C. W. Gollehon, Nebraska; F. K. Jensen, Minnesota; C. H. Kable, West Virginia; D. L. MacLean, Winchester; R. E. Nichols, New York; G. Rankin, Manitoba; F. R. Rasmussen, Minnesota; and E. A. Willick, Fort Erie.

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**Scholarship Winners Make Interesting Trip**

Five O.A.C. students, winners of the Thos. E. Wilson Scholarships, offered to the graduates of the London Collegiates, spent several days in Chicago, as guests of Mr. Wilson.

(Continued on page 514)
The British
Colonial Agricultural Service

J. M. S. Wilson, B.S.A.

It is only in the last few years that agriculture in the British Colonies has received a place of prominence. Formerly the administrative officer, or Political Officer, as he used to be called, was chief magistrate, prison warden, land surveyor, agricultural and medical officer, sanitary inspector, or in other words he had to fill any or all the numerous offices that crop up in a Government service.

It has been realized that the surest way to educate the natives of the British Colonies, and raise their standard of living is by improving the stable industry of the country, and in most of the British Protectorates this means "Agriculture." It was because of this fact that the Colonial Agricultural Service has been enlarged, and now commands a very prominent place. The number of officers has been increased, and it is hoped to increase them still further.

About four or five years ago it was decided to give a number of two-year scholarships to men entering the service to enable them to gain experience in experimental work and tropical agriculture. The first year of the scholarship is tenable at Cambridge University, and it is spent mainly as experimental work. The object of this year is two-fold, the Cambridge School of Agriculture is recognized as one of the foremost in England for statistical experimental work. Students, therefore, receive the best training possible for agricultural work. The second advantage is that the men entering the administrative side of the service receive their training in Cambridge. A Colonial Service Club has been formed so that probationers in the two branches of the service are able to meet each other and form friendships which are likely to be of great value in future years.

If any radical changes are to be made in the native methods of agriculture, these changes can only be brought about through close co-operation between the agricultural and administrative

J. M. S. Wilson, better known as "Jimmie" to his classmates of Year '32, is at present studying at Cambridge, for the Colonial Service.
officers. One man's territory is generally so large that it is impossible for him to know all the farmers in his district, and, therefore, it is up to the administrative officer to help him with the agricultural work. If they disagree the native at once becomes suspicious and refuses to take either man's advice. The Club gives an excellent opportunity for men entering both sides of the service to learn something about the other man's work, and to meet people who have had experience in the service, and by the discussions that follow the new men are better able to tackle many problems when they come up against them for the first time. One is able also to pick up useful information concerning the native life and some of their peculiar habits.

The second year of the scholarship is spent at the Imperial College of Tropical Agriculture in Trinidad. Here the majority of scholars receive their first experiences of tropical agriculture, which as might be readily expected is absolutely different from that of the temperate zones. The study of tropical crop husbandry is the main work, but tropical hygiene, and such subjects as mycology and entomology are also studied. Next year it is intended to give a course of "Native law," so that the agricultural officers will be better able to draw up any proposed legislation that might be helpful for the improvement of local conditions and the control of insect pests, etc.

The actual work in the colonies is very similar to the agricultural organization in Ontario. There are a number of general officers in charge of large districts, and in each province there is an experimental station, where specialists such as plant-breeders, soil scientists, etc., are stationed. The government also owns a number of plantations, the management of which means more jobs for the agriculturists. The pay in the service is fairly good, starting at about $2,000 a year, and rising up to $3,500 or higher, with a good pension if one has to leave the service owing to ill-health. One of the best points in the service is the furlough, the length of which differs according to the climate, on the average it is about one year for every four to seven years spent in the tropics. Besides the long furlough one gets about three weeks vacation in the year and all the bank holidays.
The announcement has been released by the Danforth Foundation, of St. Louis, Mo., that Alfred Hales, of Class '34, has been selected for the Danforth Fellowship, for 1933.

This Fellowship is offered by the President of the Ralston Purina Co., of St. Louis, to one student from each of twenty-nine State Agricultural College, and the O. A. C. It calls for four weeks training in business and agricultural leadership.

The group of thirty men, of which Hales will be the only Canadian, will gather at St. Louis, on August 7, and for two weeks will be actively engaged in a study of the operation of large business organizations. They will then spend two weeks at the American Youth Foundation Camp, at Shelby, on the shore of Lake Michigan, where a strenuous course in leadership will be given, along with other young people from all over the States.

According to the established custom, three candidates are selected by the faculty of each college, and from these one is picked by the Danforth Foundation, as the man whose ability and experience seems to make him the best qualified for the training.

Alf. is well fitted to benefit by further training in Agricultural Leadership. He is the type of conscientious worker who does his job both quietly and thoroughly, and hence, as anyone who has worked with him during a Conversat or College Royal will agree, can accomplish a great deal more than most persons.

Hales has been a member of the first rugby team since his Freshman year, and his versatility is indicated by a Student Council "A," which he won in his second year. During the past year Alf. was Vice-President of Class '34, and he will be President of the 1934 College Royal.

Alf.'s many friends will be pleased to learn of the honour that has come to him, and he will have the best wishes of his classmates of Years '33 and '34 as he goes to St. Louis.
The '05 Scholarship
Awarded to A. W. Archibald

The announcement that A. W. Archibald has been awarded the '05 Scholarship, in recognition of his all round ability, will meet with the heartiest approval of the student body.

Bill is probably best known about the College as one of the cleverest boxers to ever wear the Red and Blue, and his prowess in the ring was recently rewarded with a letter "O." As a student, however, Bill has an enviable record, having more than once led his year, and his ability in the practical studies is well attested by many College Royal ribbons, and by the fact that he has earned a place on the Regina grain judging team.

At present Bill holds a very responsible position as President of the Athletic Association, and he is carrying out his executive duties with his characteristic punch.

This brief record is by no means an exhaustive list of Archibald's activities, and it is felt that his truly "all round" ability will soon carry him to the top in the larger fight after graduation.

The Review, on behalf of the student body, takes this opportunity to congratulate Bill, and others who have won prizes or scholarships during the college year.

Medals, Scholarships and Prizes
Awarded. April 1933

Governor-General's Silver Medal
For general proficiency, first and second year work—Miss Regina van der Hoorn, Cavan, Ont. Average 88.8%.

George Chapman Scholarship
$20 in cash for proficiency in English (Degree Course), first and second years—Miss Regina van der Hoorn, Cavan, Ont. Average 83.7%.
Second Year Special Essay
$10 in cash—G. C. Trenamen, 99 Blake St., Hamilton, Ont.

General Proficiency Prize—First Two Years
$10 in cash—Miss Regina van der Hoorn, Cavan, Ont. Average 88.8%.

Scholarships of $25 each Awarded for Proficiency in Groups of Subjects as Outlined in the Calendar

First Year—Degree Class
Group 1—W. Butt, 1819 Glenholme Ave., Niagara Falls. Average 85.9%.
Group 2—E. R. Sexsmith, 388 King St. W., Chatham. Average 81.7%.
Group 3—H. H. Stenson, Sheridan, Ont. Average 87.5%.
Group 4—W. G. Tolton, 30 Bracondale Ave., Toronto. Average 86.0%.

First Year—Associate Class
Group 1—A. W. Davidson, Agincourt. Average 83.5%.
Group 2—H. S. Bauman, R. R. No. 3, Wallenstein. Average 88.2%.
Group 3—J. H. Ballantyne, R. R. No. 2, St. Paul’s Station. Average 91.6%.
Group 4—W. E. McKinney, R. R. No. 3, Brampton. Average 79%.

Fowler Scholarship
Highest in general proficiency in judging live stock in the first two years—P. D. Armstrong, R. R. No. 2, St. Paul’s Station, Ont.

Class ’24 Medal
Highest in general proficiency in Animal Husbandry in the first two years of the Associate Course—H. H. G. Strang, R. R. No. 1, Hensall, Ont.

Class ’28 Medals for Inter-Year Debating
Class ’24
F. K. Anderson, 8 Duff St., Hamilton, Ont.
R. W. Greenwood, Fruitland, Ont.
J. M. N. Jackson, Wexford, Ireland.
F. T. Parkin, 92 Eastbourne Ave., Hamilton, Ont.

Class ’28 Prizes
Winners of Public Speaking Contest
First ($30)—W. G. Godfrey, R. R. No. 1, St. Williams, Ont.
Second ($20)—W. G. Tolton, 30 Bracondale Ave., Toronto, Ont.

James M. Christie Gold Medal
Highest in Proficiency—Dairy School
G. J. Richardson, R. R. No. 1, St. Paul’s, Ont.

Rose Society of Ontario—Silver Challenge Cup and Medals
The Rose Society of Ontario has donated a silver challenge cup to be competed for annually in judging roses at the Ontario Agricultural College. Miniature replicas of the cup are given to the winners each year, and medals to those standing second and third in the competition.
The Social Factor in Rural Education

C. D. Hutchings, '35

It is well known that the population of our cities and towns is recruited to a considerable extent from rural communities, and in this respect, rural social and economic life is the basis upon which is built the structure of national, social and economic life. In addition, a large proportion of the population of Canada is in rural districts; therefore, it becomes increasingly obvious that educational movements in rural circles are fundamentally important.

Farmers in most cases are penalized by the existing conditions when they desire to educate their children. There is more expense and a considerably greater amount of inconvenience involved in the attendance of a rural youth at a high school located in the city, than is there involved by the attendance of a city boy or girl at the same school. It is wrong for such a condition to exist, for agriculture in all its aspects involves more sciences and arts than does any other industry. In addition to this, it is offered as an objection to the city educated rural youth, and even to the curriculum of a country school, that the educational system employed tends to lead a youth away from interest in things agricultural. In reality, however, this is scarcely true, for the spoken or written word is identical either in a city, or a country village, and the incidentals of arithmetic, history and Latin, are merely means of training the mind. It must be conceded, however, that a different technique, and a somewhat changed curriculum might be employed. The fundamental factors of life, of nature, and of cosmos, are to be met with daily in ordinary farm life, and perhaps comparisons and examples might be drawn from things agricultural, for the purport of education, rather than from industrial sources.

The very beginning of rural education is, of course, in the

The above article is taken from an examination paper in Rural Sociology in the Economics department. It presents very clearly some of the difficulties that stand in the way of better rural education, and suggests practical means of overcoming them. The article is published with the permission of the writer.
little country school, and many improvements might be made on the average country school. To begin with, a school is often comprised of perhaps ten pupils, of irregular attendance at that. What a narrow scope for the broadening of minds, and the developing of powers of observation, is offered. How little stimulation by competition is available, and how infinitesimal are the ameliorating factors so necessary for the development of a social instinct. Man is essentially a social animal, but a one-room country school, with its lack of equipment, its low-salaried and possibly incompetent teacher—and its recreational limitations, is sadly inadequate to begin the education of a man, who may some day expect to use or demonstrate the practices and expound the principles of such a comprehensive industry as agriculture.

There are various methods of improvements suggested: the consolidations of schools, the employment of more competent teachers, a reorganization of the curriculum, a change in the administration, for example, the formation of a county council board with a member from each school district, in contrast to the more common, local board of trustees. All of these things, however, are influenced by other factors of country life, such as living conditions, the general attitude towards world problems, and the class of people.

The question of improving rural education, therefore, is not as simple as it might at first appear. We find that the present educational system reflects, to a large extent, the attitude of the farming community, and as the farmer's thinking is influenced by the surrounding social conditions, these must be rectified before any progressive change can be made in the educational system.

The social and economic life of a country community, in respect to work and recreation, is totally different from that found in the city. The farm home is isolated by hundreds of acres, and the dwellers therein are naturally also isolated, not only by space, but in mind. Life becomes self-centred to a certain extent, and oftentimes a fatalistic attitude towards life is manifested, which, however, might be interpreted as a religious consciousness, and a faith in the infinite. To illustrate here—in the round of his year's work—a farmer is called upon to combat some disease, or other adverse conditions, and he is also obliged to stimulate some beneficial condition. In one year
he may spend a considerable sum in spraying against apple scab, and yet it is quite within the grounds of possibility that despite the spraying, there may be an outbreak of scab. On the other hand, he may not be able to afford the expense of spraying, and yet reap a good crop. These fundamental conditions of life become a part of a farmer's nature, and are reflected in his attitude toward other activities.

A farmer's life is restricted socially in many ways. The nature of his work tends to develop heavy muscles, and does not encourage the development of a keen, alert mind. Therefore, the farmer is not as quick in his reactions, and in consideration of social problems as he might be. A tennis court might be considered to be an anachronism on a farm, but in reality, a farm is the very place for a tennis court, serving to quicken muscles, thoughts, reactions, and raise the morale of the farmer.

In a country village the church is usually the pivot upon which all other aspects of life revolve, and necessarily so, for, as mentioned before, a religious attitude and a high state of morality are necessary for those who may largely be recruited to urban populations. Although a recreational programme under the auspices of the church is very beneficial, much could be done to improve the existing “all-the-year-round” social programme. An organized group to study local conditions, existing organizations, class of people, their inclinations and chief deficiencies, and the opportunities offered for a good social programme under efficient leadership, would do a great deal of good. A cycle of concerts, card games, athletic meets, dances, and festivals, could then be intelligently planned, and conscientiously undertaken. Such a programme would do much to brighten the tone, alleviate the drudgery, elevate the morale, and make a good sound means of constructive, and instructive pleasure.

Such improvement in the social condition of any community would soon be reflected in a changed attitude toward education in that district. It would then not be difficult to raise the standard of rural education, which, as pointed out at the beginning of this article, is of fundamental importance to our country.
Senior Managers and Lettermen

Athletic Awards Announced for 1933

Some thirty men, cream of the O. A. C.'s athletes, have been awarded their letter "O" this year, in recognition of their athletic ability and sportsmanship.

Since the qualifications for the "O" were revised a few years ago, only men of outstanding ability are eligible for the award. It is interesting to note, however, that despite the stringent regulations, the "O" is still within reach of almost any student who likes athletics, and is willing to persevere in both his training and studies. Good coaching and a reward worth working for, have awakened a new and healthy interest in athletics at the College, and the Review, on behalf of the student body, takes this opportunity to congratulate the men who have worked hard to bring honour, both to the College and themselves.

The above picture includes:—

Back Row, (Managers)—
D. C. Reid, Rugby
R. R. Potter, Hockey
THE O.A.C. REVIEW

B. M. Cohoe, Basketball
R. W. Greenwood, Track
E. R. Mundy, B. W. and F.

Middle Row—
E. H. Saunders, B. W. and F.
A. D. Hales, Rugby
G. W. West, Rugby
G. A. Wright, Track (Bar)
J. L. Crane, Basketball
G. W. Mills, Rugby

Front Row—
G. E. Cruikshank, B. W. and F. (Bar)
A. W. Archibald, B. W. and F.
W. F. Thompson, Hockey
A. C. Buchner, Track
J. C. Reid, B. W. and F.
E. G. Kellough, Rugby

The following men have been awarded their "O" upon the successful completion of their second year work:—

Rugby—
W. H. Jennings
K. S. Borisuk
B. L. Pollock
G. S. Elliott
R. H. Arkell

B. W. and F.—
H. M. Duff
L. C. Vickers
J. I. Jones

Hockey—
R. A. Dempsey

Basketball—
R. G. Chisholm

A few retroactive awards were made this year to the following men:—

Track—
A. G. Douglas, for 1928
Al. Secord, for 1928
Hockey—
S. Mitchell, for 1931

Basketball—
J. E. Ridley, for 1926

Rugby
Dan. Dempsey, for 1930

Soccer—
Wm. Davidson, O. V. C.

O. A. C. Boxer Wins Ontario Championship

O. A. C. boxing prospects in the 175 pound class look bright for the next few years. A. A. Walton, of Year '36, who represents the College in this class, met Ontario's best at the Provincial Boxing Championships, in the Maple Leaf Gardens, on May 15th, and won the “Golden Glove” tournament.

With the encouragement and coaching that he will receive at the College, Walton should go far in the boxing world, and it is felt that his influence will help to build a team of champions.

DR. GEORGE C. CREELMAN

(Continued from page 484)

ated disappointments of a thousand yesterdays, nor did he make the equally serious blunder of carrying the innumerable responsibilities of a long future. He realized that the past was utterly beyond his control and he therefore let it go. His was a busy life and he faced his problems one by one. Dr. Creelman was a hard worker, but he never sought reward for his efforts. He did his best, and then allowed the results to take care of themselves. Dr. Creelman realized and recognized that success in any endeavour was not an aim—it was a result—the result of work done well over a long period of time. He realized that no matter what he did some people would be sure to criticise, a few would commend and still others, perhaps the majority, would miss the significance of his efforts. Nevertheless it is my belief that he, himself, enjoyed an inward quietness and composure, due to the fact that his mind was in focus.
Graduates Honoured

COX

J. J. Brickley, ('20), of the United Fruit Company, Banes, Cuba, writes that Al. Cox, B.S.A., a member of Class '26, has been promoted to the position of Assistant Superintendent of Herrera District of the Preston Division, United Fruit Company. In this position he will be in charge of an area of approximately 12,000 acres planted in sugar cane, and about 3,000 acres of pasture land.

GOODWILLIE

Don. Goodwillie, popular hockey star and dairyman, of Year '31, has been appointed manager of the Walkerton Egg and Dairy Co. Ltd. This is the second largest plant in the Canada Packers' group of creameries, and the appointment indicates the excellence of the work Don has been carrying on since he joined the firm as efficiency expert, one year ago.

MORGAN

Word has been received that President Roosevelt has chosen Dr. H. A. Morgan, President of the University of Tennessee, as one of the three members of the Tennessee Valley Authority, which will have charge of the President's far-reaching power, navigation, reforestation and social programme in the south. Dr. Morgan took his under-graduate work at the O.A.C. with Class '89, and during his college days roomed with the late Dr. G. C. Creelman. Dr. Morgan has been associated with the University of Tennessee since 1905, and has served as President since 1919.

Indian Poultry Show Organized by O.A.C. Graduate

The following note, telling of the excellent work being carried on in India by A. E. Slater, a graduate of '08, was recently received by the Review:—
The Etah Poultry Show

"The fifteenth annual Etah (India) Poultry Show, held in March, 1932, brought together a total of 2,341 exhibits by 329 exhibitors from 174 villages distributed in eight districts. "According to The Allahabad Farmer, published by the Allahabad Agricultural Institute, the two outstanding features of the show were: first, that it was a villagers' show; and, second, that pure bred fowls of the White Leghorn and Black Minorca breeds made up 95% of the exhibits."

"The Etah Poultry Show has grown out of the work of Mr. A. E. Slater, agricultural missionary of the Presbyterian Church, U. S. A., over a period of twenty years."

Mac Graduate Heads Girls School

Miss Elsie McKim, who graduated from Macdonald Institute with the Normal class of 1912, has been appointed to the superintendency of the new Girls’ Training School at Galt, according to an announcement recently made by Hon. W. G. Martin, Minister of Public Welfare.

Miss McKim has had a brilliant career. She attended the University of Toronto, graduated in household science from Macdonald Institute, Guelph, and completed her education in household arts and homemaking at Pratt Institute in New York City.

In 1920 she became a member of the staff of vocational inspectors in connection with the Department of Education, and organized household arts and homemaking courses in the technical schools of the province. When the Ontario Training School for Technical Teachers was opened in Hamilton in 1925 she was placed in charge of the training of teachers for dietetics and home-making. During the past year she has been assisting in different normal schools of the province and helping out the technical branch of the Department of Education.

Undoubtedly many other graduates have been honoured during the past few months, and the Review takes this opportunity to congratulate these successful persons.
Dr. Zavitz Returns to College

Dr. C. A. Zavitz, formerly head of the Field Husbandry Department, was a guest of the College during Farm and Home Week. Dr. Zavitz was accompanied by his wife and Miss Edith Zavitz.

Class '23 Holds Decennial Reunion

The decennial reunion of Class '23 was held along with the annual college reunion at O.A.C., Guelph, on June 24th, with many of the members remaining at the College from Friday evening until Sunday. Year '23 joined the programme for the general reunion. A large number competed in the golf tournament on Saturday morning. An exciting softball challenge game was played in the afternoon with Class '13, while in the evening the year banquet was held at the Royal Hotel with forty-four (44) in attendance.

Special guests were Dr. G. I. Christie, Prof. W. C. Blackwood, Year Honorary President, and A. M. Porter.

The programme, under the direction of President W. M. Cockburn, included a toast to the King, community songs and College yells. A toast to the College was proposed by F. B. Hutt, and responded to by Dr. G. I. Christie. A toast to the Year was proposed by Prof. Blackwood, and responded to by N. MacBeth, F. Presant, A. G. Beattie and T. Jones, with reminiscences respectively for the first, second, third and fourth years.

Beattie in his talk also outlined an interesting motor trip taken from Central Africa, across the Sahara Desert, through Europe to old London, and thence by boat in order to be present for the reunion.

A letter was read from Dr. J. B. Reynolds, Port Hope, whose portrait was presented to the College by Year '23, and who had hoped to attend the reunion.

Election of Officers resulted in the following being appointed:

President—W. K. Riddell, Dept. of Agric., London.
Vice-President—J. A. Garner, Dept. of Agric., Chatham.
Secretary-Treasurer—W. M. Cockburn, Dept. of Agric., Carp.

Reunion arrangements were in charge of local committee, comprised of G. N. Ruhnke, J. B. Smith and T. H. Blow.

—W. K. Riddell.

**BIRTHS**

**TOLTON**—On Sunday, May 7th, to Major and Mrs. B. E. Tolton, Toronto, Ontario, a son, (John Bertram).

**GARRARD**—To Mr. and Mrs. E. H. Garrard, a son, on Saturday, June 3rd, at Guelph, Ontario.

**MARRIAGES**

**Longman-Masson**

On Saturday, July 1st, at the home of her parents, O.A.C., Guelph, Elsie May Masson, B.A., was married to James Alexander Longman, M.S., of Chicago, Ill.

Mrs. Longman was a member of the staff of the Department of English, at the College, and had the next-to-impossible task of initiating the students into the mysteries of French and German. Mr. Longman graduated from the College with the Class of '24, and has been teaching in the City of Chicago.

Mr. and Mrs. Longman will take up residence in Chicago, after an extended tour of the Western States and Provinces.

**Goring-Sommerfeld**

On Friday, June 30th, at Port Hope, Ontario, Esther Caroline Sommerfeld, was married to Eric Thomas Goring.

Both Mr. and Mrs. Goring are well known to all students of the O.A.C. and Macdonald Institute. Mr. Goring graduated
from the College in 1927, and since that time has been connected with the Department of Field Husbandry. Mrs. Goring, who holds the degrees of B.H.Sc. (Manitoba), and M.S. (Ames), was Instructress in Household Administration at Macdonald Institute. Mr. and Mrs. Goring will reside on College Heights, Guelph.

Mr. and Mrs. Goring and Mr. and Mrs. Longman, will have the best wishes of the students, for a very happy and prosperous future.

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SOCIETY NOTES

Mr. and Mrs. Goring entertained at a very delightful charivari given in their honour, late one evening, by several of their acquaintances. Mrs. Goring poured tea, while Mr. Goring notified the asylum, and called the garbage collector.

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Graduates, Members of the Staff, and Ex-Students Who Have Died During the Year

June, 1932, to June, 1933

H. M. Baron, '23
Dr. C. J. S. Bethune
Laura Cody, '22
Professor J. W. Crow, '07
Professor John Evans
A. A. McTavish
George Winton
W. W. Ballantyne, '81
Major G. H. Carpenter, '04
G. R. Frerichs, '34
H. A. Goodwillie, '30
A. Klugh, '04
J. R. Miller, '14
Dr. J. G. McCrimmon, '21
G. W. McKague, '34
Helen Pass, '27
Mary Strong, '13
(Mrs. John Kennedy)
J. R. Windatt, '35
John Renouf
Lawrence Davis, '33
THE O.A.C. REVIEW

OBITUARY

J. Ruskin Windatt

It is with sincere regret that we record the death of J. Ruskin Windatt, which occurred at Beaverton, Ontario, on May 24th.

Ruskin, or “Rusty,” as he was known to his many friends, entered the College with Class ’33, and his bright disposition made him a very popular resident of Grub Alley, during the winter of 1929-30. After a two year absence, during which he taught in the Frontier College, Ruskin joined Class ’35 to continue his course. He was soon taking an active part in the life of the College, and last year proved himself to be a very capable stage manager for the Philharmonic Society productions.

The news of his untimely death, resulting from pneumonia, will be a shock to his many friends, and his passing a distinct loss to the College. The Review, on behalf of the students, extends its sympathy to Ruskin’s family, in their bereavement.

Major G. Homer Carpenter

Major G. Homer Carpenter, B.S.A., Fruitland, Ontario, an O.A.C. graduate of Class 1904, was buried with full military honours, April 9th, 1933, at Winona, with services at home and Fruitland Methodist Church. The funeral was very largely attended.

Homer entered College in 1900 and during his four years actively participated in rugby and other sports. His true, generous nature endeared him to students and faculty; while his academic ability placed him, at graduation, as editor of “The Canadian Dairyman,” in Toronto, a position which he held for some two years. Resigning from that position he farmed at Fruitland with his brother, Fred Carpenter, until the commencement of the Great War.

He enlisted as a Captain in the first Overseas Battalion immediately at the commencement of hostilities, and in order to depart from Canada with the first contingent, he voluntarily reverted to the rank of Sergeant. As a Captain he participated in the conflict until the close of the war, at which time he re-
sumed farming, and became Major of Wentworth's 77th Regiment. Just prior to his death he received the Victorian Decoration for military service of twenty years and over.

Always a public spirited citizen he was a member of Township of Wentworth County Council, previous to, and after his overseas service.

By his passing faculty members and students of the Ontario Agricultural College of his acquaintance, and the residents of his local community lost a sincere and beloved friend, and an esteemed citizen. His Alma Mater and the "Review" extend every sympathy in their bereavement to his widow, two step-sons, R. Ford at home, and L. Ford of O. A. C. Class '36; his three sisters, all attendants at Macdonald Institute, at one time, namely, Mrs. E. Kelly, of Niagara Falls, Mrs. (Dr.) W. O. Stevenson, Hamilton, and Miss Frances, of Bartonville, and his brother, Fred, of Fruitland, an O. A. C. graduate of 1910.

—T. H. Jones.

Professor J. W. Crow

It is with a feeling of deep regret we record the death of Professor J. W. Crow, formerly head of the Horticultural Department, who passed away at the Toronto General Hospital in March.

Prof. Crow was a horticulturist of international reputation, and was highly esteemed by all who knew him.

Born at Ridgeville, in Welland County, he began his horticultural training by practical work in one of the large nurseries for which that section is noted. When but sixteen years of age he came to the College and took the regular two-year course. Ten years later he returned to the College to specialize in horticulture, and was graduated with the class of '07.

A few of his outstanding classmates at that time were T. G. Bunting, now Professor of Horticulture at Macdonald College,
Quebec; E. Frank Palmer, Director of the Horticultural Experiment Station at Vineland, Ont.; Harry Nixon, leader of the Progressive group in the Provincial Legislature; Dr. H. Barton, formerly Dean of Macdonald College, and now Deputy Minister of Agriculture for the Dominion.

Immediately after graduation Prof. Crow joined the staff of the Horticulture Department of the College, with which he was connected for fifteen years, for the last ten, as head of the Department.

Thoroughly posted in his work, and possessed of a delightful personality, he was naturally an able and popular teacher, whose services were in demand at horticultural conventions throughout the country. Improvement of plants by breeding and selection was his favorite field of investigation, and because of the high standard of excellence he set for himself, his achievements in this line are characterized by quality rather than quantity. Some of his introductions of lilies and gladiolus are the finest in cultivation.

For the past nine years Prof. Crow had been engaged in hybridizing and bulb growing at Simcoe, in Norfolk County, where he made a name for himself, not only as a scientific investigator, but as a public spirited citizen. He contributed freely to the press and took an active part in provincial horticultural organizations. His untimely death while still in his prime of life is indeed a serious loss to Canadian horticulture.

Those who knew him most intimately will cherish a fond remembrance of his cheerful disposition and good fellowship, for he was indeed a true gentleman

—H. L. Hutt.

Lawrence Davis

As the Review goes to press, we regret to announce the death of Lawrence Davis, one of this year’s graduates. Davis was a native of Nova Scotia, and came to the O. A. C. from the Nova Scotia Agricultural College. His death resulted from a heart seizure, while swimming, at Sarnia, Ontario.

The Review extends the sincere sympathy of the students to those who have been bereaved.
F. Eric Millen

The Review regrets to announce the sudden death of F. Eric Millen, B. S. A., Professor of Apiculture, and Provincial Apiarist. Professor Millen was a member of Class '13, and his death came as a great shock to his many friends, both at the College and throughout the Province.

The Review wishes to express the deepest sympathy of the students to the intimate friends and relatives of the late Professor.

Changes in Graduate List

June 7th, 1933.

S. A. Bergey, '12—Is in the grocery business at 84 Gordon St., Guelph, Ont.

R. A. Boddy, '13—Is with H. M. Boddy & Co., Auditors, in Toronto. His address is 51 Howland Ave., Toronto.

H. W. Bryant, '31—Is with the Canadian Honey Producers, Guelph, Ont.

M. Eddy, '25—Is a salesman for the Lake of the Woods Milling Co. His address is Box 424, Brantford, Ont.

H. W. Jamieson, '22—Has been appointed Principal of the Stamford Collegiate Institute, Niagara Falls, Ont.

G. L. Jarvis, '21—Is with the Canadian Honey Producers, Guelph, Ont.

T. C. Karr, '32—Is with the Cedarvale Tree Experts, 1130 Bay St., Toronto, Ont.

G. R. Lane, '24—Is with the Seignory Club, Lucerne-in-Quebec, P. Q.


M. S. Middleton, '12—Is farming at Vernon, B.C.

(Continued on page 521)
Alumni Activities Outlined

Dinner Meeting Held May Ninth

"The chief function of the O.A.C. Alumni Association is to foster and keep alive a social spirit among the graduates," said Mr. Paul Fisher, President of the Alumni Association, in outlining the purpose of that organization to the members of the graduating class. The speaker urged that the members of Year '33 join the association and endeavour to establish local branches of the parent body wherever they took up residence.

Speaking to the men who planned to return to the farm, Mr. Fisher offered himself as an example of an O.A.C. graduate who had been in practical work for over twenty years. He emphasized the importance of being able to think and act for oneself, and stated that these were the primary factors in successful farming.

Dr. Christie and Mr. E. K. Hampson also spoke very briefly.

Girls' Conference Held at College

About two hundred delegates, representing Junior Institutes throughout Western Ontario gathered at Macdonald Institute on May 9th for a three-day Convention.

The programme, which was arranged by the Division of Women's Institutes and the Macdonald staff, included studies of physical education, clothing and food problems. Two discussion panels, dealing with the girl's responsibility in the home, and the personal development of the girl, were conducted by a few of the senior delegates, under the direction of Miss F. Eadie, of the Women's Institute Branch, Department of Agriculture. The programme included a banquet at which Dr. Christie, Col. Kennedy and Judge Mott, spoke.
The Macdonald students assisted in the social functions, and aided in the various demonstrations. The part played by a few members of the fourth year in the entertainment of the delegates between sessions was also noteworthy.

**Dame Fashion Does Her Stuff**

**YEAR ’33 ASSISTS**

Examinations took a back seat to more worldly things on May eleven, when the fourth year demonstrated the last word in fashions before an appreciative audience of some five hundred girls.

After a smart, but tame (to all but the baldheaded row) fashion show by Mac. Hall, the Men of Mills put on a brilliant display with over fifty beautiful models, some of whom forgot to shave. The international character of the latter show was well demonstrated by at least two talented hybrids, who were apparently trying to represent at least ten different nations. The latest in ministers was demonstrated by Messrs. Ainslie and Banting (probably indicating a certain trend of thought, now that school days are over), and one or two tense moments were provided by Messrs. Cohoe and Wood, who tried to stand on their heads while arrayed in Mac. Hall gym. suits.

After the performance a few of the stars retired to the Ritz Cafe, where the weird sight caused many of the natives to turn to rubber.

**Libranni**

**THE BOOK OF THE YEAR**

Originality from cover to cover is the keynote of the 1933 Year Book, which portrays a complete cross-section of life at the O.A.C. and Macdonald Hall. The annual includes photographs of all the graduates, and members of the senior faculty. Group pictures of undergraduates, together with photographs of the executives of campus organizations, and members of the various teams also contribute to the general interest of the book. The write-ups of the many campus activities that took place
during the past year are complete and to the point, and no student should neglect purchasing one of these diaries of the most outstanding year in the history of the College.

A copy of the Libanni may be obtained C. O. D. by writing to R. M. Ainslie, St. Marys, Ontario. The price this year is $2.50.

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**Historians Gather at College**

The annual meeting of the Ontario Historical Society was held at the College during Farm and Home Week. Guelph men, and historical data relating to the early days of the city, were, of course, the centre of interest for the delegates during their three day conference.

Hon. Hugh Guthrie, K.C., M.P., was the speaker at the first night session, which was open to the public, and Dr. Christie welcomed the convention to the College.

Prof. F. C. Hart spoke at one of the sessions on "The History, Purpose and Development of Community Halls."

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**Fair Officials Meet**

Problems of fall fair administration were the main topics of discussion at a meeting of the Ontario Association of Fairs and Exhibitions, District 7, which was held at the College on June 14.

J. A. Carroll, Chief of the Fairs and Agricultural Societies Branch of the Department of Agriculture, led the discussions which centred around difficulties arising from reduced government and municipal grants.

A resolution, urging the re-establishment of provincial field crop competitions, which were abolished when the grants were removed, were passed. The fair officials felt that these had been distinct assets to the agricultural communities.

The question of choosing judges, and the problem of "trunk exhibitors" were also raised, but it was decided to leave these matters to the individual fair boards.
Pasture Conference Reviews College Projects

The Dominion Pasture Committee, met at the College on May 29th and 30th, to study the work of the Ontario Agricultural College. Several prominent agriculturists attended the conference, including: Dr. H. Barton, Deputy Minister of Agriculture for Canada; Dr. E. S. Archibald, Director of Experimental Farms, and J. B. Jacks, M.A., B.Sc., of the Rothamsted Experiment Station, England.

The problems attending the improvement of pastures were analyzed and discussed from all angles, during the conference, with a definiteness that promises well for the solution of many important problems. The committee also discussed important matters with regard to matters of procedure and technique, and it was evident that much progress is being made in these branches of pasture study. Mr. Jacks contributed materially to the programme with his discussions of the organization and work of the Rothamsted Station.

A tour of central and western Ontario was arranged for the group. Visits were made to several farms where up-to-date pasture management was practiced, and where the College has been carrying on pasture experiments.

On the farm of Neil McLachlan, at Ailsa Craig, the group saw a beef pasture improvement project, that is being conducted with the co-operation of: Mr. Neil McLachlan, owner of the land and cattle, Canadian Industries Ltd., Montreal, who generously supplied the fertilizers and erected the fencing, and the Departments of Chemistry and Animal Husbandry of the College, who are supervising the project.

The object of the experiment is to determine in a practical manner, on a large scale, the influence of fertilizer as a means of pasture improvement. The results will be measured in the increased carrying capacity per acre, increased gain in pounds of beef produced per acre, and improvement in quality of beef by slaughter tests.
The project is being carried out on a hundred acre field, which is divided into two equal portions. Fifty acres, therefore, are reserved as a check, and the other half of the field has been treated with 375 pounds of a 4-12-6 fertilizer, applied in the latter part of April. Suitable yards have been erected, and a five ton scale installed to facilitate weighing the cattle. The soil on which this experiment is being carried out is a Conover clay loam. It is uniform, neutral in reaction and is in a fair state of fertility. The field was cultivated during the war, then reseeded with an ordinary hay mixture and grazed during the past fifteen years.

The visitors were quite enthusiastic in their praise of the excellent pasture work being carried on, both at the College and throughout the province.

Special Studies from Co-operative Demonstrations

The interest shown by farmers in the Co-operative Fertilizers Demonstrations, which have been conducted since 1929 by the Department of Chemistry, has led to an increasing element of experimentation in the demonstration programme. The work was started primarily to show the effectiveness of various mixtures of fertilizers, under the farmer's own conditions and observation, but with four year's experience it is felt that much valuable information can be obtained from these sources.

This year the work is being carried out on 120 farms in Old Ontario, and the total number of plots exceeds six hundred. The tests as usual have been laid down on all of the standard crops, but special studies are being made of fertilizers on potatoes, turnips, alfalfa and sugar beets. The effect of fertilizers in hastening maturity is a point of special investigation in the corn husking areas, and the effect on quality is one of the problems being studied for the potato and turnip growers. An extensive co-operative programme is also being carried out with the market gardeners in the vicinity of Sarnia, London, Toronto, Brockville and Ottawa. These growers are particularly interested in problems of fertility management.

The data resulting from these investigations, together with
that already gathered by the department, will give substantial bases for some very efficient fertilizer recommendations.

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**Fertilizer Experts Study Tests**

A conference of fertilizer manufacturers, control officials and soil specialists, gathered at the College on June 14th, to study the results of the experimental demonstration work being carried on by the Department of Chemistry on 120 farms throughout Ontario.

Very extensive work has been carried out with fall wheat, and reports to date indicate that there has been considerable loss in this crop where no fertilizer has been applied. Nine analysis were sanctioned by the Department this year, for use on this crop.

The group spent much time studying the results of the local pasture demonstration on the Carter Plots, and the experimental work being carried on with the vegetable growers.

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**Golf Course Fertilizers**

An extensive experiment to determine the relative values of the different fertilizer analyses recommended for golf courses has been undertaken this year by the Department of Chemistry.

Under the direction of Professor H. G. Bell, and with the co-operation of the Cutten Fields Golf Club, the effects of nine different fertilizers, including the leading type recommended by the American Golf Association, are being tested. The experiment is being carried out on plots which are duplicated on upland and lowland fairways.

The fertilizers, with the exception of Ammonium Sulphate have been applied at the rate of five hundred pounds to the acre. A second application may be made in July, but other than this the plots will receive no special attention.

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**Corn Varieties Studied**

Five demonstration experiments have been undertaken this
year by the Department of Field Husbandry, in an effort to determine the varieties of corn best suited for seed production in south-western Ontario.

Previous to the advent of the Corn Borer in Ontario, the Counties of Kent and Essex produced three-quarters of the corn grown in the Dominion, and with the removal of the export restrictions that were imposed in an effort to check the advance of this insect, every effort has been made to re-establish this industry.

Five demonstration plots of one acre each have been laid down by the Department on two farms in Kent and three in Essex. Ten varieties of corn, including some of the old Ontario strains, and a few of the more promising American and "Borer Resistant" types are being grown for purposes of comparison.

The same experiment is also being run on three farms in Peel County, to determine the relative values of the ten varieties for the production of silage. Yield and earliness of maturity will be the chief considerations in making the selections.

Electrical Refrigeration for the Dairy Farm

The adoption of mechanical refrigeration on the dairy farms of Ontario will be greatly stimulated through the recent reductions in the cost of equipment, and as the result of research being carried on to determine the best type of machine for the average farm.

Several makes of electrically operated milk coolers are being given rigid practical tests in the Physics Department with the co-operation of the Hydro Commission. When completed, the data resulting from the tests will form a basis from which recommendations will be made, in bulletin form, that will aid the farmer in selecting a unit suited to his needs.

The investigation so far carried out, indicate that an efficient cooler should reduce the temperature of an eight gallon can of milk from 95° to 50° or less in an hour. The cost of this operation is estimated at two cents, which is about half of the normal cost of doing the same work with ice.
Trouble Shooting in the Binder Knotter

A pamphlet, setting forth a simple and practical system of locating and correcting some of the common tying troubles that occur in the knotters of grain and corn binders, has been issued by the Department of Extension.

The system of trouble shooting set forth in this circular is based on the appearance and location of the "trouble bands" as their characteristics provide the simplest means of identifying the various knitter troubles. Each trouble is illustrated by a drawing of the defective band, and is clearly dealt with under the headings Description, Causes and Remedies.

The Circular (No. 24) is known as "Trouble Shooting in the Binder Knotter," and may be obtained, free of charge, by applying to the Department of Extension, at the College.

ALUMNI RECORD
(Continued from page 513)

W. C. Miller, '26—Is with the Devon Dairy Co., 501 Markham St., Toronto, Ont.
R. W. Morrison, '31—Is farming at Alvinston, Ont.
Chas. Murray, '08—Is Agricultural Representative at Swan River, Man.
C. A. Neil, '32—Is a Graduate Student in Entomology at Macdonald College, Que.
E. N. Needham, '32—Is managing the farm of Allan Case at R. R. No. 3, Toronto, Ont.
Elgin Senn, '23—Is a member of the firm McBurney & Senn Ltd., Insurance Brokers, Caledonia, Ont.
M. D. Shearer, '32—Is managing a farm at R. R. No. 1, Alton, Ont.
S. A. Simmons, '32—Is an Assistant in the Botany Department, O.A.C., Guelph, Ont.
P. Stewart, '14—(Canada Malting Co., Toronto), is living at 159 Colin Ave., Toronto, Ont.
R. Thomas, '28—Is at present living at R. R. No. 2, Guelph, Ont.
W. A. Townley, '15—Is in the Contractor Supply Business in Vancouver. His address is 1009 Royal Bank Building, Vancouver.
Cullen, James, Howick, P. Q.
Dale, Harry Donald, Box 305, Brampton, Ont.
Davis, Oscar Lawrence, Box 155, Yarmouth, N. S.
Farley, George Albert, 570 Metcalfe St., Guelph, Ont.
Gaukroger, Gerald John, 30 Avington Grove, Penge, S. E.
London, Eng.
Godfrey, William George, Norfolk Apple Co., R. R. No. 1, St. Williams.
Goltz, Rudolph Adair, R. R. No. 1, Bardsville, Ont.
Haight, Donald Merritt, R. R. No. 3, Norwich, Ont.
Hastings, Frank Charles, Hampton, Ont.
Hayes, Charles Melville, R. R. No. 1, Leonard, Ont.
Heeg, Theodore John, 50 Yorkshire St., Guelph, Ont.
Hogg, Norman Douglas, Orono, Ont.
Hosie, George Thomas, R. R. No. 4, Perth, Ont.
Jackson, Kenneth Elmer, R. R. No. 2, Kippen, Ont.
Jerome, Fred, Mount Hope, Ont.
Kellough, Earle Gemmell, Box 26, Almonte, Ont.
Kennedy, Donald Stewart, Maxville, Ont.
King, Edwin James Francis, R. R. No. 2, Teeswater, Ont.
King, Francis John, R. R. No. 2, Teeswater, Ont.
Landerkin, George Bruce, 171 Fifth Ave., Ottawa, Ont.
Lord, Frank Tennant, 141 Rodney St., St. John, N. B.
Marr, Earl Stevenson, R. R. No. 3, Sheddon, Ont.
Marshall, Leslie Culham, R. R. No. 1, Islington, Ont.
Martin, Ethelbert Cowley, P. O. Box 809, Cobalt, Ont.
Mervin, Alexander Stewart, Monaghan Rd., Peterboro, Ont.
Minshall, William Harold, R. R. No. 4, Brantford, Ont.
McMillan, Wallace Archibald, Seagrave, Ont.
McNeil, Arthur Andrew, R. R. No. 2, Woodbridge, Ont.
McTaggart, Diarmid John, R. R. No. 4, Appin, Ont.
Neave, Frank Killam, 33 Melrose Ave., Rutherglen, Glasgow, Scotland.
Ogawa, Raymond Reichi, Tadoa-Mura, Minamitanagun, Tokyo-fu, Japan.
Orchard, Douglas W. T., Shedden, Ont.
Pawley, John Wesley, R. R. No. 2, Brampton, Ont.
Read, John Colin, Northwood, Ont.
Reid, Leonard Richard, Humberside P. O., Ont.
Richardson, Byron Bruce Fullerton, Mount Hope, Ont.
Rivaz, Charles Percy, Palermo, Ont.
Rutherford, John Shaw, R. R. No. 1, Rockwood, Ont.
There are Opportunities To-day as Well as Pitfalls

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SPEAKING OF GRADUATIONS

A public dignitary, whom we call Dr. Paul Jones, being well known for his ability to inspire youth, was once asked to address the graduating class of a certain university.

Now it so happened that Dr. Jones was accustomed to rely upon the inspiration of the moment for his message. As he approached the Convocation Hall, he noticed the word “PUSH” which was placed on the door for the convenience of those who entered. Here was his inspiration. “Push,” indeed, was what a graduating class should do in life.

Dr. Jones was eloquent. His message was truly inspirational, and with a climatic flourish he ended thus: “Yes, gentlemen, the quality to which I have been referring, that ONE essential that every young man needs to get himself on in this world and make a success of his life, is summed up in a small four letter word, which at this very moment may be seen on the door of this Hall!” Four hundred eyes turned to read the word on the door, and that which met their gaze was the word “PULL.”

CHEERS FOR DR. BRUCE!

His Honour, Dr. Herbert A. Bruce, Lieutenant-Governor of Ontario, is strongly impressed with the value of dietetics.

Speaking at the Macdonald Institute Graduation, he urged his hearers not “to exalt too highly the can-opener,” and declared that had he the power to do so, he would make a course in home economics compulsory before marriage.

His Honour’s statement received wide publicity through the press, but it is doubtful if it fell on more appreciative ears than those of the bachelor residents of South House, Economics and Old Hort., where the boys are eating beans, eight day every week.
Yes Sir
BLENDED RIGHT!

Winchester
CIGARETTES

SAVE THE POKER HANDS
The O. A. C. REVIEW is published eight months of the year by the Students' Publishing Association, of the Ontario Agricultural College.

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