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Here's a New Year's resolution you will never want to break: Smoke Buckingham and Smile. Buckingham means the finest smoking pleasure you can obtain at the price—a cool, mild and mellow cigarette famed for quality and value—always fresh in the patented sealed pouch package.

Smoke Buckingham—and Smile
Editorial

It has been the custom, in the past, for each graduating year to elect their class alumni executive shortly before they leave the college. While this system has served the purpose for a number of years, there is good reason to believe that it might be improved upon.

Every class loses a certain number of men during the four college years, especially through graduation from the associate course. These men, under the present system, are not attached in any way to their old class until the year graduates. In the meantime they drift away, and it becomes difficult, or often impossible, for the newly appointed alumni secretary to trace them.

If all classes were required to form an alumni association during their second year this difficulty would be largely overcome. The scheme has already been worked out by year '34, and it has proven to be very successful. At the present time their alumni association boasts of over one hundred members, most of whom are now taking the intermediate year. A record is made of all those who leave the college, and they are kept in touch with their old class by means of periodical letters and invitations to all the important year functions.

Under these conditions the alumnus is bound to feel that he is still a welcome part of the year, and he will naturally form the habit of keeping in touch with their activities.
The organization of such an association in the second year would entail very little extra work, yet it would save a great deal of unnecessary labour and disappointment in the future. It is hoped that other classes will see the wisdom of this plan, and adopt it into their organization.

---

**Campus Comments**

The Review takes great pleasure in congratulating the dean of Mills Hall upon his success in being awarded a Rhodes Scholarship. The achievement brings singular honour to Mr. Garnett, and through it he has secured for his Alma Mater further proof of her leadership among the agricultural colleges of the Empire.

---

According to "Varsity," the Rhodes Scholarship winners were students of Western and Queens. "Varsity" cannot hurt our feelings by divorcing us from the U. of T., but we do not appreciate the weakness that classed us as Queens.

---

At this time each year the O. A. C. welcomes an ever-growing number of Short Course students. Brief though their stay, it is hoped that they catch the spirit of O. A. C. and return in the near future as members of the regular classes.

---

Shortly after the Review went to press, the fifty-fourth annual meeting of the Ontario Agricultural and Experimental Union was held. Probably no organization has done more for the advancement of agriculture in the province than this group, and we point with pride to the fact that the Union owes its origin and success to the efforts of O. A. C. men.

---

We are indebted this month to Mr. J. A. Neilson, the Secretary of Year '15, for the very interesting article, "Does the College Fulfil its Mission?" Mr. Neilson's research has brought to light some rather interesting facts, and it is hoped that the article will be a source of inspiration to other year secretaries.
A Rhodes Scholarship
Awarded to an O. A. C. Student

I
N view of a Rhodes Scholarship having been awarded to Mr. William J. Garnett, B. S. A., 1932, I have been asked by the editor of the O.A.C. Review to write an article descriptive of the significance of the Rhodes Scholarship.

First, a few words about the founder of the scholarships. Cecil John Rhodes was an Englishman, born in 1853 at Bishop Stortford, Hertfordshire. He was the son of an English Church clergyman and of yeoman descent. His early education was obtained at the local grammar school. At sixteen years of age his health broke down, and with the hope that a change of climate would be beneficial, he was, in 1870, sent out to Natal to join an elder brother who was farming there. In that year diamonds were discovered in the Kimberley fields, and he and his brother promptly adventured digging for the jewels. They were extremely successful, for in two years' time they were financially independent as a result of their enterprise. The South African climate restored Mr. Rhodes' health so that at nineteen he was physically strong and so financially placed that he could devote his life to any object which he chose. He decided to return to England and continue his education by reading for a degree at Oxford University. Before doing so, however, he spent eight months in solitary journey through the then little known country of central South Africa. The journey was made with an ox-wagon travelling at the rate of 15 to 20 miles a day over the rolling veldt. He went through Bechuanaland to Mafeking, thence to Pretoria and back through the Transvaal to Kimberley. During this long and lonely journey he saw visions and dreamed dreams. The idea took passionate possession of him that the country through which he moved ought to be secured for occupation by the British race.

William J. Garnett, B.S.A.
He saw further. Believing that the British rule was the finest type of government so far evolved, he visualized British possession of the continent of Africa from the Cape to Cairo. He saw further still. He visualized the British Empire, scattered all over the world, increasing the influence until it became dominant in human affairs. To the realization of these dreams he devoted the remainder of his arduous, adventurous and eventful life.

He spent several years at Oxford, but again his health broke down and he returned once more to South Africa with the doctor's verdict,—"not six months to live." Again his health was restored and in 1881 he became member for the Cape Assembly. In 1890 he became Prime Minister for the Cape, and for six years of brilliant premiership he was the outstanding dominant figure in South Africa affairs. In the opinion of some, however, his "vaulting ambition o'erleaped itself and fell on t'other side." In 1896, as a result of partial involvement in the Jamieson raid, his premiership was brought to a close. The rest of his life (he died in 1902) was devoted in an unofficial advisory capacity to the furtherance of his empire projects. It was during this period that he devised his scholarship scheme, an outline of which he left in his will.

The scholarship system provided for the maintenance in perpetuity at Oxford University of about two hundred selected scholars for a term of three years each. Under the will the value of each scholarship was three hundred pounds a year, but this has since been raised to four hundred pounds a year. Thirty-four scholars come to Oxford each year from the British Empire, distributed somewhat as follows: One scholar is elected annually from each province or state of the Dominion of Canada, Australia and South Africa; and from specified schools in the Cape Province of South Africa and from the colonies of Newfoundland, Jamaica and Bermuda. Rhodesia elects three scholars each year and Malta one every three years. Thirty-two scholars are elected annually from the United States of America. Five annual scholarships were allotted to Germany, but were annulled during the war.

Rhodes believed that his objects would be best attained by bringing together for education at Oxford, young men selected for certain qualities which he defined as follows. "My desire being that the students who shall be elected to the scholarships
shall not be merely bookworms, I direct that in the election of a student to a scholarship regard shall be had to (a) his literary and scholastic attainments; (b) his fondness for and success in manly outdoor sports, such as cricket, football and the like; (c) his qualities of manhood, truth, courage, devotion to duty, sympathy for and protection of the weak, kindliness, unselfishness and fellowship, and (d) his exhibition during schooldays of moral force of character and of instinct to lead and to take an interest in his schoolmates, for these latter attributes will be likely to guide him to the performance of public duties as his highest aim.”

After reading these noble and searching requirements for a Rhodes Scholarship those of us who have been associated with Bill Garnett during his four years at the O.A.C. spontaneously turn to him and exclaim “behold the man.”

For those readers who have not had the privilege of knowing Bill, a few statements regarding him will be in order.

William J. Garnett (Bill) was born in Cheshire, England, in 1909. He attended Charterhouse School from 1923 to 1926. In that year he came to Canada with his family to engage in farming. Within a year he was in attendance at the O.A.C. for the four year degree course. Notwithstanding a very unpretentious and unassuming manner those who came in intimate contact with him soon realized that he was a man of parts. In 1929, at the end of his second year, he was awarded the Governor-General’s Silver Medal for general proficiency, and also the George Chapman Prize for Work in English Literature. In 1931 he was awarded the '05 class prize given annually for the best all-round man in his year. For two years he was an excellent editor of the O.A.C. Review. All through his course he took a very active interest in athletics, being captain of both the inter-faculty soccer team and the harrier team of the college. He is now serving as Assistant Dean of men in Mills Hall.

The Method of Selection of Rhodes Scholars is as follows:

Subject to the ratification of the Trustees, the nomination of the scholars is in the hands of representative local committees, which are appointed by the trustees, and on which ex-Rhodes scholars sit. In general, candidates must be citizens of the country, Dominion or colony which they represent with at least five years’ domicile, and unmarried; and they must have passed their 19th, but not passed their 25th birthday by October 1st of (Continued on page 211)
O.A.C. Men Who Have Become College Presidents

No. 3 Dr. Leonard S. Klinck, President
University of British Columbia

The life history of Dr. L. S. Klinck reads very much like a romance, and proves with great finality that the ambitious get there.

Fifty-five years ago, young Leonard Klinck, first saw the light of day in Victoria Square, a village just a few miles from Toronto. Like so many other young boys he did not like school, but unlike most of them he had to remain. He decided that school was a waste of time, and would not help him to gain his life's ambition, which was to be a scientific farmer, to whom all the neighbours would flock for seed grain and blooded stock. However, he came fourth in the whole of York County in his Entrance Examinations, and proceeded to High School at Richmond Hill. Each summer he hired out to neighbouring farmers, and when he graduated at the age of 17 he had quite a knowledge of practical agriculture.

It is at this point that Leonard Klinck enters into the history of the Ontario Agricultural College.

At the age of eleven, he had gained possession of a little
book upon the subject of scientific farming, which had been written by Dr. James Mills, the President of the O.A.C., in collaboration with C. C. James, the then Deputy Minister of Agriculture for Ontario. The boy sat up at nights reading this fascinating material until he knew it by heart. Then the ambition came to him to go to Guelph Agricultural College and learn infinitely more. In the meantime, with the little book as his only teacher, he began to experiment in the production of high grade seed. This at eleven years of age!

One day in 1891, cut rates were offered by the railroad, so young Klinck travelled to Guelph for fifty cents return, to see for himself the experimental work being done there. Here he met Dr. Zavitz, who was keenly interested in a boy of fourteen who had been carrying on field experiments for three years, specializing in comparative tests with oats. They became friends, and Dr. Zavitz was for many years a source of inspiration to the boy.

After teaching school for some three years he managed to save enough money to realize his boyhood ambition, and enrolled for four happy years at the O.A.C.

Three afternoons a week he worked in the Departments of Field Husbandry, Animal Husbandry and Dairying, for which labour he received six cents an hour. During the summer he stayed on and his wages were raised to 10 cents an hour—ten hours a day. He cut thousands of experimental plots by hand, with an old-fashioned "cradle."

After he had graduated with a B.S.A. degree, he went for a summer course at the University of Minnesota, where some advanced work in Plant Breeding was being carried on. From the University of Minnesota he went to the State College of Iowa, achieved his Master's Degree, and obtained an appointment to the College Staff.

In 1905, Macdonald College at St. Anne de Bellevue, Quebec, came into being, and Mr. Klinck was appointed as Professor of Cereal Husbandry, in charge of the Cereal Department. For ten years he laboured, playing an important part in the development of that splendid institution.

Finally, in 1914, Professor Klinck was invited to come in an
advisory capacity, to Vancouver, to help the Board of Governors of British Columbia's new University to determine a practical policy for its department of agriculture.

The story of Dr. Klinck's part in the making of the University of B. C. is a tale in itself. With the outbreak of the war, no funds were forthcoming from the Government, and B. C. University possessed 3,200 acres of land, had three hundred and eighty-five students in attendance, and some rough army shacks for class-rooms.

As Dean of Agriculture, Dr. Klinck pitched a tent out where the University buildings would one day be, and he and his wife occupied this for three summers while he organized and laboured in the beginnings of the research and experimental work of his department. He and his students felled timbers, tilled the soil, and carried on until finally the government awakened to the fact that it had started a University, then left it with no buildings and insufficient funds. Dr. Klinck was appointed president, and to-day, as a result of his work, a foundation has been laid, and plans are under way, to make the University of British Columbia one of the finest in the land.

Now over three thousand students have been inspired by Dr. Klinck, with the great realization that the University is theirs, not only in that it gives them valuable knowledge for citizenship in the world, but theirs to serve, even though it means sacrifice.

Many honours have come to Dr. Klinck, a farm boy with an ambition, who is now the dignified President of a great University. He is Past President of the Canadian Society of Technical Agriculturists, holder of the Order of Agricultural Merit, and last year he received a crowning honour, bestowed on him by the Government of France, in recognition of international co-operation in all Departments of Education, the decoration of "Officier de l'Instruction Publique."

Dr. Klinck himself has contributed to this article a statement regarding the attitude of his students towards supplementary study, which should be of special interest to students of this college.

Dr. Klinck's article follows herewith:—
THE ATTITUDE OF STUDENTS TOWARDS SUPPLEMENTARY STUDY

During the past decade the characteristic symbol of the campus, aside from the studies prescribed in the calendar, is the discussion group, the open forum and the round table conference. At these meetings critical analysis of every type of problem is encouraged and developed, and though synthesis is sometimes neglected, the general trend of the development is decidedly gratifying.

In these discussion groups there is a free inter-play of ideas, a co-operative quest for information, and an opportunity for the participants to discover things for themselves. Here the knowledge and experience of each is pooled for the benefit of all. In these round table conferences the students do not try to adjust all the world’s difficulties; they do not expect to arrive at unanimity of opinion with respect to the controversial question; their interpretation of the facts may differ from those of their fellow students whose experiences may have been quite unlike their own; but they bring to their deliberations a frankness and a candor, usually tempered by a tolerance and a restraint, which enables them to avoid friction.

It is difficult to over-estimate the value of these open forums as they are generally conducted in our colleges and universities. In these seminars situations are faced squarely with no disposition to minimize, evade, or ignore the difficulties involved. As an exercise in the development of intellectual hospitality, and as a training ground for the cultivation of that flexibility of intellect which is essential if men and women would adjust themselves to the rapid changing conditions of the time, this attitude towards supplementary study is one of the most encouraging student developments which has taken place within recent years.

L. S. KLINCK,
President of the University of British Columbia.
November 8th, 1932.
Does the College Fulfill Its Mission?

Read This Article and Decide For Yourself

by J. A. Neilson, '15

From time to time there has been considerable discussion in the press relative to the occupations of graduates and ex-students of the Ontario Agricultural College. Some contend that the College does not fill its primary mission of educating men for the farm, but that it actually educates them away from the farm. Others again believe that a comparatively large number do go back to the farm and engage in occupations that contribute directly to the welfare of farmers.

To get accurate information on the vocations and location of all O.A.C. men would require more time and effort than most men are willing to spend and consequently there is not a full record of the addresses and occupations of all those who have registered as students at the College. There has, however, been an effort made by a few Year Secretaries to keep in touch with their classmates, and as a result there is some information at hand on the occupations and addresses of the members of these classes. The writer of this article has acted as Secretary for Class '15 for the past fourteen years, and is probably as conversant with the record of this Year as any Secretary is of other classes of contemporary periods. A vocational analysis of this class has been made and is given hereunder with the hope that it will be interesting to Year '15 and others.

A perusal of this record shows the truth of Bobbie Burns’ statement, “The best-laid schemes o’ mice an’ men gang aft agley.” The majority of men who entered this class undoubtedly intended to engage in some branch of agriculture. A fair proportion did go back to the farm, but others have entered occupations quite apart from farming. This of course is to be

* Mr. Neilson is with the Horticultural Department of Michigan State College, East Lansing, Mich.
expected in any group of men with divers talents and varying vicissitudes of fortune. This Year was one of the war classes, and therefore, was greatly affected by the fateful changes of that momentous period.

The original class contained 156 men in September, 1911, and to this number were added at various times 40 men from preceding Years, or from other colleges, thus making a total enrollment of 196. Out of this number 56 graduated in 1915, and 21 more dropped out and finished with later O.A.C. classes or at other colleges. This leaves 119 men who spent periods varying from one day to two years at the College (the fellow who stayed one day had a fight with one of his classmates and left the next day).

This Year, like other years of the war period, suffered a heavy casualty list in the war. In all, 39 are dead, and of this number 28 were killed in action or died of wounds. The others died in civilian occupations. Of the 157 men who are believed to be living, there are 17 of of whom no address is known. Possibly some of these men were killed in the war or have passed on through causes other than war. At any rate, not a trace of them can be found after careful and persistent inquiry by the writer. The persistance of this search can be understood when it is known that the writer is mainly of Scotch ancestry and that one of these men owes him ten dollars.

The varied nature of the vocations of this class can be seen from a perusal of the following classifications:

**Civilian Occupations**—Farming: Mixed Farming 36, Poultrymen 2, Ranchers 5, Fruit Growers 7, Beekeepers 2, Estate Manager 1, Retired Farmer 1 (believe it or not).

**Professional**—Doctor 1, Minister 1, Lawyer 1, Editor 1.

**Business**—Commercial Agents 5, Insurance Agents 2, Bankers 2, Hotel Keeper 1, Research Chemists 2, Produce Dealer 1, Accountant 1, Dairy Plant Managers 3, Florists 2, Social Service Agent 1, Grocers 2, Carter 1, Hat Manufacturer 1, Paper Box Manufacturer 1, Clothing Merchant 1, Shoe Merchant 1, General Merchant 1, Broker 1, Live Stock Pool Organizer 1, Electrical Manufacturer 1, Dealer in Auto Supplies 2, Live Stock Buyer 1, Advertising Manager 1, Business Manager 1, Textile Manufacturer 1, Baker 1.
**Civil Service**—Customs Officer 1, S. S. B. Supervisors 5, Agricultural Representatives 5, Professors of Animal Husbandry 2, Professors of Agronomy 2, Professor of Chemistry 1, Principals of Agricultural Colleges 2; Live Stock Specialists 6, Entomologists 2, Botanists 2, Poultry Specialists 2, Clericulturist 1, Secretaries 2, Spray Supervisor 1, Inspector of Insurance 1, Naval Officer 1, Highway Official 1, Bacteriologist 1, Deputy Minister of Agriculture 1, Chief Seed Division Branch 1, Nuciologist 1, District Horticulturist 1, Assistant Directors Exp. Stations 2, Teachers 3.

A study of the addresses of the class shows that the members have scattered far and wide. This of course is to be expected as several members of the class came to the College from foreign lands and have since returned to their homes. Others have been attracted to far countries by positions of honor and affluence. It is interesting to observe that more than half of the class are still in Ontario, and that a considerable number of the balance are in other parts of Canada. It is also interesting to note that only seventeen live outside of the British Empire. The following data shows the manner in which the class has scattered over the earth’s surface: Ontario 83, British Columbia 8, Saskatchewan 6, Alberta 8, Manitoba 3, Nova Scotia 3, New Brunswick 1, Quebec 2, Prince Edward Island 1, Newfoundland 1, New Zealand 1, England 2, Spain 1, South Africa 1, Granada B. W. I. 1, United States 16.

The data relative to the occupations and addresses of this class is based on information received during the past year, and is as accurate as could be expected of any group of men subject to the changes of time and fate. It is very difficult to keep an accurate record of any group of men, largely because most of us are guilty of the failing brought out in the following poem entitled, “A Friend.” This poem (taken from the Detroit Purchaser, June, 1926), is given with the hope that it will encourage the reader to avoid the failing brought out so clearly therein:

**“A FRIEND”**

“Around the corner I have a friend
In this great city that has no end;
Yet days go by and weeks rush on
And before I know it a year has gone;
And I never see my old friend’s face,
For life is a swift and terrible race.
He knows I like him just as well,
As in the days when I rang his bell;
And he rang mine. We were younger then;
But now we are busy, tired men—
Tired with playing a foolish game;
Tired with trying to make a name.
‘Tomorrow,’ I say, ‘I’ll call on Jim
Just to show that I’m thinking of him.’
But tomorrow comes and tomorrow goes,
And the distance between us grows and grows,
Around the corner—yet miles away.
‘Here’s a telegram, sir’—Jim died today!
And that’s what we get, and deserve in the end—
Around the corner, a vanished friend.”

A RHODES SCHOLARSHIP

(Continued from page 203)

the year for which they are elected. There are no qualifying examinations; candidates are judged on their records, and after a personal interview with the selection committee. But, except in four exceptional cases, candidates are obliged to have attended a recognized degree granting college or university for two years, at least.

The Review, Faculty, Student Body and Alumni join in offering heartiest congratulations and felicitations to Bill for his achievements in the past, and best wishes for his future. The college is highly honoured in this appointment.

—Dan H. Jones.
ALUMNI

DR. HORACE BARTON, '07

Dr. Horace Barton was appointed Deputy Minister of Agriculture of the Federal Department, to succeed Dr. J. E. Grisdale. Congratulations from the members of the staff, student body, and alumni of the College are extended to Dr. Barton on this high honour accorded him.

Dr. Barton was graduated from the Ontario Agricultural College in the Class of 1907. During his student days, he took a prominent part in athletics, and was a noted hockey player, playing left wing for the Senior Hockey Team for the four years of his college course. He was also keenly interested in the work of the Literary Society and was considered one of the best debaters in the student body. He was a member of the Stock Judging Team, in 1906, which won the Bronze Bull at the International Live Stock Exposition at Chicago.

Dr. Barton has served as lecturer in the Animal Husbandry Department of Macdonald College, 1907 to 1911; Professor of Animal Husbandry, 1911 to 1925; and Dean of the Faculty of Agriculture, 1925 to 1932. He was one of the leaders in organizing the Canadian Society of Technical Agriculturists and has served as President of that organization. He is counted as one of the outstanding judges of live stock, and has served leading exhibitions in Canada, United States and Great Britain.

Dr. Barton comes to his present position well qualified to give the desired leadership to the work. He has an excellent personality and has the highest standing among the Agricultural workers of the whole country. He will make his mark in this field as he has done in others. He has the best wishes of his many friends.

J. A. CARROLL, '14

The Review joins with the many alumni, students, faculty and friends of the College in extending congratulations to J. A. Carroll, B. S. A., of the Class of 1914, on his appointment as Chief of the Fairs and Agricultural Societies Branch of the Department of Agriculture.
In making this appointment, the Honourable T. L. Kennedy, Minister of Agriculture, stated that Mr. Carroll has proved himself a leader in the field of organization, and that he has carried with great credit, the responsibilities assigned to him in connection with the division of Crops and Marketing.

Mr. Carroll was associated with the division of Agricultural Representatives and, in this field, rendered a great service. He has been with the Ontario Department of Agriculture more than twelve years since his return from overseas.

Mr. Carroll succeeds Mr. J. Lockie Wilson who has served this branch of the Department of Agriculture more than twenty-six years. Mr. Wilson has rendered a distinct service to the province through the development of the Agricultural Fairs, Agricultural Societies, the Plowing Match, Seed Grain Competitions and other activities. He has earned a well-merited rest which we hope he will enjoy in many years to come.

---

ONTARIO AGRICULTURAL COLLEGE, GUELPH, ONTARIO

CHANGES IN GRADUATE LIST

January 3rd, 1933.

W. K. Bunner, '23—Is teaching in High School at Thorold, Ont.

C. A. Campbell, '20—Is farming at R. R. No. 1, Wainfleet, Ont.

C. L. Carr, '23—Is Assistant Plant Manager for Midland Counties Dairy, Ltd., Corporation St., Birmingham, England.

J. A. Carroll, '14—Appointed Superintendent of Agricultural Societies, Department of Agriculture, Parliament Buildings, Toronto. Is also Chief of Crops Branch.

H. K. Claus, '32—Is taking the Poultry Specialists Course, O.A.C., Guelph, Ont.


W. D. E. Donaldson, '24—Is teaching in North Toronto Collegiate Institute, Toronto, Ont.

Gordon Engel, '31—Is Assistant Agricultural Representative for Grey County at Markdale, Ont.

H. W. Goble, '31—Taking Graduate work at Iowa State College, Ames, Iowa, U. S. A.
G. Hassan, '31—10564 98st St., Edmonton, Alta.


H. L. Laing, '22—Is Manager of Beatrice Creamery Co., 2032 Howard St., Detroit, Mich., U. S. A.


S. G. Malkin, '31—Is teaching at Port Elgin, Ont.

W. G. Marritt, '17—Is Secretary of Toronto Whole Milk Producers' Association, Commonwealth Bldg., 21 King St. E., Toronto, Ont.

E. R. McClellan, '30—Is Acting Agricultural Representative for Wentworth County, 18 Market St., Hamilton, Ont.

J. H. McLeod, '23—Is Insect Pest Investigator at the Dominion Parasite Laboratory, Belleville, Ont.

A. F. Robinson, '22—Is Salesman with Jamesway Co. Ltd., Weston, Ont.

W. E. Senn, '23—Insurance Broker, at Wellandport, Ont.


H. C. Wilson, '22—Is Principal of Belle Glade School, Box 156, Belle Glade, Fla., U. S. A.

W. A. Young, '23—Is farming at R. R. No. 1, Box 146, Sylvania, Ohio, U. S. A.

A. V. Langton, '30—Is Assistant Agricultural Representative, Ontario Department of Agriculture, Woodstock, Ont.
THE fifty-fourth annual meeting of the Ontario Agricultural and Experimental Union was held in Memorial Hall on January tenth and eleventh.

In his opening address, President E. K. Hampson, B. S. A., of Hamilton, reviewed the present economic conditions in relation to the farmer, and pointed out that in spite of the gloomy outlook, the modern agriculturist was far removed from the concept of a peasant farmer. "These trying times," the president stated, "have forced us to realize that there is no substitute for thrift, economy, plain living and high thinking."

Mr. Hampson pointed out that in Canada, ability of the soil to produce was fundamental to the continued soundness of the country, and he urged the farmers to guard it as they would their tangible possessions. Enlarging on this, he pointed out that agriculture was a long-time proposition, and that this was not a period for negative farming, but rather it was a time to take advantage of the low costs and prepare for the future.

Turning to the work of the Union, the speaker referred to the organization of Soils and Crops Committees in the various counties with whom the Union will work directly, thereby benefiting by the sound advice and co-operation of experienced farmers.

In conclusion the president thanked Dr. Christie and the
departments for their work in helping to make the meeting a profitable and pleasant one.

The annual banquet of the Union was held in Creelman Hall on the evening of January tenth. About five hundred persons attended and listened to addresses by Dr. H. Barton, the newly appointed Minister of Agriculture, and Russell T. Kelley, Chairman of the Agricultural Council of the Hamilton Chamber of Commerce. Dr. Barton discussed the present situation in the farming industry, pointing out the fact that farming and marketing cannot achieve satisfaction until quality production is obtained.

Mr. Kelley, the guest speaker of the evening, addressed the gathering on the theme, “Taking Inventory.” He pointed out the Canadian assets and liabilities, and urged the necessity for thinking on the part of the young people of the country. “I believe the young men of to-day will never get very far unless they have faith in themselves,” he said. Mr. Kelley was enthusiastically received by his audience.

A new feature of the meeting was the exhibits set up by the departments of Field Husbandry, Chemistry and Botany. These exhibits portrayed the results of the departmental and co-operative work for the season in plant breeding, fertilizers and chemical weed killers. The displays drew a great deal of attention and they were highly praised by those who studied them.

In giving his report of the work of the Union, Professor Squirrel noted that although it was necessary to conduct the business of the Experimental Union in 1932, with a reduced appropriation, at no time had there been a keener interest shown by the co-operative experimenters in the work of the Union. The report showed that 34 distinct projects had been carried on during the past year, and that the average number of co-operative experiments during the past four years had been over 2800.

Reports

Nobarb barley and Soy Bean Work, as described in more detail under the Field Husbandry section of this issue, were the main topics of the report given by the Agronomy Department of the college. Much interest has been shown in this new barley, and its development is typical of the valuable work being carried on by this department.
L. H. Newman, the Dominion Cerealist, outlined the crop improvement programme being carried out in each province. He stressed the importance of such programmes in the production of quality products to aid the market situation. The discussion which followed was led by T. G. Raynor, of Ottawa, one of the oldest workers in this movement, and many valuable points were brought to light.

Professor F. E. Millen outlined the development in the processing of honey, and reported favourably on the possibilities of a British market for Canadian honey.

The use of properly selected cereals for the production of home grown protein was the theme of Professor Steckley's address on the second morning of the meeting. He urged the growing of more legume hay, peas, flax and soy beans on all livestock farms, and cautioned his audience that in the feeding of bacon hogs great care in the use of protein was required, because of its effect on the quality of meat.

Some interesting results obtained from the use of fertilizers were disclosed by Dr. R. Harcourt, in a paper on soil management. He emphasized the fact that adequate drainage and organic matter must be provided if the soil is to show the best response. Professor H. G. Bell also gave a summary of the results obtained from 3952 fertilizer demonstrations carried out under his direction throughout the province.

W. H. Smith, B.A., of the Horticultural Department, introduced a new phase of work being carried on at the college. In his report on cold storage research he showed the possibilities and application of his work to certain agricultural problems, and gave his audience some idea of the investigations being carried on by the department in this field.

Chemical weed killers were again the subject of Professor Howitt's address. In the discussion that followed A. H. Martin, of Toronto, gave a report of the results obtained through the enforcing of the Ontario Weed Control Act.

Dr. J. Coke, of the Department of Agricultural Economics at Ottawa, read a timely paper on the subject, "Some Problems of Farm Management." The discussion of this subject was led by Professor F. C. Hart and J. Steckle, of Kitchener.

The final speaker on the programme was Professor W. J.
Bell, of the Kemptville Agricultural School, who spoke on the subject, "Farm Programme for Eastern Ontario." He gave the audience a very clear-cut idea of the conditions in this part of the province, and outlined a programme prepared to meet them during the coming year.

The President, E. K. Hampson, Professor Squirrell, and their co-workers, deserve the heartiest congratulations for the excellence of the programme, and the very orderly manner in which the whole of the business was transacted.

The officers for the coming year are as follows:—

Honorary President—Dr. C. A. Zavitz.
President—N. D. McKenzie.
Vice-President—C. M. Laidlaw.
Secretary—Prof. W. J. Squirrell.
Treasurer—A. W. Mason.
Directors—Dr. G. I. Christie, N. A. Fletcher, Douglas Hart, E. K. Hampson.
Auditors—R. C. Moffatt and A. M. Porter.

—R. E. Goodin.
Plows; Disc or Mouldboard?

by "Ag. Science"

When a group of individuals are agreed on a subject of vital interest to them, the subject is as good as cleared up, but when the opinion of one party is exactly the opposite to that of the other, it is the signal for an investigation to begin to clear the matter up. Such is the case with the disc plow. The writer wrote to the two leading implement manufacturers in Canada for information. Both firms responded most liberally. The first one recommends the disc plow very highly and finds a large number of satisfied customers. The second one cannot see in the disc plow an economic unit for the average farmer.

It must not be considered that this is an attempt to reconcile the two companies. They do not mind the general disagreement on this matter. In fact it is much to their liking. One lets the other sell the disc plow to as many farmers as will buy because they believe the farmers will eventually get rid of them and dislike the agency that persuaded them to buy. The other sells as many as possible and smiles at the business they are getting without the opposition of the first one. So they may go on, for they will not suffer any interference from so important a source as this.
Many people are asking questions about the disc plows and finding no adequate answers. The lack of experimental data on this implement makes it impossible to give adequate answers. It is possible, however, to set forth what is known about the operation of the disc plow, and the results obtained from its use. Then from this information, some conclusion as to its advantages and disadvantages, relative to the mouldboard plow, may be drawn.

Primarily, the disc plow was designed for use in areas where the clay is too sticky to work with the ordinary mouldboard plow, the latter refusing to "scour" properly. In this type of soil the disc plow is the only machine that will do an effective job. There are many such areas in the States and Western Canada, and the disc plow has been in use there for over twenty-five years. It was introduced into Ontario about five years ago for use in this same type of soil. It has, however, grown in popularity on other soil types, till it is now recommended for many kinds of plowing formerly considered as being efficiently done with the mouldboard plow only.

There are many factors entering into the efficiency of any plow. Chief of these, from the standpoint of view of the practical man, is the first cost. If one plow does as good a job as another more costly implement, the first is the one, and the only one, considered. Unfortunately the disc plow does cost more than a mouldboard plow of the same capacity, as the peculiar strains to which the latter is subjected demands heavier and more rigid construction.

The problem of deciding whether it will do a better job is not so easy a proposition with which to deal. In the gumbo soils where it has been found so effective, there is little doubt of the superiority of the disc plow. In other soils the question is different. Take for instance the soil that is too hard for a mouldboard plow. A disc plow will penetrate soil into which it is impossible to force a mouldboard plow. Stony ground always presents a problem to the plowman. The disc plow will usually bring the stones to the surface or else roll over them. In either case there are no broken points with the consequent loss of time and recurring expense. On the other hand, if a large stone is encountered there is a possibility of breaking a disc which requires a much greater outlay for replacement than a point, although this possibility is quite slight.
Then there are special jobs for plows that may give an advantage to the disc type. It seems to be superior for cutting roots of alfalfa or sweet clover. A great number of its users claim it is superior when dealing with twitch grass as it turns the roots up to the sun to dry, and furthermore it may be used when the weather is driest, at which time twitch plowing is most effective.

These, however, are all special jobs. For ordinary plowing we have to consider the work done by the disc as compared with that of the mouldboard plow before we can decide which is the better proposition. First, let us consider the ease of handling. It is probable that the disc plow will present a little more difficulty than the mouldboard plow in this respect as there are more adjustments that can be made, and there is more danger of the parts working loose because of the strain and stress on the beams and wheels. As far as power to operate it is concerned there should be little difference from a reasonable standpoint. The friction set up by the soil sliding over the mouldboard is done away with in the disc, but the added weight to keep the plow in the ground and make it rigid will counteract this advantage.

In some sorts of plowing the farmer desires a wide furrow. This is impossible in the disc plow as the maximum width to keep a nearly flat furrow bottom, is about nine inches.

The appearance of the plowing done by the disc plow is much less pleasing than that done by the mouldboard plow. It breaks the ground up and leaves it in a very unattractive, lumpy condition. Sometimes there is difficulty in covering trash, though with care in the adjustment and operation this is quite possible. In loose ground it probably does better job as in such cases the mouldboard plow pushes the soil aside instead of turning it over.

There is one way in which the disc plow shows a decided advantage. It forms no plow pan. The pressure created in the furrow bottom by the mouldboard plow makes a hard pan in many areas and soil types, and this interferes with the proper drainage. This pressure is not created by the disc plow and consequently there is no pan formed.

As far as upkeep is concerned there are no shares to buy at regular intervals. The discs wear a long time and are very seldom broken or even chipped. In a questionnaire sent out by
one manufacturer to their disc plow users it was found that many farmers save as high as ten dollars per year through not having to buy shares. This amount would replace the disc every year on the ordinary disc plow, and usually they will last for three years or more without replacement.

Occasionally a farmer desires to cross-plow a field that has been in sod. Unless the sod has thoroughly disintegrated it will pile up in front of a mouldboard plow and make a satisfactory job almost impossible. No such difficulty is experienced when cross-plowing with a disc plow.

The accompanying cut shows the disc plow in operation and gives some idea of the condition in which it leaves the soil. There is very little, if any, suggestion of furrows and the surface is left rough and open, allowing free access of air, or of frost in winter and quick drying in the succeeding spring.

In conclusion we might say that there is very little danger of the disc plow supplanting the mouldboard plow for general purposes. It will do a good job in general purpose work, and is superior in many respects as suggested above. Whether a farmer would be advised to purchase one of them depends largely upon the conditions under which he has to work.

(The writer wishes to acknowledge his indebtedness to the Massey-Harris Company, of Toronto, and the International Harvester Company of Hamilton for their generous support and help in the preparation of material for this article. Photo is by courtesy of the Massey-Harris Company.)
SOCIETY NOTES

T. Bell, '34, Editor.

PHILHARMONIC SOCIETY

The O. A. C. Philharmonic Society announces a new production, Bernard Shaw's "Saint Joan"—the show of the year—to be presented on January 25th in Memorial Hall.

UNION LITERARY SOCIETY

The motion of the Junior-Senior Debate on November 8th, 1932, was "Resolved, that Youth is Decadent."

Affirmative—J. M. N. Jackson, '34; E. T. Parkin, '34.


This debate was well attended by many representatives from both sides of the campus.

Jackson opened by drawing a vivid picture of man's physical development in the past compared to the physique of the youth of to-day. He entertained the audience with his glib touches of humour and held their attention throughout his speech.

Stewart was the first speaker for the negative and regaled us with lists of statistics, showing how the young men of to-day have broken most of the records set by their predecessors.

Parkin, the second speaker for the affirmative, treated with the moral side of the subject, and pointed out to his audience the depths of degradation to which they had sunk.

The judges gave a unanimous decision in favour of the motion.

YEAR '26 LECTURESHIP

The Year '26 Lectureship is scheduled for the latter half of February. The speaker will be B. K. Sandwell, Editor of Saturday Night.
THE O.A.C. REVIEW

FINAL JUNIOR-SOPH DEBATE

The final Junior-Soph debate was held on 22nd November, 1932.

Motion: "Resolved that this house deplores professional athletics."


Negative—F. K. Anderson, '34; R. W. Greenwood, '34.

The large audience at the final debate would seem to indicate that the interest of the student-body had been excited by the foregoing debates of the season.

Dryden opened the debate with a forceful and excellent speech of a conventional character. Anderson, the first speaker for the negative, delivered a somewhat inaudible address. His material deserved more thorough preparation. Allen, the second speaker for the affirmative, wise-cracked his way through a series of incoherent arguments. The outstanding speaker of the evening was R. W. Greenwood, who seconded the negative side, and succeeded in turning the tide of judicial opinion in favour of the Juniors.

At both meetings the debate programme was supplemented by pleasing entertainment and concert numbers.

The Inter-University Debating team is being coached by Professor E. C. McLean and Mr. C. W. Riley. The team will be selected from the following: Minshall and Banting, Heal and Jackson, Parkyn and Pascoe.

The speaker at the Canadian Author Recital on Tuesday night, January 17th, is to be Dr. E. J. Pratt, M.A., Professor of English at Victoria College.

S. C. A. Notes

DR. REYNOLDS SPEAKS AT CHAPEL SERVICE

The Chapel Service held in Memorial Hall on December 4th, at which Dr. J. B. Reynolds, President Emeritus, was the speaker, was well attended. Dr. Reynolds' address proved to be very timely and well arranged. His subject was "We Have Sown the Wind."
In the absence of our S. C. A. President, who had undergone an operation for appendicitis that morning, Bill Ewen, Vice-President, officiated. Rev. W. L. Davidson, of Dublin Street United Church, assisted with the service. The well-known anthem, "Sun of My Soul," was presented by the College choir, under the direction of Angus Banting. "Does Jesus Care," was presented as a trio by Messrs. Lawrie, Buchner and Banting. Miss Aletta Smith was at the piano.

Dr. and Mrs. Christie entertained the guests, members of the faculty, and the S. C. A. Executive at a delightful tea in the Community Rooms after the service.

"FOR CHRISTIAN STUDENTS ONLY"

The fact that the elections are being held in January instead of December has caused considerable inconvenience in programme arrangements for 1933. It necessitates the old executive arranging part of the programme which it will not have authority to carry through. It is hoped that the new executive will appreciate this difficulty and will co-operate to the fullest in the programmes arranged.

Plans are well under way for a week-end conference here on January 21st and 22nd, to which we expect delegates from several other colleges and universities. Several outside leaders will be brought here for this occasion, and it is hoped the students will avail themselves of this opportunity to meet S. C. A. men from other seats of learning, and assist in giving them a real welcome.

Through the co-operation of the S. C. A. and the Co-op, a new 9-tube Superheterodyne Radio has been installed in the Common Room of the new Administration Building. It has already served a useful purpose in providing entertainment for those who did not get home for the holidays. Handled carefully and used with discretion, it will continue to add to your enjoyment. Remember there are others in the building who have the privilege of complaining of undue disturbance from this source. Until such complaints are forthcoming, there should be little difficulty.

It is hoped that the new executive will have some new ideas for programmes to report in the next issue.
A MESSAGE FROM THE PRESIDENT

The New Year, bringing as it does new conditions and complex problems, demands the best thought, energy and co-operation of every Canadian. There are before us many important tasks and inviting opportunities.

Ontario Agricultural students seem to have caught this spirit and are aware of their responsibilities. More than ever before, the College Faculty is impressed with the interest, business-like way in which our young men and women are taking up their work and the care with which they have planned for the various activities for the coming months.

The time is short and there is much to do. In addition to the heavy course of study which is the first and main task, students will manage and carry through the Short Course banquet and reception; the Conversat; the College Royal Show; the Egg Show; the Review; the Year Book; the various forms of organized sports; and a full programme of activities of the Students’ Council, Union Literary Society, Philharmonic Society, Christian Student Association, Athletic Association and the departmental associations and groups. Also of importance is the social programme which provides for special lectures, class and association banquets and other forms of entertainment.

One may wonder at this list of activities and how they will be brought to a successful conclusion. But plans have been made, leaders have been chosen, and the tasks assigned. The big job will be accomplished.

I bespeak for these many worthwhile projects and activities, the full, active and sympathetic support of every student and member of the Faculty.

AN APPRECIATION

The College owes to all those students who participated in any of the fall athletics a very sincere and real appreciation for
all that they have done for the College. It is not easy to go out to practice, night after night, in all conditions of weather, and then come in, weary, tired and sore, and settle down to the steady routine of studying. It takes courage and true college spirit, and it also signifies that they realize that a true college education does not consist of mere book knowledge alone.

Some of the players suffered painful and severe injuries, and others were hurt, so that many valuable days from the lecture-rooms were missed. We extend our sympathy to these, and especially thank them for all that they did. It is so easy to sit back and let the other man do all the work and then all partake of the credit and glory which results from their efforts.

Remember that these men gave of their best, and gave it willingly. They spent many hours out on the fields, so that they might bring honour and glory to the College and enhance the reputation that is ours, and at no time did they really ever reap any personal gain from their activities.

The coaches also deserve a special word of mention as they gave so much of their time so willingly, and made possible all the successes that crowned the athletic endeavours of our teams during 1932.

Show your appreciation to these men by giving them your support as you did. Let them know that their efforts on our behalf are appreciated and not wasted, and never let this appreciation die.

BLUE?

I feel sorry for Smith.

Smith is blue again. He announced it in the bathroom. What Smith actually said was:

"I'm blue again—blue again—

And you know darn well that it's you again."

Well, what are you going to do about it? I think it very serious making Smith blue—especially since he was green to start with. You've no idea how green and blue clash. And if you could see the place where I flipped him with a wet towel (Continued on page 242)
Year '34

Presents the Conversazione

Ray Dawe and His Royal Connaught Hotel
Dance Orchestra will play

Year '34 takes great pleasure in announcing that the Conversazione will be held in Creelman Hall on February 3rd., at 8.30 p.m.

This dance, the major social event of the college year, promises to be better than usual as the aim of Year '34 is to surpass all existing standards of entertainment. The scheme of decorations will be unique, colourful and beautiful, so everyone should come and see Creelman Hall in all its splendour, on that night.

The Old Boys will be back, celebrating the many honours in the academic as well as in the athletic worlds which have been achieved by their Alma Mater. They will also be celebrating an unrivalled and unequalled Conversazione, so be amongst the happy ones on that night.

Ray Dawe and his smooth, sweet rhythm boys will be a main feature of the dance.

The band may be heard nightly, excepting Sundays and Mondays over C. K. O. C., Hamilton.

The floor will be in excellent condition, and all the other arrangements will be in keeping with the high standard of the decorations.

Year '34 extends a hearty and cordial invitation to everyone to be present and enjoy a truly wonderful Conversazione.

Invitations may be obtained from Arthur B. McCaugherty, Mills Hall.
PRESENTED BY
YEAR: '34
FEB 3/33
RAY DAWE
AND HIS ROYAL CONNAUGHT HOTEL
DANCE ORCHESTRA HAMILTON
RUGBY

Canadian Intermediate Semi-Finals

O.A.C. Intermediate Collegiate finalists were defeated by the St. Thomas Yellow Jackets 8-0.

The game was one of minor scores. Metcalf, of St. Thomas, accounted for five of the points by his kicks, and Pollock was forced to rouge three. Two distinctly different types of football were exhibited. The heavy line plunging and kicking of the St. Thomas team in contrast to the aerial attack staged by the Aggies.

It was one of the hardest games in the career of the team. Many of the players suffered injuries, but few were of serious nature. May we again congratulate the team and Mr. Baldwin, their coach, on their success in winning the Intercollegiate Intermediate Championship.


BASKETBALL

Basketball Made Faster by Revision

The indoor sport of the winter season is subject to new rules which have been devised to speed up the play. The main one is termed, the ten-second rule for advancing the ball. In former years it has been the practise for a team that was one or two points ahead, with a short space of time to play, to hog the ball in its own half of the floor, the idea being that the team with the ball couldn’t be scored against. To remedy this situation this year’s rules provide that a team must advance the ball over the centre of the line within a period of ten seconds from the time it gains possession unless the ball, while out of control, touches or is touched by a man on the opposing side. When the
ball has once been advanced over the centre line, the team in possession may not return it over the line without making a try at the basket. If, during this time, the ball has been lost and recovered, it may be taken behind the centre line once, but the ten second rule operates again as soon as the ball reaches the back court. This rule will greatly affect the last few minutes of any game, always the most exciting from the spectator's point of view, and no game will be counted as won until the final whistle has blown.

O.A.C. Basketball Given Senior Status

May we express our appreciation to Prof. W. A. Baker, coach of the O.A.C. Basketball teams, in his efforts to secure Senior rating for our indoor winter sport.

Last year’s O.A.C. Intermediate Intercollegiate Team was successful in winning the Intercollegiate title and this fact warranted further effort being made to secure this standing. The result of Professor Baker's work is that O.A.C. is now in a Senior “B” class and grouped with McMaster, Hamilton, and R. M. C. Kingston, in a home and home game schedule.

O.A.C. now has four teams, namely: Senior B Intercollegiate, Intermediate Intercollegiate, Junior Intercollegiate and an Interfaculty team.

J. Crane, one of last year's defencemen, has been chosen captain, and Bruce Cohoe, as manager. With most of last year's team present and a promising crowd of new material turning out on basketball nights, our teams should form strong opposition to our rival colleges.

Senior “B” Basketball Schedule

January 21—O. A. C. at R. M. C.
February 2—McMaster at O. A. C.
February 11—McMaster at R. M. C.
February 17—R. M. C. at O. A. C.
February 18—R. M. C. at McMaster.
February 23—O. A. C. at McMaster.
Intermediate Intercollegiate Basketball Schedule

February 2—McMaster at O. A. C.
February 4—Western at Toronto.
February 10—O. A. C. at Toronto.
February 11—McMaster at Western.
February 17—Western at O. A. C.
February 18—Toronto at McMaster.
February 23—O. A. C. at McMaster.
February 25—Toronto at Western.
March 3—O. A. C. at Western.
March 4—McMaster at Toronto.
March 9—Toronto at O. A. C.
March 10—Western at McMaster.

HOCKEY

As in basketball, new hockey rules come into effect at the beginning of every season. They are made in the best interests of the game, and this year, to eliminate the boring exhibitions of two teams playing defensive hockey the rules provide additional opportunities for forward passing. Hitherto it has not been possible to pass the puck from one zone to another. The new rules allow a player to pass from within his defensive area to a team-mate outside the blue line, but only if the receiver is behind the blue line at the time the puck is passed. Forward passing is also permitted by both teams within the centre ice area. It is illegal for a team to forward pass within the opponent’s defensive area. Another rule which, although not a new one, is often misunderstood by the average fan, is that the puck-carrier must be the first man to pass the opponent’s blue line.

Intermediate Intercollegiate Hockey Schedule

January 9—Western at Toronto.
January 13—McMaster at Toronto.
January 13—Western at O. A. C.
January 19—Toronto at O. A. C.
January 27—O. A. C. at McMaster.
February 7—McMaster at Western.
February 10—Toronto at Western.
February 17—Toronto at McMaster.
February 17—O. A. C. at Western.
February 20—O. A. C. at Toronto.
February 20—Western at McMaster.
February 24—McMaster at O. A. C.

Time of games at London, Toronto and Hamilton, 4.00 p.m.

Time of games at Guelph, 8.00 p.m.

BOXING, WRESTLING AND FENCING

By the time this issue appears, Boxing, Wrestling and Fencing plans, which at the present are indefinite, will be known. If the proposed Intermediate Intercollegiate League to embrace McMaster, Western, Toronto II’s, and O. A. C. evolves, the Aggies will drop their ambitions for Senior rating, and retire from interfaculty competition. In case plans for the Intermediate group fall through, O. A. C. will concentrate as in other years, upon Interfaculty honors. At any rate fans are practically assured of an exhibition match with the Mitt and Mat Men of Queen’s.

Chances for a banner year are exceptionally bright. Of our wrestlers the nucleus of last year’s squad remains in the form of Watt, Wright, Reid, and several others who saw action at Toronto and against Queen’s. In addition, the Freshmen are supplying material which, with a little brushing up and experience, should go far in Intercollegiate competition. Coach Danny MacDonald, a finalist in his class at the Olympic Games last summer, is well pleased with the progress of his charges to date.

The boxers are shaping up well with Archibald, Cruickshanks Keown, and Saunders in the limelight. With these, and a good

(Continued on page 260)
DEPARTMENTAL NOTES
Animal Husbandry
J. V. Ross, ’34.

O.A.C. STUDENTS WIN ESSAY CONTEST

During the past few years a steadily growing interest has been shown by O.A.C. students, in the essay contest, sponsored by the Saddle and Sirloin Club of Chicago. This year the subject of the essay was: “Factors Contributing to the Efficient Use of Feeds,” and the O.A.C. was successful in winning the silver cup, emblematic of the championship.

This year some 150 competitors took part in the contest, representing sixteen agricultural colleges, fifteen of which were American. Five of the first eight awards came to the O.A.C., and it was on this basis that the championship trophy was brought to Guelph. James Cullen, '33, received second place as an individual competitor, and won the silver medal; fourth place was taken by Regina van der Hoorn, '35; fifth place by K. E. Jackson, '33; sixth place by William Butt, '36; and eighth place by E. W. Reedman, '35.

The awards were made at the banquet given by the American Association of Animal Production, in the name of the Saddle and Sirloin Club in Chicago. Dr. Christie took part in the exercises.

CHICAGO TEAM MADE HIGH SCORE

At the Live Stock Judging Competition held in connection with the International Live Stock Exposition, the team from the College came fourth with a score of 4,533 out of a possible 5,000. This is the highest score ever made by an Ontario team, the men averaging 90.6 per cent. on all classes of stock. The team was composed of James Cullen, who was fourth in the competition, Dermid McTaggart, W. A. Pinkney, J. W. Pawley, H. I. Seymour and E. G. Kellough as spare. The team was coached by Professors Steckley, Knox and Raithby.

Messrs. Cullen, Pinkney and Kellough also made up a team in meat judging, which stood seventh.
ENTOMOLOGISTS HOLD ANNUAL MEETING

The annual meeting of the Entomological Society of Ontario was held in Ottawa on December 1st and 2nd. There was a large attendance of Entomologists from all over Canada, and four students in the local bug option managed to make the trip.

Two members of the O. A. C. staff were honoured by election to office in the Society. Mr. R. H. Ozburn is Secretary and Miss Rose King, Librarian and Curator for the coming year.

Some twenty-eight papers were read and discussed, bringing to light the interesting facts included in the following résumé:

The grasshopper outbreaks, during the past several hundred years, have been found to occur almost regularly at eleven year intervals. As sun spots have also eleven year cycles there is a possibility of some connection between the two, but this was not proven.

A parasite introduced about twenty years ago to help control the Gypsy and Brown-tail moths, has been found attacking and controlling the Satin moth in Nova Scotia. This latter moth is of recent importance.

The type of weather that prevails in July and early August was shown to be an important factor in making it a difficult or easy task to reduce the Corn Borer.

Much progress has been made, especially in the west, in forecasting outbreaks of insects a year ahead, thus giving the farmers an opportunity to be prepared for them. For example, it was foretold that there would be a great grasshopper outbreak in 1932. Consequently, materials for poison baits were accumulated and ready for use when the outbreak began. Over 1,000,000 acres of grain were saved by these precautions.

Investigations on the effect of moisture and temperature on the Oriental Peach Moth, the new peach pest, showed that this insect was very sensitive to these weather factors.

All experiments to determine whether the gladiolus thrips
wintered in the open indicated that it did not do so. Gladiolus plants, therefore, could be protected from this insect by treating the corms with naphthalene flakes, a corrosive sublimate solution of hot water.

Sodium fluoride was reported to be a very satisfactory remedy for both biting and sucking lice of cattle.

Ethylene oxide combined with carbon dioxide is said to have given good results as a fumigant against bed bugs and certain pests in confectionery shops.

Unless the winter is very unfavourable, there will be a very severe outbreak of white grubs over a large part of Eastern Ontario and Western Quebec in 1933. The grubs were very abundant in these areas last fall.

Probably the largest experiment on the control of wireworms on record is now under way in Saskatchewan. Up to the present, indications prove that shallow cultivation is an important factor of control.

The new pest of pines, known as the European Pine Shoot Moth, is gradually spreading in spite of measures taken to destroy it.

Stored grain pests were reported to have done much damage to grain on the farm. Methods of control were discussed at considerable length.

Department of Chemistry
H. Denis Nathan, '34.

TWO SOIL SURVEY BULLETINS

The manuscript of soil survey bulletins of Norfolk and Elgin Counties is submitted for printing. These reports detail intensive studies of soil types located in these counties during the past four years.

An outstanding feature of the bulletins is the comprehensive detail colored maps which form an important part of each bulletin. The printing of these maps is made possible by the kind co-operation of Dr. E. S. Archibald, Director of the Dominion
Experimental Farms branch of the Dominion Department of Agriculture.

These maps should provide valuable information for the farmers of Norfolk and Elgin Counties, and for real estate corporations and industrial bodies interested in definite data regarding the soils and adaptabilities of these sections of Ontario.

**Tobacco**

The investigation of fertility management in regard to the production of flue tobacco which was undertaken three years ago has been continued. One field contains 64 plots laid out on the original plan, while the other contains 150 plots planned on the Latin square basis to enable a mathematical study. The basic applications of fertilizers has been a 3-8-6 formula applied at the rate of 1,000 lbs. per acre. The variety used has been Willow-Leaf. Indications so far point to the following conclusions:—

1. Part of the nitrogen in flue-cured tobacco fertilizers may profitably be derived from organic sources.

2. Ammonium phosphate fertilizers have produced a moderate yield of high quality leaf.

3. Heavy applications of superphosphate and potash have not consistently improved either the yield or quality of the leaf.

4. Applications of nitrogen above 30 lbs. per acre have not improved either the yield or quality of the leaf.

The necessity of balance among various constituents of tobacco fertilizers appears to be an increasingly important factor.

**Pasture Work**

The Ontario Agricultural College rotational grazing experiment inaugurated in 1930 has been continued. The original plan involved seven 4-acre blocks located on a poor gravelly loam soil adjacent to the college farm. Five of these plots received once in four years, 64 lbs. phosphoric acid ($\text{P}_2\text{O}_5$) and 100 lbs. potash ($\text{K}_2\text{O}$). Each of these five areas is top-dressed with a total of 80 lbs. nitrogen yearly in two applications. The sixth plot receives minerals only, once in four years. The seventh plot is check. The average results for 1930-31 up to August of 1932 are as follows:—
Phosphoric acid and potash increased the yield of dry matter by about 59 per cent., the yield of protein by 12.3 per cent. and the ash 91 per cent. The increased percentage of protein and ash is partly due to the large percentage of legumes in the flora which was greatly encouraged by the addition of minerals. Nitrogen in addition to minerals greatly encouraged grass in preference to legumes and increased the yield of dry matter about 258 per cent., the protein by 460 per cent. and the ash by 298 per cent. The per cent, of the protein in the grass was increased by 58 per cent, over the check and per cent. ash increased 1.5 per cent.

In addition to these 28 acres of pasture experimental work an adjoining 8 acres was plowed early in August, 1931, and well worked. This was seeded with a recommended mixture of grasses in May using oats as a nurse crop and 400 lbs. of 4-8-10 fertilizer was applied. The season was very favourable and an excellent catch of grass was obtained.

A special investigation of the composition of soybeans has been undertaken involving such questions as varieties in varietal composition, and also adaptability of soybean meal as a concentrate.
Poultry Department
D. I. Martin, '35.

CAFETERIA FEEDING

The department is at present conducting a series of experiments known as the Cafeteria System of Feeding. More complete details will be available later, but a few interesting points can be mentioned now.

In the cafeteria system thirty different kinds of feed are available to the chickens at the same time; all the necessary nutrients are found in the group in some form. The chicken is left absolutely free to choose whatever foods in whatever quantities are desired. With the aid of these experiments it is hoped to prove that chickens can be made healthier and stronger by being allowed to select their own feed and eat as much as they prefer of each kind. Experiments have only been under way for one year, and definite conclusion will not be forthcoming for another four, as there is still much work to be done. However, at the present time these two interesting conclusions have been reached:

Firstly, the source of a mineral, whether organic or inorganic affects the amount consumed. For example, the chicken prefers phosphates from plant rather than from mineral sources.

Secondly, the method of preparation of the grain fed is more important than its palatability, chemical composition, or the amount eaten by the chicken. As an example, it was found that when both ground and crushed oats were offered to the chickens they liked the ground variety so much better that they ate ten times as much of it as they did of the crushed oats.

Two lines of experiments are being followed now:

(1) The attempt to get a protein balance of amino acids.

(2) The valuation of single cereals with a free choice of concentrates.

To put this in other words, it is an experiment in the Calcium—Phosphorus—Nitrogen Balance versus the Amino Acid Balance.
EXTENSION WORK

In the Department’s extension work activities this year are numerous as always. Over five hundred breeding station flocks will be banded during the coming season. Blood Testing will be finished by the end of January. Then will follow the Inspection of flocks which always precedes the hatching season. The purpose of this is to see if the flocks are properly mated up and in condition for breeding, and to give the owners advice on hatchability and early brooding.

During the first part of February there will be held in Toronto a meeting of the Breed Association, which a member of the department will attend.

During the month of February short courses will be held in the Counties of Waterloo, Halton, Bruce, Middlesex, Wentworth, Norfolk and Lincoln; one man will attend these as Special Instructor.

Field Husbandry
R. E. Goodin, '34.

PAST, PRESENT, FUTURE

Since the foundation of the College in 1873, the staff of the Field Husbandry Department have been attempting to aid the Ontario farmer in the production of the most suitable crops for his requirements, and market. They have been successful in no small way in reaching this high objective. To-day this department holds an enviable reputation for the production of the most suitable varieties of grains, legumes and grasses, and is regarded favourably by farmers, as a bureau of information, with regard to farm crops, and as a source of pure seed.

The early work of Plant Breeding and extension was under the direction of Dr. C. A. Zavitz and his staff. To them is given credit for the production of many improved varieties of cereals and legumes. Perhaps, the most outstanding of these are the Ontario Variegated Alfalfa and O.A.C. No. 21 barley. The work in selecting for this variety of barley began in the year 1902, and the Experimental Union was the medium to distribute the first seed to farmers in 1906. The foundation seed was produced
from the progeny of one plant selected out of over 10,000 individuals. To-day this is the principal variety of barley grown in Canada and the United States.

More recent work in research and plant breeding investigation has resulted in the production of a new variety of barley, which has been given the name of "Nobarb." This variety was originated by repeated selection of progeny from a cross between O.A.C. No. 21 and Lion, made in 1921.

The grain of this variety is white in colour, and the beards are smooth to touch. In plot tests, extending over a period of six years (1926-31), Nobarb has outyielded the O.A.C. No. 21 variety by several bushels per acre, and has shown greater strength of straw. The length of straw of Nobarb is slightly less than that of O.A.C. No. 21, and it ripens two or three days later. Recent reports indicate that this variety is of excellent malting quality. The seed was distributed for the first time in 1932 to over 300 farmers in 36 Ontario Counties.

The pasture crop of the Province occupies 25 per cent. of the improved, and over 3,500,000 acres of rough land. During the past, it has been the most neglected crop in the Province, but with the completion, in 1931, of a provincial survey, it is receiving much more attention.

Experiments are under way at the present time dealing with seed mixtures, effect of different lengths of rest between grazing periods, height at which the pasture should be grazed, and the various effects of different fertilizers on the crop.

A series of experiments have also been laid out to determine the value of discing and harrowing in, seed mixtures for the renovation of old pastures.

A policy of breeding high yielding varieties of grasses and legumes adjacent to Ontario conditions, and the building up of a home-grown seed industry of our most important grasses and clovers has been stressed.

Breeding of clovers and grasses for hardiness, vigor, productivity and nutritional value has resulted in many improved strains. For instance, the common Timothy proved susceptible to rust, showed poor stooling qualities, low percentage of leaf, and was altogether lower in yield. The average of the ten best (Continued on page 258)
Just to take his mind off being blue—why, he looks like a walking rainbow.

But seriously, all this blue business has gone far enough. Everyone is blue—their outlook is blue—their faces are blue. I would not be surprised if their underwear were blue also. Of course there are blues and blues. There are the true blues, like you and I. And there are those that become blue with cold—such as the Freshmen on Friday nights waiting for the street cars. These are the original blues, and with them I have no quarrel. But of late years a whole lot of other blues have arrived. There is, for instance, the gentleman who got the blues when I went away—at least, so he tells me. Serves him right; I hope he gets a lot of other things as well. "The blues" seem to be a universal complaint—every other song hit announces morbidly that the singer has the blues, is getting the blues, or shortly expects to get the blues. It's getting monotonous—it's even got as far as people getting the blues when it rains. Why not try getting pink when it's foggy?

Apparently you can have any sort of blues you like—Honolulu Blues, Low-Down Blues, Limehouse Blues and Oxford Blues, to mention only a few. Blue is both a cheerful and melancholy shade. That is to say, a blue sky is a sight which the poet hails, but a blue day is what he writes about.

There is far too much blue about. It would be far better for civilization if people renewed the good old custom of painting the town red, and stopped painting themselves blue. It took people of flesh and blood and action to do the former—it merely takes a saxaphone to do the latter.

If you must change colour so incessantly, why don't you try some other shades. Green, for instance. Take a sea voyage. Some are born green, some achieve greenness, and some have greenness thrust upon them. If green doesn't suit you, there are lots of other colours. A well trained man can start off his own natural colour and then rapidly become green with envy, yellow with jealously, red with rage, blue with cold, white as death, black with choking, and finally purple with apoplexy. Purple being the colour of the kings. So why stint yourself? Leave the blues alone for a bit, and try something else.
According to the daily papers the “students” of the Ontario Reformatory are being given lectures in gardening. Should the course prove to be a good one, it would not be at all surprising to see several members of the Horticulture Option finish their term at the other institution. Free tuition, free board and free clothes look very attractive to the average student in these days.

The annual freshman “flu” epidemic was again a complete failure. Statistics fail to show how many persons were caught in bed with their shoes on, but apparently enough evidence was uncovered to show that there was no need of postponing the Christmas examinations.

This is an old story, but perhaps your version would be worth hearing:—

At New Years, a student of Ag.,
Resolved that never his studies should lag;
But with the hops and the games,
And the lits, and the janes,

FRESHMEN,

SOPHOMORES,

JUNIORS,

SENIORS,

COLLEGE ROYAL, TUESDAY, MARCH 7th, 1933.
The O. A. C. Review is published by the students of the Ontario Agricultural College Students' Publishing Association for ten months of the year.

O. A. C. REVIEW STAFF 1933


Departmental Editors—H. Denis-Nathan, '34, College Life; Thomas Bell, '34, Literary; A. T. Oliver, '34, Athletics; G. C. Trenaman, '35, Athletics; M. E. Evans, Mac., '34, Macdonald Hall.


Illustrator—D. Pasfield, '35.

Business Manager—N. S. Northmore.

CORRESPONDENCE.

Subscribers can have the Review forwarded to them on application to the Business Manager. They are requested to notify him at once, on a change of address, as otherwise they cannot expect their copies to reach them.

The subscription is $1 annually to anywhere in the British Empire or the United States, $1.50 to residents in foreign countries. A special rate of $5 for six years is allowed.

All subscriptions and complaints concerning the despatch of the Review should be addressed to the Business Manager. The Editor cannot reply to communications on such subjects.

TO CORRESPONDENTS

Correspondents are requested to write clearly on one side of the page only.

The Editor invites criticisms and suggestions.

The Editor cannot accept letters in which the real name of the author is not enclosed, even if not for publication. All contributors should enclose with their MS. an address which would find them in case of need. If they do not do so they must be prepared to find considerable alterations in their productions.

The Editor is not responsible for the opinions of his correspondents.
O. A. C. PHILHARMONIC SOCIETY

Statement of Cash Receipts and Cash Disbursements, May 1st, 1931 to April 30th, 1932.

### CASH RECEIPTS

#### Fees
- O. A. College: $573.00
- Macdonald Institute: 100.00
- **Total Fees**: $673.00

#### Productions
- Green Goddess: $153.75
- Dover Road: 135.50
- Operetta and Glee Club: 125.00
- **Total Productions**: 414.25

#### Dances and Receptions
- Freshman Reception: 14.67
- Union Literary Society, 1-3 share in reception: 14.65
- Union Literary Society, share in orchestra music: 20.00
- **Total Dances and Receptions**: 91.67

#### Refunds
- Fred Elliott, refund on orchestra for Philharmonic At Home: 9.00
- **Total Refunds**: 9.00

#### Miscellaneous
- Union Literary Society—3 sets Memorial Hall tickets: 6.02
- S. C. A.—1 set Memorial Hall tickets: 2.08
- **Total Miscellaneous**: 8.10

**Total Cash Receipts**: $1,196.02

### CASH DISBURSEMENTS

#### Productions
- **Total Expended on Productions**: $579.06

#### Stage and Properties
- Roy Mason: 5.70
- Light and Sound and Engineering: 4.30
- A. Burrell: 20.40
- **Total Stage and Properties**: 30.40

#### Costumes and Make-up
- Mallabar Costumer: 23.95
- **Total Costumes and Make-up**: 23.95

#### Music
- E. Greenfield: 4.50
- Mallabar's: 21.02
- C. W. Kelly: 1.70
- **Total Music**: 27.22

#### Royalties and Play Books
- L. C. Marshall: 1.43
- S. French: 131.51
- McGibbon, Mitchell and Stairs: 11.25
- A. M. Porter: 2.00
- **Total Royalties and Play Books**: 146.19

#### Advertising and Printing
- T. Ross Barber: 10.25
- Wallace Printing: 59.70
- Guelph Mercury: 32.60
- **Total Advertising and Printing**: 102.55

#### Services and Gratuities
- Mrs. E. C. McLean: 175.00
- C. Hersey: 10.00
- Stage Manager and Stage hands: 15.00
- Mr. Leeson: 30.00
- **Total Services and Gratuities**: 230.00

#### Miscellaneous (Productions)
- W. J. VanNorman: 1.30
- J. Philpott: 1.15
- Provincial Treasurer: 8.00
- Roy Mason: 4.60
- Light, Sound and Engineering: 1.70
- L. C. Marshall: 2.00
- **Total Miscellaneous (Productions)**: 18.75

**Total Expended on Productions**: $579.06
### Receptions and Dances

<table>
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<tr>
<th>Name</th>
<th>Amount</th>
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<tr>
<td>Provincial Treasurer</td>
<td>$2.42</td>
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<tr>
<td>Pond's Orchestra</td>
<td>$25.00</td>
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<tr>
<td>W. G. Moore</td>
<td>$22.20</td>
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<tr>
<td>Wallace Printing</td>
<td>$3.38</td>
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<tr>
<td>C. Anderson</td>
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<td>H. H. Jeans</td>
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<tr>
<td>E. Speirs</td>
<td>$5.00</td>
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<tr>
<td>S. Henry</td>
<td>$9.00</td>
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<tr>
<td>A. Banting</td>
<td>$2.15</td>
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<tr>
<td>S. Henry</td>
<td>$3.90</td>
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<tr>
<td>Fred Elliott</td>
<td>$54.00</td>
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<tr>
<td>O. A. C. Cafeteria</td>
<td>$35.00</td>
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**Total:** $188.55

### Glee Club

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Mason &amp; Risch</td>
<td>$14.04</td>
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<tr>
<td>C. W. Kelly &amp; Son</td>
<td>$41.82</td>
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<tr>
<td>H. F. D. Moss</td>
<td>$105.00</td>
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<tr>
<td>A. Farquhar</td>
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**Total:** $164.86

### Orchestra

<table>
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<tbody>
<tr>
<td>N. Hogg</td>
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<tr>
<td>H. Gray</td>
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<tr>
<td>E. Hazelwood</td>
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<tr>
<td>J. H. Boyce</td>
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<tr>
<td>A. Cloke</td>
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<tr>
<td>Waterloo Music Co.</td>
<td>$15.70</td>
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<tr>
<td>W. H. Bishop</td>
<td>$25.02</td>
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**Total:** $97.62

### General Miscellaneous

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<tr>
<td>L. C. Marshall</td>
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<td>W. E. Arbuthnot</td>
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<tr>
<td>Union Literary Society</td>
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<td>Wallace Printing Co.</td>
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<td>C. W. Kelly &amp; Son</td>
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<td>Bond Hardware</td>
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<td>J. H. Boyce</td>
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<td>J. H. Scott</td>
<td>$1.95</td>
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<tr>
<td>R. R. Potter</td>
<td>$10.00</td>
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<tr>
<td>Roy Mason</td>
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<td>A. Farquhar</td>
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<td>F. W. Murray</td>
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<td>G. A. McNeill</td>
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<tr>
<td>A. M. Ross</td>
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**Total:** $105.05

Total expended on other than Productions:

$556.08

Total Cash Disbursements:

$1,135.14

Total Cash Receipts May 1st, 1931 to April 30th, 1932:

$1,196.02

Total Expenditures May 1st, 1931, to April 30th, 1932:

$1,135.14

Gain for Period May 1st, 1931, to April 30th, 1932:

$60.88

On hand May 1st, 1931:

$11.25

Gain for Period:

$60.88

Closing Balance April 15th, 1932:

$72.13

Audited and found correct.

RONALD D. FOWKE, Auditor.

L. C. MARSHALL, President.
R. POTTER, Treasurer.
Philharmonic Society.
Practical CONCRETE
Water Supply Tanks

The average daily consumption of water on the farm runs into hundreds of gallons. No more practical improvement could be made than a concrete supply tank which will give you this water at the turn of a tap. Capacities of rectangular tanks in gallons per foot deep up to 6 feet in height.

- 4 feet x 4 feet—100 gallons per foot in height
- 4 feet x 6 feet—150 gallons per foot in height
- 6 feet x 6 feet—225 gallons per foot in height
- 6 feet x 8 feet—300 gallons per foot in height
- 6 feet x 10 feet—374 gallons per foot in height

For larger or other type of tanks consult our Publicity Department at Montreal.

CANADA CEMENT COMPANY LIMITED

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Phillips Square Montreal

Sales Offices at:
Montreal Toronto Winnipeg Calgary
Results of Christmas Examinations, 1932

N. B.—Numbers following total marks indicate subjects on which the student has failed to obtain pass standing.

FIRST YEAR ASSOCIATE CLASS

1. Bauman, H. S. .......... 1189
2. Ballantyne, J. H. ..... 1148
3. Darlington, R. J. ..... 1125
4. McKinnon, W. E. ..... 1114
5. Davidson, A. W. ..... 1114
6. Brown, K. E. .......... 1070
7. Crow, K. W. .......... 1044
8. Richardson, F. S. ..... 1039
9. High, I. L. .......... 1033
10. Hindle, F. ........... 1033
11. Leslie, J. L. .......... 1039
12. Martin, W. S. .......... 1020
13. Ingram, P. G. .......... 989
14. Golding, W. V. .......... 983
15. McKerrall, D. H. ...... 962
17. Goodwin-Wilson, R. ... 939
18. Macdonald, R. S. ...... 939
19. de Bloeme, T. P. G. ... 931
20. Smith, J. T. .......... 915
21. Finlayson, J. D. ...... 890
22. Walton, A. A. .......... 890
23. Webster, J. S. .......... 890
24. Blackstock, T. G. ......... 879

First Year Degree Class

Arranged in order of Proficiency. Maximum 1400.

1. Tolton, W. G. .......... 1115
2. Sexsmith, E. R. .......... 1097
3. Butt, W. ........... 1155
4. Stensson, H. H. .......... 1015
5. Irvine, J. A. .......... 990
6. Acklen, R. L. .......... 980
8. Smith, G. E. .......... 941

LIST OF SUBJECTS

1. English Literature.
2. English Composition.
4. Drainage & Surveying.
5. Farm Mechanics.
6. Chemistry.
8. Fruit Growing.
10. Animal Husbandry.
11. Dairying.
13. Agriculture.
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<th>Page</th>
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<td>9</td>
<td>Johnson, L. N.</td>
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<td>Fasken, F. C.</td>
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<td>Bezeau, L. M.</td>
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### List of Subjects

1. English Literature.  
2. Public Speaking.  
5. Mechanical Drawing.  
6. Farm Mechanics.  
7. Inorganic Chemistry.  
11. Fruit Growing.  
12. Field Husbandry.  

### Second Year Associate

Arranged in order of Proficiency. Maximum 1400.

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### List of Subjects

1. English Literature.  
2. English Composition.  
4. Drainage & Roadmaking.  
5. Farm Mechanics.  
7. Entomology.  
8. Vegetable Nutrition.  
10. Field Husbandry.  
12. Dairying.  
13. Veterinary Obstetrics.  
14. Farm Organization.
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### SECOND YEAR DEGREE COURSE

Arranged in order of Proficiency. Maximum 1200.

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**Conditioned on Insect Collection**

Allen, E. M. G.

### LIST OF SUBJECTS

1. English Literature.
2. Journalism.
3. Hydrostatics.
4. Farm Mechanics.
5. System, Entomology.
6. Econ. Entomology.
7. Vegetable Growing.
10. Animal Husbandry.
12. Dairying.
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A. E. EDWARDS

Insignia Jeweller

22 YONGS STREET ARCADE

ELGIN 3669

Perhaps not many students are aware that the O.A.C. has adopted a distinctive graduation pin. It was first issued to the graduating class of '31, and only senior students and graduates are eligible to wear it.

In design it is quite a departure from the standard class pin, and it is one-half the size of the accompanying illustration. The "A" is formed of blue sapphires set in the centre of a field of red enamel. At the base of the "A" is the college crest, and the "O" and "C," on their respective sides, are of inlaid gold. The pin is linked by a gold chain to a bar which bears the University of Toronto Crest in satin-finish gold. The inscription is on the sides of the bar, and the centre is set with blue sapphires.
## THE O.A.C. REVIEW

### INTERMEDIATE YEAR

Arranged in order of Proficiency. Maximum 100%.

<table>
<thead>
<tr>
<th>Rank</th>
<th>Name</th>
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### LIST OF SUBJECTS

1. English Literature.
2. Journalism.
5. Hydrostatics.
6. Chemistry.
7. Systematic Entomology.
9. History.

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- F. H. Cotton
- S. W. Gray
- V. Proulx
- J. A. Travis
- J. E. Walsh
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A great deal of assistance is being given to the farmers by the department through correspondence and articles in the press. Short courses, demonstrations, crop improvement meetings, and fall fairs throughout the province offer many opportunities for members of the staff to come into personal contact with the farmers, and it is by these means that a close connection is maintained between the most modern crop problems and the work of the department.

A FELINE SILHOUETTE

They faced each other taut and still, 
   Arched hickory, neck and spine, 
Heads down, tails straight, with hair of quill, 
   The fence—the battleline.

The slits within their eyes describe 
   The nature of their feud; 
Each came to represent a tribe 
   Which never was subdued.

One minute just before they fought, 
   Before their blood called—'Time', 
One told the other what he thought 
   In words I cannot rhyme.

They hit each other in mid-air 
   In one terrific bound, 
And even yet, as I'm aware, 
   They haven't struck the ground.

—E. J. Pratt.
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C. Anderson & Co.
Phone 256  C. Lamont, '19 Prop.

SPORT FOLIO

(Continued from page 233)

collection of experienced and inexperienced fighters, Coach Adie hopes to produce some first-class point gainers for the college.

An account of fencing operations has already appeared in a recent issue of the Review. Little more can be added concerning the fencers other than that under Mr. Wallberg several men are training, who can be depended on to creditably represent the college in the form of competition.

G. C. Trenaman, '35.

TED WILDMAN TROPHY PRESENTED

All readers of the Review will join in extending their heartiest congratulations to Sid Henry, '32, on his being the first recipient of the Ted Wildman Trophy. An account of the enthusiastic Alumni-Athletic Banquet, at which the presentation was made, will be carried in the February issue of the Review.
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loose powder vanity if
desired.

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SAVAGE SUPERIOR SERVICE

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Guelph
Canada won 80 of the 85 prize awards for hard red spring wheat at the 1932 International Hay and Grain Show at Chicago at the end of November. Led by Herman Trelle, of Wembley, Alberta, who again won the world championship for the fourth time—and the third consecutive time—Alberta exhibitors took seven of the first ten places.
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