

Vol. XLII

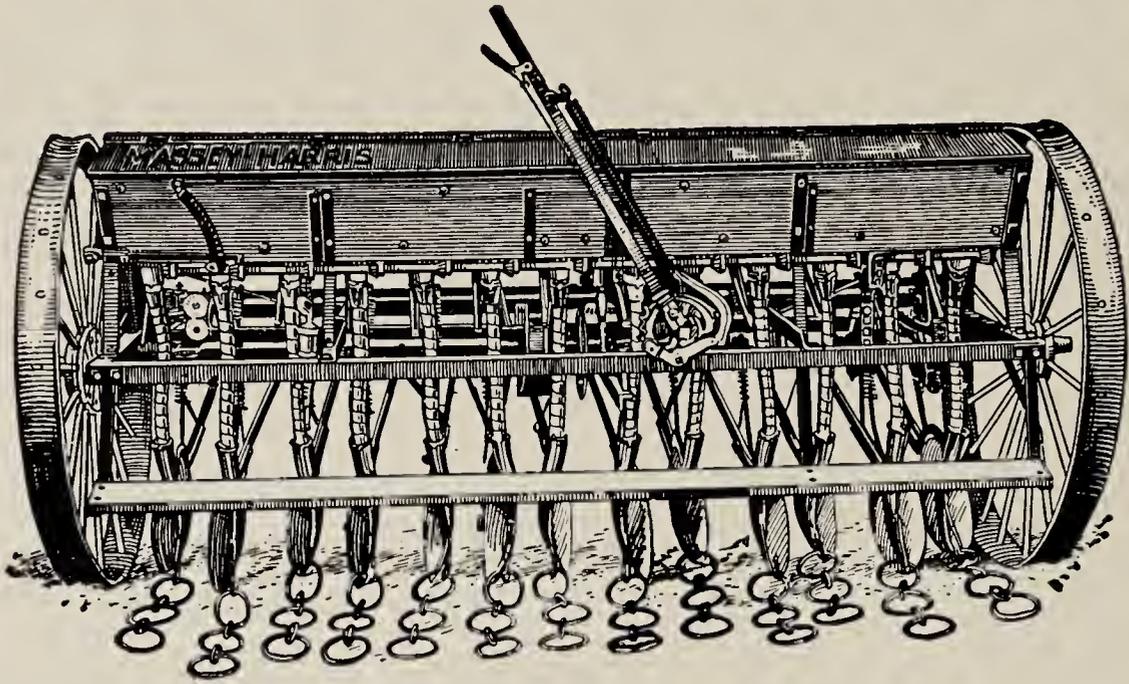
No. 7

# O.A.C. REVIEW



**MARCH, 1930**

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Annual subscription price in Canada, \$1.00; outside 1.50; single copies 15c. Advertising rates on application.

## Do You Know?

The man who says "I'd do such-and-such a big thing if only I had time!" would do nothing great if he had all the time on the calendar. There always is time—spare time—at the disposal of every human who has the energy to use it.

Albert Payson Terhume.

### OUR NEXT WAR?

Insects are man's worst and deadliest enemies. They are fighting with him on a thousand battlefields and these conflicts are becoming more and more frequent. The manner of life of man multiplies these opportunities and at any moment he may offer a chance to some obscure insect to prove far more deadly than any of its predecessors. The experience of the past two decades may be but a curtain raiser to a vast drama yet to come.

### HOW NIAGARA GOT ITS NAME

Three hundred years ago, the region of the Great Lakes was peopled by three tribes who were closely related to one another. The Hurons lived in the neighborhood of the Georgian Bay. The Iroquois lived towards the south of Lake Ontario. The Neutrals had their home in Western Ontario. In the year 1645 the Iroquois massacred the Hurons and then turned on the Neutrals and slew them all to the last man. Only one word of the Neutral Language remained,—"Onghiara"—the name of the great cataract. No one knew the meaning of the name, but it is supposed that it may have meant "tobacco smoke". The Neutrals were sometimes called the "tobacco Indians" because they made use of the "lobelia" or "Indian tobacco." When the Neutrals were wiped out, the Miss-

issaugas came down from the North and took possession of Southern Ontario. They changed the Neutral word for Niagara slightly and called it "Nyahgeah" from which we get our common word "Niagara".

### OUR WINGED VAGABONDS

In 1852 the English Sparrow was brought to America to destroy canker worms and other insects that attacked fruit and shade trees. After being acclimated and naturalized for ten years, they promptly refused to eat harmful insects if they could find anything else. Today they prefer the buds and blossoms of the trees they were brought to protect besides playing havoc in vegetable gardens and grain fields. Worse yet, they drive away other birds that might carry on the job they have shirked. Only the combative, self-assertive robin can stand off the noisy, gutter-loving vagabonds.

### AND GIRLS, TOO

"Smoking in bed invites disaster. Even if you are one of the few who never fall asleep accidentally, the tip of your cigar, cigarette or a hot coal from your pipe may inadvertently come in contact with a blanket and start one of those slow fires that breaks out violently an hour or so later."

It may be observed that when a young woman returns a rude answer to a young man's civil remark, her heart is in a state which argues rather hopefully for his case than otherwise.

Hardy.

# THE O. A. C. REVIEW

"THE PROFESSION WHICH I HAVE EMBRACED REQUIRES A KNOWLEDGE OF EVERYTHING"

VOL. XLII.

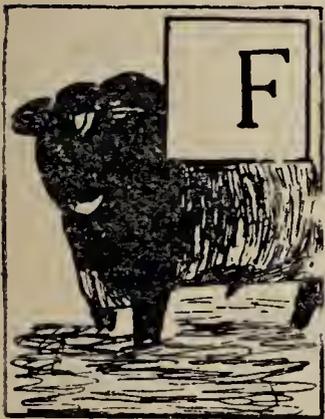
GUELPH, ONTARIO, MARCH, 1930.

No. 7.

## Herd Sires at the O. A. C.

Shorthorn, Holstein, Yorkshire and Shropshire Chief Breeds

by M. W. Chepesiuk, '30



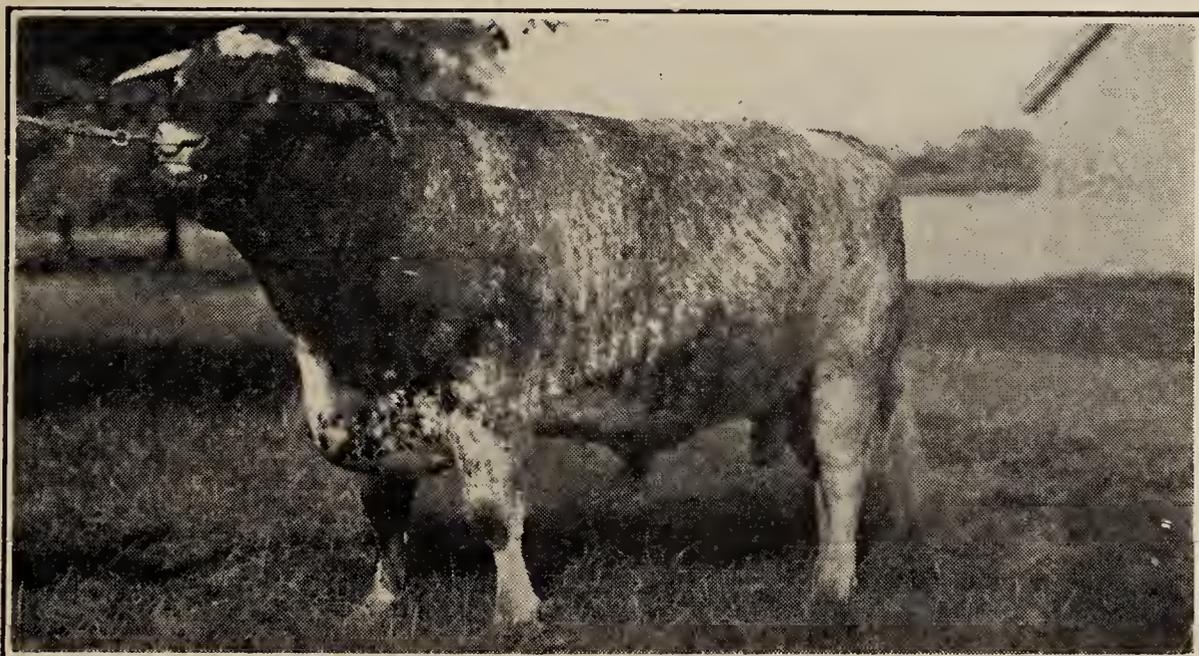
FOR well over half a century the O. A. C. has been serving the farmers of Canada in many ways. The breeding of pure bred livestock has become of vital importance to the agricultural development of any country and by assisting in the perpetuation and improvement of the economic breeds of livestock the O. A. C. has upheld its record of service to the farmer.

In the past many breeders in Canada established herds, and flocks upon foundation stock imported from the best American and Old Country stock. These herds on the death of their owners were dispersed, and for a time, improvement was nearly at a standstill. However, the Ontario Agricultural College

through periods of both prosperity and depression continued to maintain and improve the blood lines of their livestock. It has become known as a reliable place to which the farmer may come, at the Annual College Sale, to obtain the best blood of any breed of livestock. A resume of the breeding of the College herd sires shows how painstaking the selection of male breeding stock has been.

The senior Shorthorn herd sire is Quartercup, bred by W. A. Dryden. His dam is College Augusta the 6th, one of the best breeding cows ever owned at the O. A. C. She is now sixteen years old and has recently produced her fifteenth living calf. For sire he had Quarterstaff—an imported bull, sired by Max of Cluny, one of the great breeding bulls of Scotland.

The junior Shorthorn sire is Thorn-



Thornham Delight, Junior Shorthorn Herd Sire.

—Courtesy of the Animal Husbandry Department.

ham Delight, bred by T. T. Elliott of Guelph. He is a double grandson of Millhill's Comet, the highest priced Shorthorn bull that ever came to Canada. He is a half brother to Thornham Minstrel, an International winner and sire.

At the head of the Aberdeen Angus herd is Aberlour Blackbirdman, bred by George McAllister and Sons of Guelph. He was Junior Champion and Reserve Grand Champion at the Royal Winter Fair in 1927.

The Hereford Herd Sire is Brae Dale 43rd—bred by McNeill and McNeill of

The Junior Holstein Herd Sire is Sir Sylvius Posch Fayne—sired by the famous show and breeding bull Posch Sylvius Canary. His dam was Mary Fayne Lass, a show cow that died before she could prove her worth.

The College Jersey herd is headed by Brampton Beauty Volunteer, sired by Jersey Volunteer, one of the greatest breeding Jersey bulls in Jersey history, and having a large number of Qualified daughters on the Island of Jersey, in Canada and in the United States. Jersey Volunteer was famous as a sire of cows that combined type with produc-



Pioneer King Toitilla, Holstein Herd Sire.

Dutton, Ontario. This bull has five full sisters that have been Grand Champions at some of Ontario's larger shows. The above beef sires represent the blood of the best breeding herds in Canada and in the "Old Country".

Holsteins outnumber the other dairy cattle breeds kept at the O. A. C. The Senior Herd Sire is Pioneer King Toitilla—bred by Walburn Rivers of Ingersol, Ontario. He was Third prize aged bull at the first Royal Winter Fair held in 1922. He has a long list of qualified daughters in R. O. P. and is also a sire of noted show winners.

The dam of Brampton Beauty Volunteer was Sybils Golden Beauty, who as a two-year-old made 11,053 lbs. milk and 577 lbs. butter fat in the 305 day division of the R. O. P. At the time, this was the second highest record, for that class, in Canada.

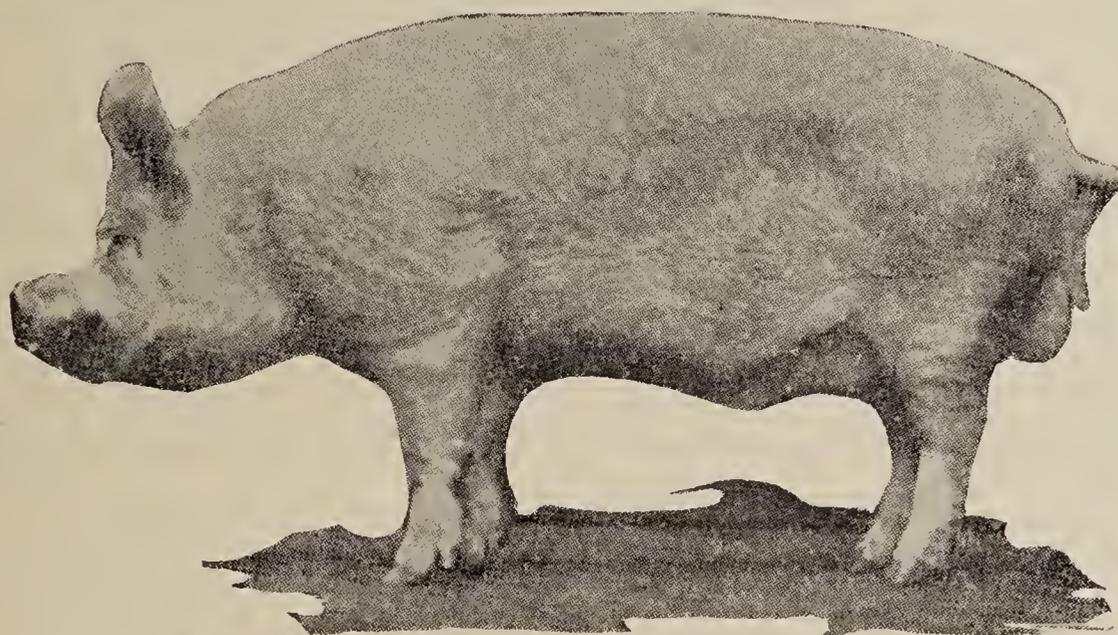
The Ayrshire herd is headed by Macdonald Renown bred by Macdonald College, P. Q. His sire was Thornhill Renower, an imported bull and an outstanding breeding sire. For dam he had Macdonald Field Snowdrop. She qualified twice in R. O. P. before she was disposed of. Her sire was White

Beauty's Good Gift—an outstanding breeding bull. Her dam Leaf Field Snowdrop was the outstanding breeding and producing cow in the Macdonald College Ayrshire herd. She made five records of over 10,000 lbs. of milk on twice-a-day milking. She was also the dam of the famous show bull of recent years—namely Macdonald Combination.

Macdonald Renown has been replaced in the College Ayrshire herd by Glen Campbell Destiny, bred by F. C. Biggs and Sons, Dundas, Ont. For sire he has Dalfibble Discovery, an A. A. im-

with a high percentage of lean meat.

The other Yorkshire herd sire also an aged boar is Wiltdale Excelsior, bred by A. E. Cooper of Edmonton, Alberta. He was purchased by the O.A.C. from the Manitoba Agricultural College in 1928. He was Grand Champion Yorkshire boar at the Royal Winter Fair in 1927 and was Reserve Grand Champion at the same show in 1928. His progeny have been outstanding show winners in Western Canada and sons of Wiltdale Excelsior sired the Grand Champion Car Lot of Bacon hogs at the Royal



Wiltdale Excelsior, Yorkshire Herd Sire.

ported bull. His dam was Delvale Rhod-  
een, who had made a record of over 14,  
000 lbs. of milk and 597 lbs. of butter  
fat in the 365 day division of the R.O.P.

The males and females in the O.A.C. dairy and beef herds represent the choicest blood lines that their respective breeds possess. Every effort is made to improve the college stock by the purchase of richly bred and superior sires.

The Yorkshire Swine herd at the O. A.C. represents one of the largest and oldest breeding herds in Canada. The Sr. Yorkshire herd sire is Pine Grove Glory 39, bred by T. K. Featherston of Streetsville, Ont. This boar traces back to several of the foundation boars of the breed in Canada. His offspring are very good feeders and yield a carcass

Winter Fair in 1928 and 1929. Wiltdale Excelsior sired a boar that has had an outstanding breeding record for the breeding season of 1927-28 for the Kenton Swine Club of Manitoba. This boar was bred to 105 pure bred sows, siring 1055 living pigs from these sows in one breeding season, an average of just over ten pigs per litter. A carload of 60 hogs practically all sired by this boar, marketed by the Kenton Swine Club, graded one hundred per cent "Select" in the fall of 1928.

The Berkshire swine herd is headed by Gotemallbeat—a boar bred by the O. A.C.. He had for sire Elmridge Chief 7th, a Grand Champion boar at the "Royal."

(Please turn to page 428)

# Agriculture and Industry

## Their Relationship Outlined by Dr. G. I. Christie

ON January 21st, the Canadian Manufacturers' Association tendered a complimentary banquet to the Prime Minister of Ontario, The Honourable G. Howard Ferguson, as evidence of their appreciation of the work he has done for Research through the establishing of the Ontario Research Foundation.

Dr. Christie was asked to attend this banquet as a guest of the Association and to make a statement on the Relation of Agriculture to Industry. A summary of this statement follows:

"Manufacturers have a definite and deep interest in Agriculture. They are aware that farmers are important buyers and users of manufactured and industrial products. They recognize as clearly as any one class the part manufactured articles play in the larger development of agriculture. They also recognize that a prosperous agriculture and an increase in the buying power of the farmer, means a larger production and sale of manufactured goods. When the crops are good and farm products bring fair prices, manufacturers as well as other classes prosper but when the farm income is low, the farmer must refrain from buying. Industrial plants are slowed down, labor is without employment and the whole general situation is seriously affected.

Some of the important manufactured articles purchased by the farmers are as follows:—

Agricultural Implements; building materials; fencing materials; tile; fertilizers; spray materials; feeds for live-stock; foods for the family; automobiles trucks, and tractors; containers and

shipping supplies; radio; telephone; labor saving equipment for the home; furniture and house furnishings; clothing; paints; gas and oils and electric power.

There is also the large expenditure on account of transportation facilities. While these are made directly by the municipality, the province or railroad corporation, agriculture shares the credit and responsibility for the many projects.

The railroads came on the demand of farmers and they have played a most necessary and effective part in the large development of the farm areas. They have served as the connecting link between the farms and markets of the world.

Now more and more attention is being given to rural highways. The Ontario Government is working on plans for roads which will connect the farm of the "Back Concession" with the excellent and extensive provincial system of highways. Improved and suitable "all-weather" roads are a direct part and asset of the farm. They connect the town and country, they lower the cost of marketing of farm products, they make possible the marketing of farm products at regular periods throughout the year and when the market demands them. They encourage on Ontario farms the necessary change from hay and cash grain crops to the production of live-stock, the keeping of dairy cows and poultry, truck gardening, the growing of fruit and other intensive forms of agriculture.

Special mention should be made of

electric power available to farms. Through the development of the Hydro system in Ontario and the rapid extension of lines in the rural sections, farmers are securing a convenient form of power at low cost. This can be appreciated when it is known that the cost of electric current for the operation of the cream separator is less than ten cents per day. The power used in pumping water, grinding feed, sawing wood, and milking the cows is secured on the same comparatively low scale. In other words, electricity is a convenient, reliable and economical form of hired help.

It is understood that the construction and maintenance of rural Hydro electric lines means a large investment. Ontario is a large province and in some sections the farms are widely scattered. Some time will be required to reach any large share of the farms. But it is encouraging and hopeful to note the efforts now being made to extend the service.

These aids to agriculture in the form of machinery, equipment, transportation, power and supplies, combined with a type of land and unusual soil fertility, have enabled the Canadian farmer to make a record in production. He stands at the top in the amount of farm products produced per man. Farms in Great Britain and on the Continent may produce more per acre, but for man power used the Canadian farm is far in advance. This is an important factor, a great advantage and accounts in part for the progress of our farms."

Another important point which should receive the consideration of farmers and manufacturers is the production and marketing of those agricultural products which can be used in industry. All too long farm production has been pointed towards those products for human stom-

achs. It is evident that there are only so many millions of mouths to be fed and that in some ways we are producing sufficient food for these. Industry offers an almost limitless market for a number of products. If a part of our farms, and our efforts can be used in the production of these products, then the situation would be changed and Agriculture would be benefited.

The Soy Bean crop can be grown in a successful way in many parts of Ontario. This crop contains from 20% to 22% of oil. The oil is of high quality and can be used in the making of paints, soaps, and numerous other products. Canada is now importing tremendous quantities of this oil. A large share of this should be produced in Canada.

At the present time, Flax Seed is being imported from South America. Ontario farmers are producing flax on a profitable basis. The problems of diseases are being solved and some of the difficulties which presented themselves a few years ago are being largely overcome.

#### This Crop should be Increased

Industry is using large quantities of products which can be produced on Canadian farms. It is our opportunity then to do everything possible to bring these two interests together.

It is of interest to note the reaction of the Press and Industrial Leaders to the statements made by Dr. Christie. The following is from the Financial Post, published in Toronto:

#### Leadership in Research

"The meeting of the Ontario branch of the Canadian Manufacturers' Association held this week, and addressed by Premier Ferguson of Ontario and Dr. Christie, head of the Agricultural College at Guelph, was one of the most valuable meetings ever held by the manu-

facturers' body. The significant remarks of the two speakers should have had the close attention of every leading industrialist in Ontario. Yet the attendance was only fair and many of the chief executives of Ontario manufacturing institutions were absent.

It has been announced that Premier Ferguson would speak on research and this in itself should have brought out all the captains of industry of Ontario. The Ontario Government is matching dollar for dollar the money subscribed by industrialists for research. Ontario has already contributed \$1,800,000.

The Prime Minister's speech was full of constructive suggestions. Again and again he pointed out that the prosperity of this industry and of that was dependent on reduction of cost and improvement of quality through research.

Dr. Christie, President of the Ontario Agricultural College, supplemented the Prime Minister's remarks by showing the value of research to agriculture and the interdependence of agriculture and industry in building up the prosperity of the Province. He pointed out the value of the home market and stated that last year 200,000 farms of Ontario had created new wealth to the value of \$400,000,000. He hoped this year there would be an increase of \$50,000,000, and he saw no reason why there should not be still further increases each year. On food products the farmer had to compete with the market for the world, and prices were cut to a point where there was little margin left for the producer.

There was another field, however, said Dr. Christie, more attractive to the farmer and one in which industrialists were very directly interested.

There were many lines produced from the soil which were required by manufacturers. These could be produced and

used in almost unlimited quantities. He referred specifically to soy beans from which oils were extracted for a variety of purposes, and flax for the production of linseed oil. Objections might be raised by the farmers to going into these lines, but he stated positively they were not valid and that there was an excellent field for the production of these and many other lines which would give employment to industrial workers. He urged the co-operation of manufacturers and farmers in working out these problems.

The Ontario division of the C.M.A. are to be congratulated on arranging for these addresses, which were so full of constructive suggestions. They should follow the matter up immediately and lay out a definite plan for getting action along the lines indicated by these two brilliant addresses.

Particularly is the association to be congratulated for having put an outstanding agriculturist on its programme. The Financial Post has for years pointed to the very apparent attitude of many manufacturers of ignoring the farmer in their economic discussions. In getting Dr. Christie to tell them something of the farmers' problems and to indicate to them how they can aid agricultural development, they have set a precedent worthy of being followed up on other occasions."

In the February 1st issue of *Hardware and Metal*, comment is made on **Capitalizing Agricultural Research** as follows:—

"At a recent gathering of the Ontario Division, Canadian Manufacturers' Association, a most interesting address was given by Dr. Christie, head of the Ontario Agricultural College. His presence on that programme is perhaps significant of the closer relationship develop-

ing between manufacturers and agriculturists, and it is to be hoped that a better understanding of common problems will result in a more tolerant attitude toward each other.

It is becoming increasingly evident that there is an inter-dependence between those groups, and it is a fact that, as research is carried on and more scientific study given to development and improvement in product and marketing methods, these two branches of industry are brought constantly closer together.

Dr. Christie, in his address, unfolded a wonderful prospect of aid to industry and greater productivity for the farm through application of the lessons learned from research. He told of the possibilities for growing soy beans in Canada—a product rich in vegetable oils used largely in the making of shortening and in the production of paint. Great quantities of this oil are used in Canada, yet it had to be imported even though soy beans could be grown easily in Canada. The growing of flax had been discouraged in this country because of rather unsatisfactory results due to the presence of a blight which could be eradicated by proper methods. Flaxseed was used in great quantities for the production of linseed oil and there was a market for flax straw in the manufacture of fibre board. The growing of some of these products offered the farmer a better return per acre than when sowing grains, and all that was required was the dissemination of proper information to farmers.

As a source of raw material for a broad list of manufactured products, the Canadian farm offers unbounded possibilities and, therefore, manufacturers might well take a closer interest in agricultural research work in this country. Great strides have been made along

these lines by such organizations as the Ontario Agricultural College despite the limitation of appropriations for this work, and it now remains for all interests concerned to co-operate to the fullest extent."

In this connection, it will also be of interest to readers to have information on Soy Bean Oil. This has been taken from the "Congressional Record" at a recent discussion in connection with the tariff proposed by the United States.

#### SOY BEAN OIL

"The soybean grows principally in Manchuria. The oil from the soybean came into the United States in great quantities during the World War for use in the manufacture of soap and lard compounds. It is valuable as a vegetable oil, and it is also used in oleomargarines, salad oils, soaps, paints, varnishes, oilcloth, linoleum and printer's ink.

Here is a plant which will produce an oil that is used for nearly every important purpose for which any oil is now being used in the United States or elsewhere. Let me recite the list of uses of soybean oil. It is used in connection with the production of oleomargarines, salad oils, soaps, paints, varnishes, oilcloth, linoleum and printer's ink.

Here we have an instance of a vegetable oil functioning as a competitor with the inedible oils in the production of such articles as paint, varnishes, oilcloth, and the like. An added evidence of the interuses of almost all the oils now under consideration.

The domestic production of crude soybean oil in the United States in 1928 amounted to 4,715,908 pounds. Soybeans have been grown in this country on a rapidly increasing scale in the last several years. A by-product of soybean oil is soybean cake which is an excellent

(Please turn to page 430)

# The Canadian Society of Technical Agriculturists

## A National Institution

By Fred H. Grindley, Late General Secretary, Ottawa, Ont.

(Editor's Note—*The following article is the last one which Mr. Grindley wrote for publication. He suddenly died at his home on February 14th, having been ill only a few weeks. Besides being General Secretary of the C. S. T. A. he was Managing Editor of Scientific Agriculture and his death leaves a gap which may not be easily filled.*)

THE "experiment" undertaken ten years ago, of organizing the professional agriculturists of Canada, has been in progress for a sufficient length of time to warrant a statement of results.

In 1920, when the C.S.T.A. came into being, four hundred university graduates constituted its total membership. They were scattered from one end of the Dominion to the other. The Society was embarrassed financially; it had no central office and the General Secretary conducted his work, with inadequate facilities, in his own home; there was no thought of publishing a journal because of the expense, and consequent financial risk, involved. Under these circumstances one would have expected slow progress, but apparently the need for the organization was great and the interest in its development keen.

In an article of this kind, space cannot be devoted to the details of development over a ten-year period. Space does, however, permit a brief outline of the Society's organization and activities at the present time, and this picture affords a striking contrast to the one drawn in the last paragraph.

On December 31st, 1929, the total membership of the Society had reached 1,140, a figure that compares favour-

ably with professional organizations in medicine, law, dentistry, engineering, etc. These members are thoroughly organized in seventeen local branches, extending from coast to coast and holding frequent meetings during the year. A monthly journal, "Scientific Agriculture", has been published by the Society since 1921 and has been so developed in size and quality that it now ranks as one of the leading scientific agricultural journals of the world. Adequate headquarters are maintained at Ottawa, which include, in addition to executive offices, a lounge room for the use of members and a Board Room for agricultural meetings of all kinds. Standing committees are dealing with such important matters as agricultural research, graduate studies, agricultural education, marketing, etc. Finances are in sound condition in spite of the fact that membership fees have been reduced fifty per cent. since 1922. The Society became incorporated under Dominion Charter in 1928.

The development of the Society in this ten-year period has not been made without facing some difficulties and overcoming some obstacles. There have been periods when the organization was in serious danger of being discontinued. Membership interest has waned from time to time. The journal has been criticized for being too "technical". Such periods are passed by all new undertakings and probably are really beneficial. The loyalty and support

given in times of depression, by outstanding members of the C.S.T.A., and the recognition accorded by the leading agricultural institutions in Canada, have been the greatest encouragement in its early history.

Today the C.S.T.A. is recognized as a necessary institution in Canadian agriculture. The support given to its journal by the National Research Council, the Dominion and Provincial Departments of Agriculture and the Agricultural Colleges of Canada; its new headquarters at Ottawa, referred to above, the gift of a group of agricultural manufacturers and milling companies; the scholarships awarded through it by the T. Eaton Company; the grant made to it by the Rockefeller Foundation to finance a survey of graduate facilities in agriculture in Canada; the affiliations it has formed\*; the reception and support given to its annual conventions, which alternate east and west in Canada; these are all forms of recognition of the importance of the Society and indications of the esteem in which it is held.

To this development the Ontario Agricultural College has made its contribution. A brief reference to the Society's presidents, who have guided the organization through this dangerous period of growth from youth to maturity, is convincing evidence of that. L. S. Klinck (1920-22), now President of the University of British Columbia, graduated from the O.A.C. in 1903; J. B. Reynolds (1922-23), was Professor of Physics at the College from 1893 to 1906, Professor of English from 1906 to 1915, and President from 1920 to

1928; H. Barton (1923-25), was a graduate of 1907, and E. A. Howes (1925-26), graduated in 1911; the late G. C. Creelman (1926-27), graduated in 1888 and was President of the College from 1904 to 1920; L. P. Roy (1927-28), went to the O.A.C. in 1914-15 to study agronomy and to learn English; E. S. Archibald (1928-29) was a graduate of 1908. and J. P. Sackville (1929—), the current President, was a graduate of 1915, Lecturer in Animal Husbandry from 1915 to 1917, and Associate Professor of Animal Husbandry from 1919 to 1922. The active association of these men, and of scores of others, with the Society, has been a most important factor in its growth.

One could devote a great deal of space to the details of C.S.T.A. activities, to its conventions, its specialized groups, its local branch activities, its scholarships, its contacts with large industrial concerns, etc. It is not necessary to do so here. The Society is now firmly established as a permanent professional organization in Canada. Every agricultural graduate, whether he is engaged in farming, extension, administration, research, teaching, journalism or commercial work should indicate his interest in the Association, and in his profession, by becoming a member. If he is not a member, he should have some good reason to put forward for his lack of interest.

In June, 1930, the tenth annual convention of the C.S.T.A. will be held at Wolfville, N.S., the seat of Acadia University. It will be a memorable occasion, terminating the first decade in the history of an organization that has already gone far beyond the dreams of its organizers.

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\*The C.S.T.A. is affiliated with the British Association for the Advancement of Science, the American Association for the Advancement of Science, and the Royal Society of Canada.

# Why I Came to the Ontario Agricultural College

(Editor's Note—*Since coming to the O. A.C. each Freshman of Class '33 has, at the wish of Dr. Christie, written his reasons for enrolling. The following are three of the letters.*)

By R. W. Greenwood

I MUST commence at the beginning and tell you that I left high school during my first year, much against my parents' wishes. I supposed that I had reached man's estate and wanted to take my place in the world at once.

I worked on our small fruit farm, for about one and one-half years and then went to the city. I obtained a position with a large steel foundry and commenced a four year apprenticeship course but at the end of two and one-half years I knew that I was a square peg in a round hole, and left the firm.

I went back to the farm for six months and then obtained a position with a large merchandising house and after one and one-half years, I was placed in charge of a section. I was "making good" and in the distant future could see many more positions to be obtained.

I had now reached the age of twenty-two years and was still very much dissatisfied. I was beginning to see that money was not the object of life, but rather service and personal satisfaction. I gave the matter much serious thought and found that I was not satisfied with my work. I found out rather suddenly that I wanted to be outdoors or in other words to be "back home."

Experience in the business world had shown me that I could not be a success without an education. This helped me realize I could not be a success as a

farmer of any kind, unless I had a real sound agricultural education as a foundation. I could see too many men who had been raised on the farm and were using obsolete methods for the simple reason that they did not know of the scientific side of agriculture. They resembled a ship without a rudder.

I took the matter up with my parents and came to a decision and then registered as a freshman. In other words, I came to the O.A.C. to find the necessary education to make me a better man, satisfy my inner self and do the work for which I believe I am best fitted.

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By Angus Banting

It is a difficult matter to say definitely which of three reasons was the foremost in deciding me to come to the Ontario Agricultural College. At any event I am here making an attempt to satisfy each of the three reasons.

In the first place, on the farm at home we have been working blindly. We did not know what fertilizer to use on our land, for instance, nor why that particular kind would be most satisfactory. We did not know what rations to feed our dairy cattle and why. I am here then to learn, if not the how or why of each operation of farming, at least a way of finding out that how or why.

Secondly, on the farm I have never had the opportunity I wanted, to be with men, to study their actions and reactions to circumstances, or to note the attitude of a group towards certain types of individuals. The O.A.C. is providing that opportunity.

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# N. F. C. U. S.

## N.F.C.U.S. TOUR TO EUROPE, SUMMER 1930, ASSURED OF GOOD REGISTRATION

Several applications have already been received by the Travel Secretary, Mr. Gordon Burns, Hart House, the University of Toronto, and many inquiries are being received as to details. While it is to be anticipated that the heavier registrations will come from Toronto and McGill universities, the Travel Secretary has taken as a slogan "Every University Represented"; the fact that the tour is exclusively an all-student tour is a feature which will appeal to every university student contemplating a visit to Europe, in that he can always be with those who have the same in common with himself. During the

course of the tour five different countries will be visited, Scotland, England, France, Holland, and Belgium. The total price of \$424.25 covering all expenses during the forty-four day trip has been made possible largely through the European connections of the International Confederation of students, which has been engaged for the past nine years in promoting travel among the university students of the world. Through their offices, students are permitted not only to travel at reduced rates on continental railways and motor routes, but many points of interest, otherwise inaccessible, are thrown open to them.

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## TWO DEBATING TOURS UNDER WAY IN JANUARY AND FEBRUARY

On February 7th, two debators, Messrs. W. C. Erskine of Williams College, Williamstown, Mass. and M. H. Williams of Wesleyan University, Middletown, Conn., representing the National Student Federation of the United States, left New York City for Halifax, N. S. where they commenced a series of seven Canadian debates, with Dalhousie University. The tour occupied about three weeks taking in all university points in the Maritimes and Quebec, the University of Montreal being final hosts on February 24th. Mr. Erskine is president of the local debating society at his University, in addition to being in charge of student instructors in the university public speaking course for Freshmen. Mr. Williams is the son of the president of Ohio State University, and

was declared the winner of the oratorical championship for the New England States; He placed fourth in the National Oratorical Contest for university students of the United States in 1928.

Messrs. Henri Faubert (University of Montreal) and J. G. Rennie (Bishop's University) who both hail from Quebec are on the Western phase of their month's tour which has carried them from Montreal to Vancouver and back to the Canadian Prairies. Both these students have long been prominent in local and intercollegiate debating circles in Quebec and Ontario. Mr. Faubert will not be away from home on the Prairies, as last year he represented his home University against Messrs. Nelson Chappel, W. Masterson, and C. McKenzie, the Western Team which started a series of debates at Regina and concluded at Halifax.

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# New O. A. C. Scholarships

## For London Collegiate Pupils

**T**HROUGH the generosity of Thomas E. Wilson, President of Wilson & Company, Chicago, and a London old boy, three scholarships with \$300 each, at the Ontario Agricultural College, are made available to students of the three London Collegiates. When offering the scholarships, Mr. Wilson expressed a wish that the prize be awarded to farm boys (preference being given to boys from stock farms) who attain highest rank in final examinations.

Dr. Christie recently met the three collegiate principals, Messrs. Miller, Dolan, and Graham, and explained the details and purpose of the scholarships. Thomas E. Wilson, he said, was chairman of the National Committee on Boys' and Girls' Club work in United States and in that position appreciated the importance of leadership. More than that, Mr. Wilson is still interested in the welfare of London, the town of his birth and boyhood days, and through these scholarships the donor wished to express his good wishes to London and at the same time aid in equipping young leaders for the future development of agriculture. The principals in turn expressed their appreciation of Mr. Wilson's generosity and purpose, and declared that the liberal scholarships would act as a very strong incentive to the collegiate students.

The following are the regulations governing the scholarship:

1. The Scholarships will be known as

the Thomas E. Wilson Scholarships in the Ontario Agricultural College.

2. Mr. Wilson has offered three scholarships valued at \$300.00 each.
3. The scholarships are to be awarded in the Collegiate Institutes of London, Ontario, to farm boys (preference being given to boys from livestock farms and who are interested in the livestock industry) who attain highest rank in Collegiate final examinations.
4. The committee on awards will consist of the Principals of the Collegiate Institutes, the Agricultural Representative of Middlesex County, and Mr. Porter, representing the O. A. C. Alumni Association.
5. The scholarships available at the beginning of the College year, Sept., 1930, will be applied on payments for board and lodging. In cases where a winner of a scholarship is unable to enter College in Sept., 1930, arrangements may be made with the President of the College to delay time of entrance one year.
6. If a winner of a scholarship finds it impossible to enter the Ontario Agricultural College at the time indicated, the Committee on awards will be so advised and the scholarship will be awarded to the next highest ranking boy (the condition with reference to the interest of the boy in livestock to be observed.)



Thomas E. Wilson

The history of the scholarships is interesting. Recently Dr. Christie spoke in Chicago at a gathering of leading men interested in all phases of agriculture. He regretted that more of the brighter students in the high schools and particularly boys from farms, whose fathers were stock breeders, did not go to Agricultural Colleges and pursue their profession in a scientific manner. Mr. Wilson, who was present at the meeting, rose to indorse the views of Dr. Christie. He told the audience that he was an old Ontario boy, and he offered on the spot to give three scholarships for this purpose to the Collegiate Institutes of London, his old home town.

Thomas E. Wilson was born in London on July 22, 1868. His father had accumulated a moderate fortune in the oil business, and when the boy was nine years of age, the family moved to Chicago. After passing through the primary and high schools in Chicago, young Wilson found himself unable to go to college, since his father had met with financial reverses. A job was secured in the head-office of the Chicago-Burlington and Quincy Railroad. It was merely a minor clerkship paying only \$40 per month. There were other positions available and some at higher wages, but as young Wilson expressed it, he wanted to get himself identified with a big concern like a railroad, so that when he got to the top it would be worth all the trouble of making the climb.

In 1837, Thomas Wilson was transferred to the transportation department

of the packing firm known as Nelson, Morris & Company. Here his rise was meteoric, and in 1913 he became President of the company. However, in 1916, at the request of New York bankers, Thomas E. Wilson took over the packing firm known as Sulzberger & Sons Company, which was being refinanced and re-organized. The name of the company was changed to Wilson and Company, with Mr. Wilson as president. He soon built up a highly efficient organization, and at the same time began to develop a closer co-operation amongst the meat packers of the United States through the Institute of American Meat Packers, as well as between the live stock producers and packers. This elevated him to a commanding position of leadership in the entire industry and made him a public figure in the life of the nation.

Mr. Wilson has contributed very materially to the advancement of 4-H Clubs throughout the United States, and since 1924 has been chairman of the national committee on Boys' and Girls' work. His great success in the world of industry and finance and his work with young people's organizations have taught him the value and importance of leadership, and with the object of making some worthwhile contribution to the development of agriculture in his native province through the medium of trained leadership. Mr. Wilson is giving his valuable scholarships to the students of the London Collegiates.

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## Correction

After the first section of the issue had been run it was found that an error had been made in the caption of the picture of the Shorthorn herd sire on page 385. The picture shown is that of QUARTERCUP instead of Thornham Delight.

# The Experimental Union

## Mr. W. A. Wilson, Speaker at the Annual Banquet

(Continued from the February Issue.)

The Utilization of the Soy Bean Crop was dealt with by Mr. J. B. Edmondson, Clayton, Indiana, who is the secretary of the American Soy Bean Association.

The speaker prefaced his remarks by saying that one reason why economic conditions in the farming industry were so disturbing was the fact that beginners were not given a sufficiently prominent place in rotations. Many farms in the State of Indiana had been abandoned because of the failure to realize the need of, and place for, these crops in ordinary farm practice.

The growth of the Soy Bean industry was briefly traced to show that in some parts of the world it was a staple crop. It was pointed out that Manchuria, a small province, was expected to produce one hundred and seventy-five million bushels this year.

That the uses of soy beans were many and that the supply did not meet its demand was emphasized by the speaker. There was a large and growing market for seed and he had no fears of there being a surplus for many years to come. There is a demand for the beans for the purpose of extracting the oil which they contain, and which has many uses. The by-product resulting is a valuable feed for live-stock. Mr. Robert Knister, Northwood, Ont., and Prof. Squirrell both spoke on the uses of the crop. Mr. Knister said that he had grown it and found it satisfactory for six years. He stated that the stock appeared to eat the straw with relish even when they were receiving course alfalfa hay. Prof. Squirrell stated that the crop had been grown at the O. A. C. for forty years

and that he had never seen them affected by the early fall frosts.

The evening was devoted to the Annual dinner of the Union. Dr. Christie being in the chair.

The chief speaker of the evening was Mr. W. A. Wilson, Chief Agricultural Marketing Agent for Canada in London, England.

The gist of Mr. Wilson's speech was that Canadian products commanded a ready market in the Old Country, but the supply was intermittent and consequently dealers were somewhat reluctant to handle them. These dealers created a market for Canadian products, then, when it was more or less established, and consumers were asking for them, the supply suddenly ran out. Unless a steady supply could be guaranteed they would prefer not to handle them. The speaker urged that greater supplies should be forthcoming so that these difficulties should be overcome. All Canadian farmers had to do was produce more butter, cheese, eggs, hogs, and what have you, so that a steady supply could be delivered to the British market, and everything in the garden would be lovely. As we listened we had, for a moment, a vision of Empire free trade a la Lord Beaverbrook, which was rather fascinating, and we nearly went in off the "deep end". At the physiological moment however, we remembered a lecture which we had had in the Economics building the day previously. It was pointed out to us that price levels in Canada are considerably higher than they are in England and in some of those countries which are at present sup-

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# “The Mikado”

## PHILHARMONIC SOCIETY SCORES A TRIUMPH

ALTHOUGH not deserving of unqualified praise, “The Mikado,” as presented under the direction of Mrs. E. C. McLean, on March the 6th and 7th, was certainly the most entertaining play the Philharmonic Society has sponsored in recent years.

The house both nights was nearly filled to capacity, and there were many features of the play which combined to charm and entertain the audience and to despatch the evening in what seemed a few minutes.

In the opening scene, the men’s chorus in full Japanese costume was well done, and while it lacked some of the quality and volume of last year’s production, was certainly appreciated. Nanki-Poo, the wandering minstrel (N. C. Lindsay) took his solos fairly well but presented his usual impassive face to the audience. It would help considerably if he could manage some of those facial expressions which go to make complete acting. Pish Tush (R. W. Morrison) was better adapted than in some recent productions and deserves special mention for good acting and singing although the part was not exacting. There were times when his attitude was a little unnatural but as a whole he did well.

Pooh-Bah (A. Banting) in that difficult role of the supremely aristocratic Lord High Everything Else, carried off his part almost perfectly. If anything were to be criticized it would be a slight lack of an occasional gesture which is given the part by professionals but the standard of an amateur was certainly excelled in this part.

Ko Ko (R. D. Cameron) was received with tremendous ovations by the aud-

ience and his bobbing head-piece was always the signal for a laugh. Although he undoubtedly was the favorite of the audience, and displayed remarkable talent as a comedian, it must be said that he burlesqued the role too much. It may be a good thing to be able to keep the audience in good humor but it is not considered the best ethics to incorporate in a role actions beyond the wildest dreams of the author or the fondest desires of the audience. And even more is it not considered good ethics to “hog” the stage to the exclusion of other actors who have the lead. It was regrettable that Ko Ko made several stumbles on his lines and that his voice did not permit a really good rendering of “Titwillow,” but we must congratulate him on the ready clowning that brought such uproarious laughter.

The girls’ chorus, and the “Three Little Maids” were fairly good, and Miss Willa Couse as Yum-Yum certainly gave her best to a difficult part, and displayed a soprano voice of some merit. She was ably assisted by Miss Ruth Crawford as Pitti-Sing and Miss Evelyn Bovaire as Peep-Bo.

Perhaps the happiest choice in the whole cast was Miss Frances Hucks for Katisha. Probably never has the desired tragic yet humorous character of Katisha been presented more ably than in this production and Miss Hucks is certainly to be congratulated on her successful acting and on her delightful singing.

The Mikado, himself, as played by M. P. Harrison was excellent, but at times

we were not sure but what it was a little overdone. He seemed a little too vindictive about the boiling oil, instead of being satirically benevolent.

In summing up, we must certainly say that the Philharmonic Society and certain specific individuals have combined to produce the best play the College has heard in recent years. However, as we have pointed out, there were breaks in cues and lines bad enough to be associated with much less experienced players, and there was both overdone acting as by Ko Ko, and possibly by the Mikado, and also a lack of some of the gestures and expressions usually associated with the part, as by Pooh-Bah and Nan-

ki-Poo; and finally there were well taken parts, as by Katisha.

It should be mentioned that the music was well directed by Mrs. Springer Mason and that the College Orchestra assisted by Miss E. C. Sommerfeld and Mr. J. B. C. Watkins did very well.

Finally it is necessary to include some mention of the scenery which was very satisfactory and well handled. This is due to the untiring efforts of Mr. J. Kendall in painting the scenery and the work of an efficient stage crew.

We heartily congratulate the Philharmonic Society on a play which far surpassed any production of the last four years.

## O. A. C. Students' Council

### FINANCIAL STATEMENT, 1928-29

<b>Receipts</b>			
Bank Balance .....	\$ 81.08	N.F.C.U.S. ....	21.85
Fees (A. M. Porter) .....	267.50	Wallace Printing Co. ....	11.70
Freshman Hats and Caps ....	229.03	13 Representatives to other Colleges .....	136.75
Refund from N.F.C.U.S. ....	13.65	Wreaths .....	35.00
Sale of Song Books .....	33.60	Banquet Exs. ....	50.30
Total Sale of Crests .....	66.30	Philharmonic Soc. ....	22.00
Barbecue Receipts .....	80.00	Desk Set to Dr. Ross .....	20.00
N.F.C.U.S. per capital levy..	41.60	Year Book Photos .....	27.00
N.F.C.U.S. Dance .....	39.50	Crests and Ribbons .....	15.01
Loan from Fines Acct. ....	150.00	Affiliation Fees .....	35.00
Macdonald Hall S. Council ..	34.10	H. A. Wilson—College Crests	99.42
Sale of Stars .....	15.75	Merit Stars on Acct. ....	30.00
Bank Interest .....	1.53	Imperial Student Conference.	100.00
	—————	Cash on Hand .....	1.53
	\$1,053.64	..	\$1,016.37
<b>Expenditures</b>			
500 Song Books .....	\$ 40.17	Bank Balance .....	37.27
Initiation Sundries, etc. ....	16.10		—————
Cent. Ont. Sporting Goods...	149.00		\$1,053.64
Fresh-Soph. Banquet .....	97.80		
Jackson Bros. ....	4.50		
Barbecue .....	90.11		
Gummer Press .....	13.13		

I. E. Thomas,  
Treasurer.

## Sixth "College Royal"

### Second Year Wins Exhibition Honors

The honors of the sixth "College Royal," which was held on March 4th., were carried off by the second year students. The Sophomores outpointed their fellow students in the other years in the various events, which included the judging of livestock, grain and dairy products. The third year stood second; first year third; and fourth year fourth.

The grand championship in the livestock arena was carried off by A. M. Barr, '30, with a Hereford bull, while championships in the various classes were awarded as follows: Dairy cattle, R. H. Graham, '31; sheep and swine, W. Brodie, '33; horses, J. Cullen, '32; beef cattle, A. M. Barr, '30.

M. C. McPhail, Dept. of Agriculture, Toronto; W. R. Reek, Ridgetown; and A. R. Ness, Macdonald College, acted as judges in the ring.

In the Agronomy section the grand championship, bringing with it a silver cup, was won by E. R. McLellan, '30 with an exhibit of clover seed; B. Cohoe, '32, won the championship in corn; M. P. Harrison, '30 was tuber champion; large grains, M. Chepesuik, '30.

In the Horticulture section a cup emblematic of the Grand Championship went to J. D. McConachie, '31; on an exhibit of Green Mountain potatoes; Championship in fruit went to M. E. Macklin, '33 on McIntosh apples.

The various clubs had their stands in the gymnasium, which were well above the average for previous years both for originality and quality. The Animal Husbandry Club received first prize; Mac. Hall came second; the Horticulture Club third; and the Poultry Club fourth.

The results in the showing are as follows:—

Senior Clydesdale—1, E. King, '31; 2, P. T. Joyce, '30; 3, C. Cotton, '32.

Junior Clydesdale—1, J. Cullen, '32; 2, T. Needham, '31; 3, F. Munro, '33.

Percheron—1, B. Dunsmore, '31; R. Colquhoun, '31; 3, C. Chappel, '32.

Foals—1, F. King, '32; 2, A. Stewart, '32; 3, R. Rutherford, '33.

Dairy Cattle—Senior Holstein—1, G. Cruikshank, '31; 2, R. W. Lawton, '32; 3, H. C. Hartley, '31.

Junior Holstein—1, H. Seymour, '32; 2, D. C. Murray, '31; 3, O. Buckner, '33.

Bulls—1, A. M. Barr, '30; 2, M. W. Chepesuik, '30; 3, A. V. Langton, '30.

Senior Ayrshires—1, R. H. Graham, '30; 2, Pauley, '33; 3, R. Bilyea, '31.

Junior Ayrshires—1, D. Dalziel, '33; 2, W. Arbuthnot, '31; 3, R. Davey, '33.

Senior Jerseys—1, E. A. Innes, '31; 2, H. Minshall, '33; 3, V. Alton, '32.

Junior Jerseys—1, H. J. Watt, '31; 2, W. Richmond, '33; 3, W. Whyte, '32.

Beef Cattle:

Senior Angus—1, E. Walford, '32; 2, H. S. Pettit, '32; 3, H. Aitchison, '31.

Junior Angus—1, A. McNeil, '33; 2, A. Weir, '32; 3, D. McTaggart, '32.

Junior Shorthorn—1, T. Gourlay, '31; 2, A. Pinkney, '32; 3, F. Burwell, '32.

Herefords—1, T. Clarkson, '32; 2, M. Funston, '32; 3, E. Kellough, '32.

Sheep:

Short Woolled—1, W. Brodie, '33; 2, M. Maklin, '33; 3, S. Stackhouse, '32.

Long woolled—1, C. Wood, '32; 2, N. Hogg, '32; 3, W. J. Cowie, '31.

Yorkshire Sows—1, J. Featherston,

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# THE O.A.C. REVIEW

## REVIEW STAFF

R. J. McPHERSON, '31, Editor-in-Chief  
 A. J. S. GESNER, '32, Associate Editor.

M. W. CHEPESIUK, '30, Live Stock	L. A. BIRK, '30, Alumni
W. J. COWIE, '31, Agronomy	D. C. McARTHUR, B.S.A., Alumni
W. M. GAMMON, '30, Horticulture	T. E. C. KARR, '31, Locals
J. J. MacLLRAITH, '30, Poultry	IAN McARTHUR, '32, Athletics
J. A. H. McKEAN, '30, Dairy	D. MACKENZIE, '31, College Life
H. W. BRYANT, '31, Apiculture	F. JEROME, '32, Illustrator
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J. A. ADAMS, '30, Biology	C. E. MIGHTON, '31, Circulation

MISS I. LOCKERBIE, Mac. Rep.  
 MISS H. M. GILBERTSON, Jr. Mac. Rep.

## EDITORIAL

### Agricultural Education

There are in this issue two or three articles referring to different phases of the subject of Agricultural education. These only approach the subject from a very few angles but even these few supply sufficient material to bring to the attention of the student the far-reaching and ever increasing importance of this type of education. In general the letters received by the President from the freshmen telling why they came to college show that the average young man has not yet a clear idea of the possibilities of Agricultural education. But they do tend to show that among the rising generation of the rural population especially, there is a groping for something which finally leads the individual to one or other of the Agricultural institutions.

How this tendency towards acquiring

scientific knowledge is being brought about cannot be definitely pointed out but when one reads of the Manufacturers' Union inviting Dr. Christie, one of our Country's leading agricultural lights, to address their meeting one cannot help realizing that the manufacturing business world and the agriculturally producing interests are finding that only through co-operation rather than antagonism can either expect to progress economically.

Mr. H. P. Craig-McFeely, who was with the O.A.C. Poultry Department last year and now at Kemptville Agricultural School, in writing in "Agricultural and Industrial Progress in Canada," published by the Canadian Pacific Railway Company, says in part:

"It is not enough for the farmer to

live industrious days. He must constantly be ready to test and possibly to assimilate the latest ideas and devices arranged for the better prosecution of his craft and the lightening of his labors. He must realize that his son (and daughter) may be handicapped without having an opportunity for a technical training; and he should assist in promoting his own and his son's material welfare and usefulness as citizens, also the progress and prosperity of our great agricultural industry."

In these few words Mr. Craig-McFeely has expressed just what the progressive, well-read, thinking farmer of to-day does realize. Unfortunately, however, too many farmers do not encourage their children to continue in agricultural enterprises but do their best to prepare them for white-shirt jobs in the already overcrowded urban centres. This apparent disloyalty to an honorable occupation is brought about to a large degree by the lack of foresight on the farmer's part. If he himself would make use of facilities for furthering his own knowledge he could readily understand the possibilities for the trained agriculturist in the unlimited number of opportunities constantly cropping up, Mr. Craig-McFeely continues:

"As the Ontario farms require men with training in crop and livestock production, farm management and marketing; and cheese factories, creameries, ice cream plants, and other lines of dairy manufacturers can utilize the service of trained men; ambitious young men and

women, especially those desirous of acquiring or improving their knowledge of fruit production, poultry production, apiculture, should apply for admission to the particular courses (January to April) in which they are interested. Those who are in a position to avail themselves of the opportunity and who are prepared to assimilate the information given to them, will find that the small liability (board, lodging) incurred will be more than reasonable."

Agricultural education does not end here though. Literature is always available to the farmer who asks for it. Literature illustrating and describing the best and least costly methods of doing things. Literature showing conclusively by experimental data the best varieties of crops to grow. By reading this literature with an unprejudiced mind worthwhile information can be gained from the monetary standpoint.

And where does this information come from? It comes from the centres of agricultural education, those schools and colleges which have spent so much time on experimental research and collecting of data to pass on to anyone, as Mr. Craig-McFeely puts it, who is prepared to assimilate the information given to them.

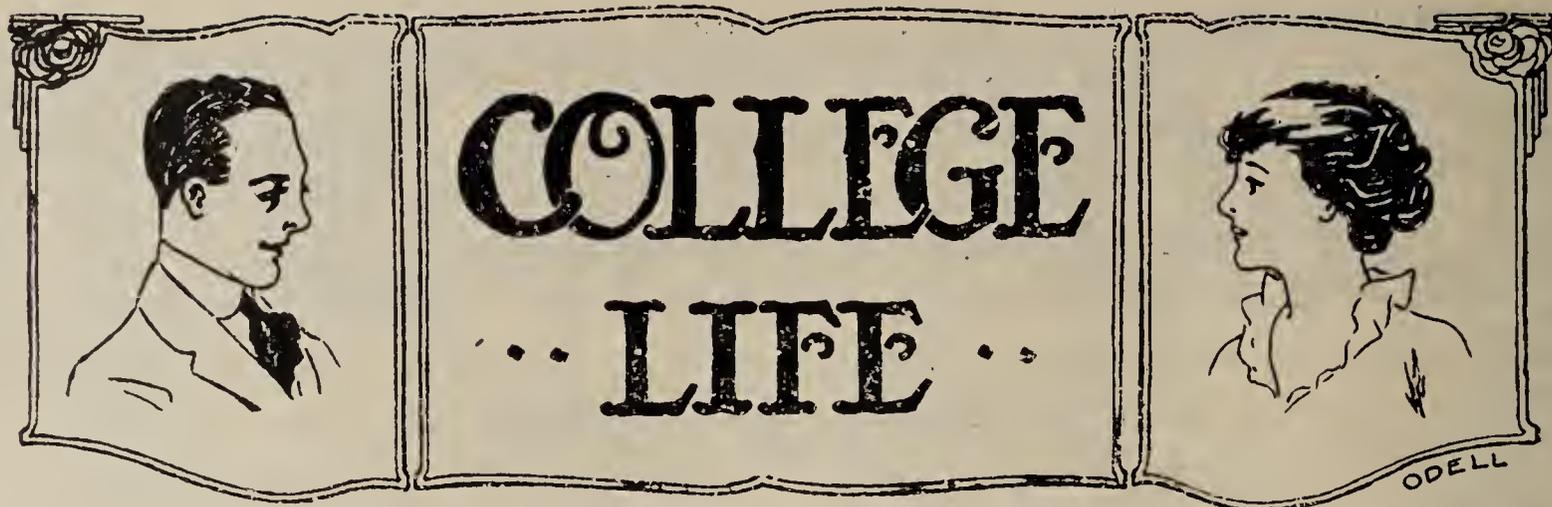
The time has surely come when successful agricultural enterprises cannot be carried out without a background of scientific and practical knowledge and this is only obtainable through the different means of agricultural education now available.

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## The College Royal

The sixth annual College Royal is now excellence never previously attained. history. This year it reached a point of The time and patience required in pre-

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## Just News

The wheels of social life still continue to revolve in the same old manner with dances, year parties, sports, philharmonics and "Lit" meetings all receiving their due support and, in the meantime, the term draws rapidly to an end.

Examinations are already looming up on the horizon and the fear and dread which is often associated with them, is beginning to show itself in the eyes of those of our students who have not yet become hardened to them.

The social schedule which was inaugurated at the beginning of the College year appears to be satisfactory, but the necessity of stopping all functions at the very early hour of 10.45 p.m. has put a blanket on several parties which were just reaching the peak of success at that time of the evening. The expense of running a party is just the same and an extra half hour or hour will often confirm the success of a party, while it is hard to believe that the complexions of our fair Co-eds will be ruined by this little extra indulgence and loss of "beauty sleep."

### Year Parties

The Freshmen had their innings on Tuesday evening, Jan. 28th., when they showed their originality by putting on a

hard time dance which was a little out of the ordinary. According to reports, by the Cafeteria, the place had been converted into a scene only equalled by the "Three Musketeers". Blind fold dances, elimination hops and other novelties all helped towards making a successful evening.

The year '32 Associates and Degree classes held their last banquet together on Friday evening, Feb. 7th, in the Cafeteria. Some 75 couples sat down to a well prepared dinner, laid amid valentine decorations worked in a colour scheme of red and white.

The Honorary President, Prof. W. R. Graham, acted as toast-master and Dr. Christie responded to the toast of "Our Alma Mater" proposed by C. A. Wood. Weir, Cole, Chappel, and McTaggart aided in the completion of the toast list and Miss Norah Deacon ably responded to the toast to the guests.

The third year held a delightfully informal party on Tuesday evening, Feb. 18th., when the men were all dressed in white shirts and blue pants, giving a very spring-like effect, quite suitable to the mild spell of weather which was then prevailing. Jean's Orchestra was in attendance and, with the aid of novel-

ty dances and excellent refreshments the evening proved very enjoyable.

### Mac Hall Win Debate from O.A.C.

The Union Literary Society staged something of a come-back on Friday night last and in spite of Vet. Dances and Baker's Banquets, the best crowd of the season turned out to hear a clever impromptu debate between Mac Hall and O. A. C.

Miss Norah Deacon drew the subject which turned out to be "Resolved that mixed tables should be instituted in the dining hall once a week." The affirmative was upheld by Misses Hilda Dorman, I. Lockerbie and H. Mather, while the Aggies were represented by E. Stoltz, J. McCalla and E. Mighton. The girls had an unmistakable edge in delivery which received the high score in the ballot.

A very passable musical program was presented and a feature of the evening was the presentation of the '05 scholarship to Synd. Howe, '30, by Dr. Christie. In making the presentation, Dr. Christie made a pleasing reference to the select company which "Sir Sidney" is joining in those who have received the award.

During the course of the evening the debating team of Year '32 were presented with the '19 debating medals.

### Hay Fever

One of the most enjoyable pieces of dramatic acting that has been put on by the Philharmonic Society for some time, was witnessed by a good sized crowd in Memorial Hall on Tuesday, February 4th.

"Hay Fever," written by Noel Coward, and performed by the Faculty Section of the Philharmonic Society, is a

story of a very tempermental family who spend their whole life cultivating their arts, and devote no time to the ordinary conventions and manners and things. The entire action takes place in the home of this family and the amusing situations which arise through the eccentricities of this peculiar family when a number of visitors arrive for the "Week end," provides a very amusing and enjoyable two hours of diversion.

The nature of the play entailed some very difficult pieces of acting and the whole cast is to be congratulated on their performance.

Everyone appeared to know their parts perfectly and the acting was so good that it is difficult to single out any particular member of the cast. Miss E. Pollock, as the mother of the family, played her part to perfection, while the remainder of the cast, consisting of Mrs. E. C. McLean, Mrs. M. Wright, Miss F. Goulding, Mr. and Mrs. R. D. Fowke, T. K. Karr, E. T. Young, and R. Thompson, all came up to par

### Conversazione, 1930

Promptly at 8.30, on the evening of January 31, the doors of the College dining hall swung open and admitted the guests to the 1930 Conversat, into a dance hall lavishly decorated in colorful futuristic design. The most impressive part of the scheme, and the one which brought out the intended effect to the best advantage was the orchestral setting. Across the wall behind orchestra was a huge spreading fan displaying in simple, but pleasing design, the colors of green yellow and orange, with its black ribs bringing out the vividness of the color and carrying to a higher degree the futuristic design. Scattered over the surface of this colorful background were

musical signs somewhat suggestive of syncopated music. Something new in the way of decorating the main chandeliers was seen; these were covered with large octagonal shades of the prevailing color and design, in the form of inverted pyramids. The decorations in the windows carried out the color scheme and futuristic design to a striking degree, to which a little variety was added in the medieval silhouettes that poised in dance postures in the centre of the arches.

The sitting out rooms, one in the balcony and one off the main dance floor, were artistically decorated and many couples, tired of dancing, fled thither for moments of rest on luxuriant chesterfields or cosy cushions placed amongst a pleasing display of ferns. A very striking side attraction was the punch stand which was in the form of a tiny waterfall trickling down over tiers of colored glass, out of a pleasing background of evergreens.

During the fifteenth dance the balloons and novelties came down and helped to heighten the spirits of the dancers, while moon dances which were scattered throughout the program added a romantic touch to the merriment.

A new feature was the manner in which the supper was served. It took the form of a buffet luncheon in Macdonald Hall instead of being served in the College Cafeteria as had been the custom in previous years. A covered canopy was built from the Dining Hall to Macdonald Hall to protect the guests from the elements, but the weather of the evening was so delightful that there was little need for it.

Many guests were present as well as the representatives from other Colleges. These were received at the end of the Hall by Dr. G. I. Christie, Miss Margar-

et Christie, Mrs. Fuller, Miss Cruickshank, Mr. and Mrs. W. B. Roadhouse, Prof. and Mrs. J. C. Steckley and Mr. D. H. Robertson.

The program of excellent music was furnished by Gilbert Watson and his orchestra, and the arrangements were made by Year '31, the members of which are to be congratulated on the success of the dance.

The executive committee consisted of: D. H. Robertson, (convenor); Miss E. Cobban, (Mac Hall representative); J. K. Galbraith, R. H. Graham, G. M. Engle, D. Mackenzie, R. W. Morrison, E. C. King, E. A. Innes, H. J. Watt, E. W. Kendall Jr., W. G. Loveless, N. C. T. Lindsay, P. K. C. Karr.

#### AGRONOMY CLUB MEET

Mr. Peter Stewart, Class '14, of the Canadian Malting Company, addressed the Agronomy Club on Wednesday evening, February 26th, in Mills Hall Common Room.

Mr. Stewart pointed out that within the last few years there has been a greater degree of understanding and more co-operation between agriculture and urban industry, and this co-operation is likely to increase as time goes on. Many of the industries closely related to agriculture are seeking men with training in scientific agriculture to fill important positions, and he instanced the malting company as a case in point. He suggested that those students who were present might look to commerce for openings after graduation.

The speaker outlined, in detail, the methods employed in the production of malt, and illustrated his lecture with lantern slides.

He stated that a good malting barley should:—

1. Be of the Manchurian type, O.A.C. 21 was at present the only standard malting barley in Canada.
2. It should be well ripened.
3. It must be free from weeds and other grains.

4. It should be uniform and plump, sound and bright and free from damaged hulls.

Prof. Squirrell proposed the vote of thanks to Mr. Stewart.

## News and Views

### Letters to the Editor

Sir:—

In your last issue a correspondent signing himself "A Student" asks "what standing has a graduate?"

He says that he hopes his letter will serve to draw comments from the many people concerned.

"A Student's" letter draws attention to a situation which wants looking into for the benefit of every student and every graduate.

Here's the first comment:

A graduate I know very well found great difficulty in getting a job. He finally had to take work at labourer's pay on the Department of Horticulture of one of the Universities.

One of the first jobs given him was to shift plants from the greenhouse to their Convocation Hall to decorate it for their Convocation, and to shift the plants back again afterwards. That was all he was asked to see and hear of the University's Convocation. "A student" asks "what standing has a graduate?"

Later on in the season the same graduate was put to spudding up the crop of dandelions on the University campus.

When fall came on he was laid off to servive a Western winter or not as the case might be.

This graduate is one of the few who never had a "sup" in all his four year's work for the degree, and also one of

the many who have the best of testimonials—and we may well ask "what is his standing?"

There is no need for more detail. If University authorities are willing that graduates should be used to spud up dandelions at so much an hour the present standing is obvious.

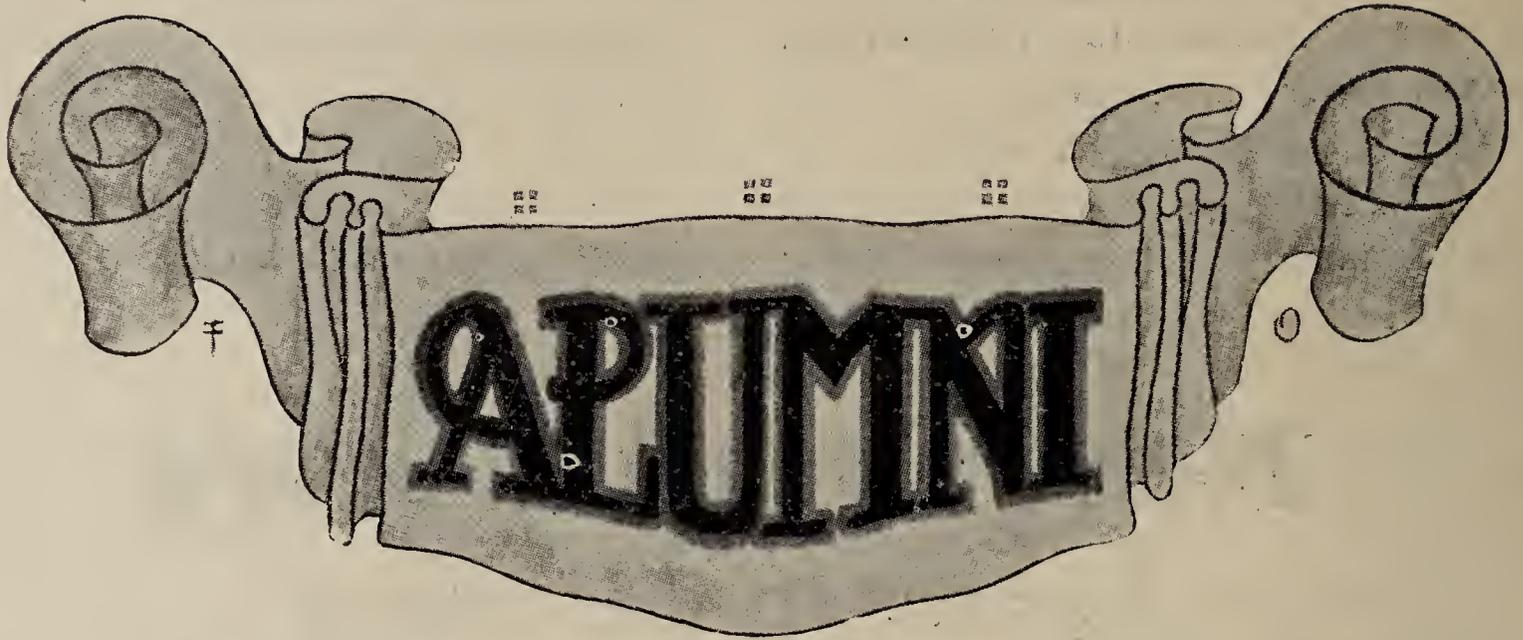
There's the situation—four years—the best four working years of his life—spent in concentrated study: four years of tuition from some of the most able men on the Continent: four years of heavy expence that took all his savings: to win standing—with the weeders of lawns and the winter unemployed.

All other graduates have protected themselves by forming an Association to Ensure that their professional qualifications are properly recognized.

Surely an Association of B.S.A.'s is an obvious need. It could do no possible harm. It would do untold good. It would deal with this matter of professional qualification and standing. By protecting our degree, it would save many a graduate from wishing that he could have the years and the money back that he thought he was spending in qualifying himself for professional standing and a professional career.

Yours for an Association of Graduates,

B.S.A.



### CHANGES IN GRADUATE LIST FEBRUARY 17th, 1930

**R. E. Balch, '23**, has been appointed as Forest Entomologist for New Brunswick with headquarters at the Provincial Forestry Department, Fredericton, New Brunswick.

**S. S. Breckon, '23**, is Principal of the High School at Brighton, Ont.

**Frances Howard, '27**, is teaching the High School at Waterdown, Ont.

**Alex. MacLaren, '09**, is Superintendent of the Hostel under the Immigration Committee of the United Church of Canada at Norval, Ont. His home is still at Georgetown, Ont.

**J. A. MacMillan, '24**, is with the J. A. Willoughby Co., Realtors, Kent Building, Toronto.

**J. W. Marritt, '25**, is District Inspector with the Dominion Division of Botany, University of Alberta, Edmonton, Alta.

**C. E. Misener, '28**, is with the London Life Insurance Co. in Ottawa. His address is Room 112, Jackson Building, Ottawa.

**G. R. Patterson, '24**, is Provincial Agriculturist for the American Cyanamid Co. His home is in Brampton, Ont.

**A. C. Richmond, '23**, is with the Canadian Pacific Railway, London,

Ont. His home is at 472 Queen's Ave., London.

**J. C. Shearer, '29**, is Agricultural Representative for Peel County at Brampton, Ont.

**I. F. Strothers, '23**, is Loan Officer for the C. S. Gunn Co., Ltd., Saskatoon, Sask.

### MARRIAGES

We are advised of the marriage of Miss Ann Marie Shustrick and Mr. Leonard C. Carr, which took place on Friday, November 1st, 1929, at four o'clock, in Trinity Episcopal Church, Detroit, Mich. Leonard is a '23 man. His home address is 1195 Webb Ave., Detroit, and after four months of married life still goes out with his wife.

### YEAR '26 CLASS LIST

**MacArthur**—With Silverwoods in Sarnia. No recent news.

**Mackinney, G.**—Tela, Honduras, Central America. Soil Chemist with the United Fruit Co. Married.

**McLeod, Haddon** — When last heard from was on potato inspection in B. C.

**le Maistre**—385 Secord Ave., Ottawa. With Apiculture Division, C. E. F.

**Macdonald, Dr. H. M.**—4110 Western Ave., Montreal. Hugh is on

meat inspection work.

**McConkey, Oswald**—Christ's College, Cambridge, England. We hope that Mac. will soon be back with us with a Ph.D.

**Medd, Bruce**—Exeter, Ont. Managing his father's creamery.

**Miller, H. E.**—7 Franklin Apt., Ann St., Windsor.

**Miller, W. C.**—23 Enderby Rd., Toronto. Bill is with York Dairies.

**McEwan, J. W. G.**—University of Saskatchewan, Saskatoon. We hope to see "Shorty" around Guelph in the near future, and with a serious purpose in mind.

**McGugan, Archie**—Archie is now with the Willys-Overland Co. His job is to "Whippet." Address: 268 Daly St., Ottawa.

**Morrison, John**—Tillsonburg. With Canadian Milk Products. John was married on the 4th of August.

**Morton, Mark J.**—With the Walkerside Dairy Co., London, Ont. Married.

**Morwick, F. F.**—Senior Soil Surveyor with Chemistry Department, O. A. C. Frank was married in Portland, Oregon, in September.

**Pugh, R. M.**—Department of Agriculture, Regina—Provincial Apiarist. Roy was around at Christmas.

**Reid, Gordon**—With the London Life in Kitchener. Roy was married last summer.

**Reynolds, W. B.**—Port Hope, Ont. your year president assures us that rumours to the effect that he is married are groundless—but he makes no promise for the future.

**Reynolds, Jim**—Farming at Port Hope. Was married last August.

**Richardson, F. J.**—O. A. C. Is taking post graduate work in Toronto on weak knees of chickens.

**Rintoul, Archie**—Hartford, Conn.

Was in Toronto around Christmas time. He is with the Quaker Oats.

**Roxburgh, J. M.**—Simcoe, Ont. Married. Turkey and chicken Farming.

**Runions, A. D.**—Department of Agriculture, Napanee.

**Schenck, L. M.**—St. Catharines. Engaged in vegetable production. Married, and has one child.

**Simpson, J. A.**—Department of Agriculture, Morrisburg, Ont. Another of the year to be numbered amongst the married, last summer.

**Stewart, F. K. B.**—23 Enderby Road, Toronto. Selling feed for Reesor Feeds, Markham.

**Thompson, George**—Bctany Department, University of Toronto. Reported to have been seen in New York about New Year's time.

**Walley, G. Stewart**—No news.

**Webb, E. G.**—O.A.C. Farm Mechanic Department. Ed. can always be seen around the Department. Has a baby boy.

**Whitmore, J. E. D.**—With Canadian Seed Growers Association, Jackson Building, Ottawa.

**Wilkes, Ed.**—With T. Eaton Co., Toronto.

**Wharry, J. G.**—335 Walmer Rd., Toronto. Is with Toronto Elevators. He still believes there is nothing to beat Canadian cheese. Has one daughter.

**Young, Rev. W. A.**—The "Manse" Manotick, Ont.

**Lane, C. H.**—R.R. No. 1, St. Ann's, Ont.

**Snyder, Russell**—Chem. Dept., O. A. C. Rusty makes the vegetables grow by talking to them.

**Berry, Anslie**—Is now with the T. A. Russell Farm.

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# O. V. C. PAGE

BILL SWALES, O. V. C. '30 EDITOR

## EDITORIAL

We are indeed pleased to stage a "come-back" into the pages of the Review and hope that in the future there will be no lack of material for our column. We wish to thank Dr. Glover for his article in this issue on pullorum disease in chicks. At the present time this disease is of vital interest to those interested in veterinary medicine and agriculture, and we hope Dr. Glover's good example will be followed by others.

A popular subject at the moment is the proposed increased salaries in Civil Service. We understand from a reliable source that this proposal is now to go before parliament, and next month we may have some happy news concerning this.

## CHANGES IN THE GRADUATE LIST

*H. S. Webb*, '28—"Ducky" is in small animal practice with Dr. Brundage at 7417, Stoney Island Ave., Chicago, and is reported to be doing well and is still an eligible bachelor.

*Clyde Dohner*, '28—is also in small animal work in Chicago. Clyde is now in practice for himself.

*W. L. Grubb*, '28—is in practice with small animals in Duluth, Min.

*J. C. Carey*, '28—is now in the Civil Service, and is doing Field work in Quebec. Jimmy has mastered many French words, including vin rouge and several others.

*J. T. Akins*, '28—is also on Field Work in Quebec. Joe recently paid the old place a visit and speaks highly of the Civil Service.

## Preventing Losses in Chicks From Pullorum Disease

**J. S. Glover, V. S., B. V. Sc., Ontario Veterinary College.**

Much has been written, numerous addresses given and many demonstrations held in connection with the scourge of chicks, pullorum disease (or, as it was formerly termed, bacillary diarrhea), and yet in spite of warnings the disease is still rampant.

During the Spring and Summer of last year more chicks than in the previous years were sent in to the Ontario Veterinary College for examination, and

in the majority of cases the presence of the causative organism of pullorum disease was found.

The usual letter accompanying chicks of this kind is to the effect that several chicks are dying off although the feed (provided they are old enough to receive feed) is prepared according to recognized standards, the hens that laid the eggs were apparently vigorous and kept on a diet suitable for birds whose

sole duty in life is to produce nothing but 'fresh extras', and the temperature of the incubator and of the brooder maintained to the proper degree. One would think that nothing that should be attended to was left undone. When one has the opportunity to meet the people who are troubled with chick losses the chief questions one asks are, "Were the hens blood-tested?" and "Were the incubators disinfected?" Negative replies are received in almost all instances. Yet the whole situation of preventing pullorum disease in chicks depends on these two factors—subjecting the blood of the adults to the agglutination test and culling out the reactors, and efficiently disinfecting the incubators.

*Salmonella pullorum* was isolated from chicks as early as 1900 by Rettger and was established by him to be the causative organism of the disease. Since that time extensive studies of pullorum disease have been made by Rettger and other scientists with the result that there exists today a very comprehensive knowledge of the disease. In 1909 Rettger and Stoneburn isolated *S. pullorum* from the ovaries of hens and from the yolk sacs of chicks within the shell, and later Rettger reported having found the organism in the ovaries of a pullet that was one of a lot of chicks that had lived through an outbreak of the disease. The laying hen was therefore identified as the ultimate source of pullorum disease.

The next step that naturally suggested itself was to discover a reasonably reliable method whereby hens with infected ovaries could be detected. It must be borne in mind that a hen whose ovaries are infected with *S. pullorum* will lay some infected eggs and that some of these eggs will hatch. Even if only a very few infected chicks are hatched out they will rapidly spread the disease

to others in the incubator or brooder by means of their droppings. It is therefore readily seen that it is of the utmost importance to use eggs only from hens that have been tested and are free from the disease.

The test that is at the present most reliable is the agglutination test. By subjecting the blood of their flocks to the test each year many poultrymen have been able to eliminate the disease. In the hands of reliable workers, of which there are several in Ontario, the agglutination test is reasonably accurate, and no one should be satisfied to use eggs for hatching until the flock has been tested and culled. Some poultrymen, unfortunately, still remain on the other side of the fence, and depend entirely on health and vigour in the hens. Undoubtedly, eggs from vigorous stock are to be preferred to the product of inferior birds, but unless it is known that the ovaries are not infected trouble will sooner or later result.

The next link in the chain of prevention is the disinfection of the incubator. Unless this is efficiently done at the beginning and all through the hatching season there is the possibility of danger. If by chance infected chicks are hatched out some of the germs of the disease will be left in the incubator. As the season advances, if more infected chicks are hatched and the incubator is not being regularly disinfected, the amount of infectious material (down, etc.) collecting in the incubator assumes enormous proportions, and even if chicks are healthy when hatched they quickly become infected. It is therefore imperative to disinfect the incubator regularly during the hatching season if one wants to insure against chick losses. The best method of doing this will not be discussed

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## Aspects of Practice

**Scene I** (5 years in the future). A rural part of Ontario, a horse and cutter tethered to a post outside an office. A sign is seen over the door, upon which there is a name, with which we are familiar, followed by V. S., B. V. Sc.

A man with reddish hair and a healthy weather beaten face is sitting on a swivel chair beside a small desk and a cabinet containing shiny instruments and huge books.

"Gee, Elsie, this has been a hard day, been going pretty steadily since 5.30 this morn when Ci Brown's horse took a colic; don't know which of the thirteen colics it was, but the old time standard seems to fix 'em all up. We'll it's turning cold again. Guess I'll put old Ned in."

Elsie, a good looking brunette, evidently the Vet's wife, continues to sit in the office, and presently, as the phone rings, takes down the receiver and jots down necessary information. She then goes thru the house to the back entrance and calls to the tired vet. in the stable.

"Oh, Fred! Alex. Scott just phoned and wants you to go out to his dairy barn on the Fourth Concession, case of a cow in trouble."

Fred calls back a few words (censored), and proceeds to aforementioned Concession, after again harnessing the faithful Ned, and calling at the house for his sleeveless waterproof shirt. He also calls to Elsie to have his supper ready at 8 p.m. This is his third trip to the same district to-day.

(We understand poor Ci would have to pay at least \$2 for this call, owing to the fact that his troublesome cow waited until so late in the day to show really serious symptoms).

**Scene II.** Also in 1935, but this time we see the office in the downtown sec-

tion of a large city. The sign outside reads, "Dog and Cat Hospital," and is surmounted by a large blue cross. Underneath is another familiar name with the same degrees, and words to the effect that he is the proprietor of said hospital. The office is in darkness, the hour being 1 a.m., but the residence section, (just four rooms, because the ones downstairs are now wards for sick dogs) is well lighted and a tall man with glasses is tuning in a station on the radio. Luckily there is a station that operates at this time of night and so giving the vet. a chance to hear it.

His poor wife has already gone to bed, and the poor practitioner is trying to collect enough energy to do likewise.

Suddenly the office doorbell rings and our friend slowly goes down and opens the door to a lady with a Boston Terrier, which is well covered with blankets and sweater coats, and grasped tightly in her arms. Then follows a tale of poor Judy's troubles, and an operation is quickly decided upon. The doctor then goes to the back ward and awakens his third year student who sleepily emerges into the surgery and commences to sterilize instruments and prepare the patient. The proprietor goes to the foot of the stairs and calls loudly, "Oh Marie! come down and give an anæsthetic, will you, please?"

Another sleepy voice calls down, "O. K., Roy, I'll be right down." And in a lowered voice mutters something about sleep being unknown around this place.

**Motto.** Notwithstanding that the above incidents do not happen more than five times weekly, boys who like to sleep are urged to enter some other lines of work.

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# S. O. T. I. PAGE

Doug. Broadhead, Editor

## DO'NUTS FROM S.O.T.I.

We are getting more used to life here now and quite a number of us wish our stay at the College was going to be longer.

### Debate

A very successful debate was held on Wednesday, January 29th, when wrapped bread was the subject of discussion. The negative side upheld by Vincent Phillips and Sid Sylvester gained the verdict, although very meritorious speeches were made in favour of wrapped bread by Gordon Asseltine and Ralph Bryson. Afterwards Professor Maedel gave us a very interesting summing up of the subject.

### Visitors

On Thursday, February 13th, we received our first visit from Mr. Trent, who was accompanied by Mr. Dixon, President of the Bread and Cake Bakers' Association of Canada. Mr. Trent gave a very interesting address on the Golden Rule. Mr. Dixon also said a few words to the club. We hope to see a lot more of them during the course. Andy Fraser gave a paper on the care of machinery in the Bakeshop and Merrill Wiltshire gave a paper on Country Baking. One could not possibly pass over this meeting without mentioning the humorous discourse given by "Shorty" Hamblen. Shorty has certainly got a wonderful imagination.

## Mr. Bohn

On Tuesday, February 18th, we had the pleasure of welcoming Mr. L. J. Bohn, our Cereal Chemist. Mr. Bohn is a Guelph boy and a graduate of School of Practical Science, University of Toronto, having obtained his M. A. Sc. degree. Recently he has been working in Winnipeg with The Dominion Grain Research Laboratory, Board of Grain Commissioners.

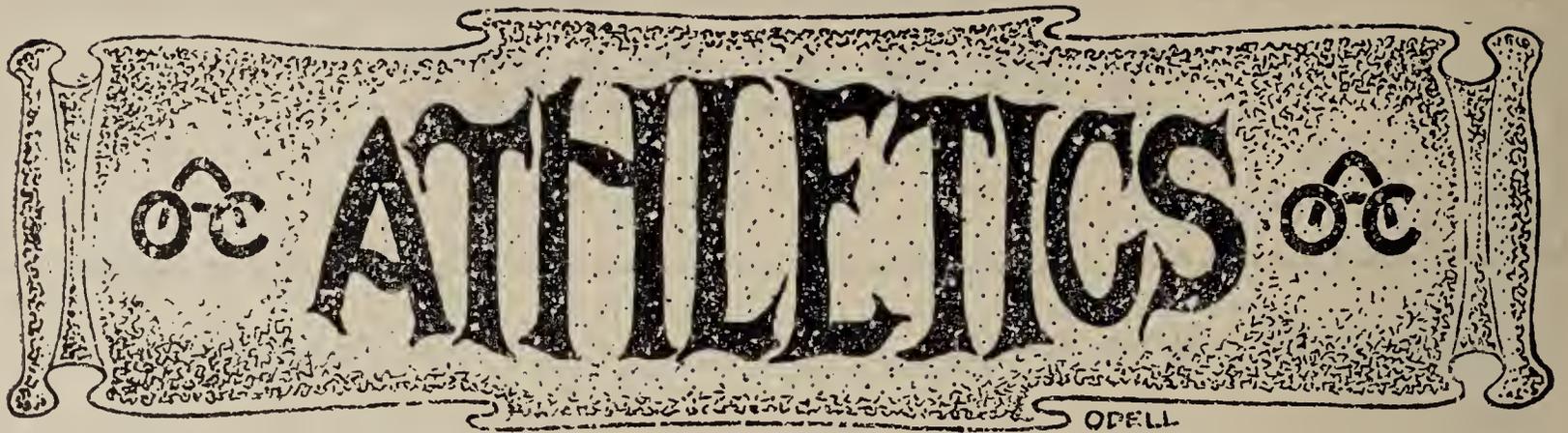
### Convention

Dr. Christie very kindly gave four of our members leave of absence for two days to attend the convention of the Canadian Society of Bakery Engineers held at the Royal York Hotel, Toronto. A very interesting and instructive time was spent there. We met several old students who are doing well and making a name for themselves in the industry.

### Yell

At a meeting some three weeks ago we selected a yell from a number that were submitted by members of the class. We are printing it here so that you may recognize it when you hear it.

Ricka Chicha  
 Ricka Chicha  
 Ricka Chicha Boom  
 Stand back! Stand back!  
 Give the bakers room  
 SOTI, SOTI  
 Rah, Rah, Rah.



# ATHLETICS

## IN GENERAL

January and February have always been great months for sports around the College and this year is no exception. Although the weather seems to have now broken up rather early, there has been two months of real hockey and skating. In addition, the heavy fall of snow this year, made the Mac Hall hill particularly inviting to the skiing and tobogganing fans. In the Gymnasium, the boxers and wrestlers, basketball and indoor baseball teams have been far from idle and those who like warmer atmosphere for enjoying their exercise have had plenty of opportunity to do so.

## HOCKEY

With the College team now eliminated from the O.H.A. series, they are concentrating their efforts in the Inter-collegiate. Their work in the O.H.A. deserves a great deal of commendation. The team finished in a tie for second place with Hespeler. All the teams in the group were closely matched and every game was a real struggle. After putting Hespeler into the discard the Aggies went on to meet Elora in the final play-offs. Elora have a remarkably strong team, fast forwards and a solid defence, they have been playing together for a number of years and work well together. The result of the play-off was a win for Elora and although somewhat disappointing to the Aggie fans, there was no doubt that the Aggies had done their utmost and were beaten out by a better team. Scollie,

Walker and Stoneman made up the regular forward line and played a great deal of real good hockey. Henry and Barrick on the defence proved a stumbling block to many well-meaning rushes and at the same time provided many thrills with their own rushing. Deason did most of the work in goal and proved himself a cool and steady minder of the nets.

The team is now just getting away in the Inter-collegiate and has handed McMaster a 5-0 defeat on the Guelph Arena. Everyone is looking forward to the games with Western.

## BASKETBALL

The College basketball team is not leading the group. Of course, it would be too much to expect every team representing the College to be out in front all the time, but we are looking for a change any moment now. In the three games played so far O.A.C. has bowed to Varsity and McMaster, but were able to step in and beat Western. After all Western is the team that the College always seems to like to get ahead of and there is always plenty of joy when a win in this direction is recorded. Hewer, D. and H. Hull, Haeberlin and Griffiths have been doing the regular playing for the Aggies and in these men we have a team that can be depended on to give all they have for the College, whether they win or lose.

## BASEBALL

The indoor baseball team seems to have the goods this year and plenty of it. In the first round of the Inter-fac-

ulty they romped away with Pharmacy, their only opposition. The scores of the games were 11-2 and 17-7, which is a good indication of the decisive way in which this team does its work. Jimmy Hume, in the role of pitcher, has retained all his old speed and is striking them out regularly.

**BOXING AND WRESTLING**

The Aggie mitt and mat men arrived home from the annual Assault-at-Arms with the big half of the winnings. In competition against Meds, S.P.S., Trinity, Dents and U.C., the Aggies led the field with thirty-one points; Meds were

the next in line with twenty-three points. The College wrestlers were the most successful. Lorne LaPointe, Mike Chepesiuk and Pete Chepesiuk all went into the final bouts and won out. Alan Dempsey was defeated only when he reached the finals. Other Aggie wrestlers were Jimmy Wilson, Mighton, Buckingham and Alex. Watt, who although not winning their bouts made very creditable showings. Reynolds, Godfrey, Swales and Hearn reached the finals in the boxing competition, but were unable to grab the highest prize. Boland and Scott also fought for the College.

# O. A. C. Athletic Association

**FINANCIAL STATEMENT**  
September to December, 1929

**GENERAL STATEMENT**

**Receipts**

Balance in Bank, April 30 1929 .....	\$ 218.21
Cash on hand .....	.63
Interest, June 30, 1929 .....	4.63
Basketball .....	1.54
Boxing, Fencing & Wrestling .....	46.95
Donations .....	80.00
Store Room (Sale of Equipment) .....	145.55
Affiliation and Students' Fees .....	1,996.00
Track .....	47.75
Rugby .....	904.25
Hockey .....	200.00
Deposits on Uniforms .....	369.00
Soccer .....	6.30

**Expenditures** \$4,020.84

Boxing, Fencing & Wrestling .....	\$ 57.32
Donations .....	55.00
Affiliations and Students' Fees .....	78.25
Track .....	165.00
Rugby .....	1,079.50
Hockey .....	237.75

Deposits on Uniforms .....	305.00
General Accts. ....	1,294.42
Soccer .....	55.00
Balance in Bank, January 10, 1930 .....	623.63
Cash on hand .....	69.97

Certified Correct. \$4,020.84  
Jas. B. Sheldon, Treasurer.  
O.A.C. Athletic Association.

**ITEMIZED STATEMENT**

**Basketball**

**Credit**

Expense Acct. Returns .....	\$ 1.54
Total .....	\$ 1.54

**Boxing, Fencing and Wrestling**

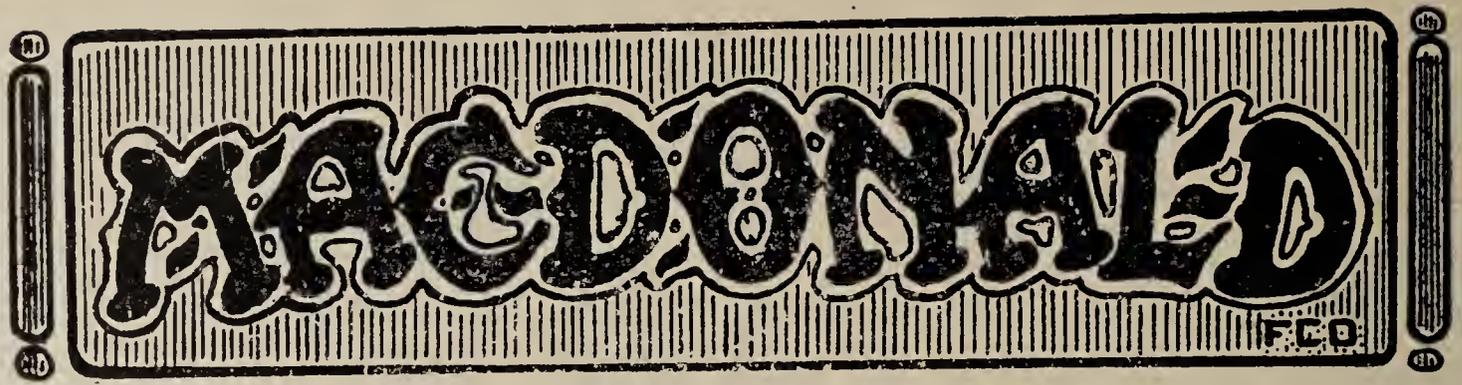
**Credit**

Gate Receipts .....	\$ 43.00
Expense Acct. Returns .....	3.95

**Debit**

Expense Acct. ....	\$ 57.32
	\$ 57.32

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## Have Fashions Changed?



Mac Students as They Were in 1918.

In reference to the above picture which was taken on the steps of Macdonald Hall sometime during the year nineteen hundred and eighteen. The customary thing to do, we suppose, would be to gaze earnestly at the fresh young faces, the knitting, and the long skirts; shake our heads and repeat that time-worn phrase: "How times have changed!"

Undoubtedly, we would have followed this procedure to the letter had we not paused first in order to do a little neat but not gaudy thinking, and the outcome of this period of meditation was, or is:

"Have times changed so much after all?"

It is true that if we were to barge into Mac Hall and bring forth maidens attired in the costume of the gymnasium, plant them on the outside of the front door, produce the camera and yodel "Look Pleasant"—then the result might be slightly different. But, on the other hand, if we were to drag out the same maidens attired in their newly acquired afternoon or evening frocks, with a drape here and a flare there, and the whole works more or less trailing in direct proximity to the ground—well,

there you are—what would be the difference?

In 1918 they were long—then in a couple of years they were short—then they dragged then they rose—and now, instead of giving one's year of graduation, one simply says—"Oh, I was at Mac Hall the second year skirts were short"—or, "Oh, indeed! I was there the third year they were long!" And so

on, and on and on. Variety is the spice of life, and anyhow, who wouldn't be a slave to fashion?

\* A close observer will see that the young lady on the left is clasping in her hand knitting needles and a small quantity of wool. This was a quaint old indoor sport of the younger generation during the Middle Ages. It has become extinct.

### DEATHS

An old Mac Hall girl passed away on Friday, February 13th, at McFarlane's Hospital, Arthur, in the person of Jen-

nie Ethlyn McIntyre. Miss McIntyre lived in Grand Valley.

To her sorrowing family we extend our deepest sympathy.

## Social News

### HOMEMAKER DINNER

The Homemaker Dinner was held in the College Cafeteria on Friday evening, February 14th, at 6.15 p.m.

The Valentine decorations were most effective and the dinner itself left nothing to be desired.

The duties of toastmaster were very ably fulfilled by Mr. E. C. McLean. The toast to the Alma Mater was proposed by Miss Edith Milne and responded to by Dr. Christie. Miss Cruikshank proposed the toast to the Homemaker Class

of '30 and Miss Frances Moodie responded to it after which the toast to the guests proposed by Miss Doris Rogers, was responded to by Mr. Don McKenzie.

Dancing followed with Jean's orchestra supplying the music. The novelty dances were very much enjoyed, the prizes for the birthday dance being awarded to Miss Helen Blaylock and Mr. Goldie Buckingham and that for the spot dance to Miss Hazel Whetstone and Mr. Don Armstrong.

### SENIOR DINNER

The Senior Dinner was held in Wyndham Inn, Friday, February 28th, at 6 p.m.

"Wyndie" for the occasion had been converted into a veritable old English Inn otherwise known as "Ye Antique Tavern."

After paying due respect to a dinner

defined in "Old English" the usual round of toasts was gone through.

Dr. Christie filled the position of toastmaster very ably. After the toast to the King, Miss Elsie McCall proposed the toast to the Alma Mater and Miss Cruikshank responded. The other toasts followed in due course. "To the Seniors"

—Miss Frances Hucks. This was responded to by Miss Helen Bates. Miss Betty Nickle very ably proposed the toast to "Our Guests" and Mr. Syd. Howe replied.

Following this part of the evening's performance dancing was indulged in to the strains of Jean's Orchestra disguised as Old English Fiddlers.

At eleven o'clock the party broke up after a most enjoyable evening.

### A SONG OF AN ANCIENT INN

(Editor's Note—*This poem, although coming from the O. A. C. is inserted here since the inspiration was received at the Senior banquet.*)

Hasten! gentles, gather round!

For I the praise of wassail sound,  
With muses kind, I'll chant a lay  
For chivalry of yesterday.

For in Proud Castle Wyndham's Hall  
Gathered our Fairest for their Ball;  
Full many knights assemble there,  
Each by the grace of Lady Fair.

Good Baron Christie, noble lord,  
As chief, presideth o'er the board,  
And by his side, Lord Richard Graham,  
Sir Sydney Howe, and more of fame.

Gallants here from far and near,  
And all is mirth and joy and cheer;  
For ne'er did goodlier company,  
The fretted walls of Wyndham see.

When to each health their bowls they fill,  
The very turrets seem to thrill;  
And round and round the cup they pass,  
In health to King and School and  
Class.

Then when the tables are withdrawn,  
The oaken floor shines forth anon,  
And led by minstrel's harp and horn  
They gaily dance, nigh unto morn.  
But now doth come the parting hour—

Back ladies to your cloister bower!  
And knights as well:—Back to your  
trust!

An'tis the end! For end we must.

But know ye, gentles, one and all,  
I sound the praise of perfect ball:  
And if its secrets ye would free,  
Macdonald '30 holds the key.

————— A. W. T.

On Saturday, February the first, the Annual "Tea Dance" which follows Conversat was put on by the I. O. D. E. in the Common room of Mac Hall with refreshments served at the College Cafeteria.

Conversat may be the cause for so many ex-students returning but it is at the Tea Dance that all cronies get together and talk over old times.

The Tea Dance this year, as of yore, was the scene of many such "re-unions" and was in truth a great success.

—————  
The Girls' Athletic Club held a most enjoyable dance on Tuesday, February 11th, with Jean's Orchestra in attendance. As such affairs always do, the party broke up at 10.45 and quietness reigned within our stately Halls by eleven.

—————  
Exams loom up in the near future. At last quietness reigns supreme as studying is most diligently carried on within the four walls of one's own room. No longer are people allowed to parade around the Halls of 3rd floor with heels on during the hours of 7.30 and 9.30. Instead light steps must be taken and bed-room slippers are the order of the day, as also are those dread alarm clocks which some very studious souls set off to the great discomfort of those consumed with sleep—and these above mentioned clocks go off at the most

ungodly hours in the morning, too. But it will only be for another couple of weeks followed by one of solid comfort.

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## ATHLETICS

### BADMINTON TOURNAMENT

As for sport Mac Hall has had a very active winter.

The hockey team on Feb. 1, journeyed to Toronto and played Margaret Eaton. The following Saturday Margaret Eaton came to Guelph to play our girls. However Mac Hall lost both these games.

The week after, still cheered by hope of victory the hockey team again went to Toronto, this time to play McMaster. The result of this game was a victory of 1-0 for our team.

As a result of the early change in the weather which meant the disappearance of all snow and a taste of Spring for a few short days training table for the hockey team was discontinued and the hockey team disbanded for another year.

### BASKETBALL

The Basketball season is not yet over, and every other week or so some new team comes up to see what they can do to our girls. Games were played with Guelph Collegiate, Central Collegiate, Hamilton, Margaret Eaton, Hamilton Normal and Hamilton Tech. Of these five games our girls won 3.

We feel, that our girls did very well under the able coaching of Miss McQueen and we must congratulate them.

---

### BADMINTON

For the last few weeks a badminton tournament has been carried on. Of those who entered, Peggy Laidlaw and Ethel James were left to fight it out. On Saturday evening, March 8th, the battle was waged in the gym.

The final score resulted in a victory for Peggy Laidlaw.

Activities in the sport line are now over for the winter terms and everyone is now settling down to exams.

---

## N. F. C. U. S.

(Continued from Page 395)

Final arrangements are also being made at present for the visit of a team of two Britishers in the Fall of 1930, and it is expected that the National Union of Students of England and Wales and the Students' Representative Councils of Scotland will each nominate a member.

---

### CANADA MAY BE REPRESENTED AT INTERNATIONAL GAMES

As a direct result of the Second Imperial Conference of students which was held at the University of Montreal last September, it seems possible that Can-

adian Universities will be represented at the International Games which are to be held at Darnstadt, Germany, in 1930.

Mr. R. P. Forster, Secretary of the Dominion Students' Athletic Association, who attended the Imperial Conference, reports that plans are rapidly progressing. Mr. George Curtis, former Saskatchewan Rhodes Scholar, now resident at Lincoln College, Oxford, and who is the permanent representative of the N.F.C.U.S. in Great Britain, is co-operating with Mr. Forester in securing a number of athletes to represent Canadian Universities.



“Why can’t you sleep?”

“Well, you see, every time I fall asleep, the jar wakes me.”

—*College Humor.*

“Your wife seems to be subject to fits of verbosity.”

“Good Heavens, doctor! I never thought she had anything the matter with her except that she talked too much.”

Nothing can come between a married couple if they sit in a rumble seat.

“Bring me another boiled egg, please.”

“Anything else?”

“Yes, you might bring me a coop. The last one flew away.”

—*College Humor.*

Mrs. John Purdy wants a separation from the “laziest man on earth.” She said: “He is so lazy that once he was too tired to take off his old trousers when I bought him a new pair. He just put the new ones on over the old, and walked about like that.”

Golfer (who has just gone round in 112) “Well, how do you like my game?”

Caddie: “I suppose it’s all right, but I still prefer golf.”

“But you guaranteed that this watch would last me a lifetime.”

“I know—but you didn’t look very healthy the day you bought it.”

“Speaking of old families,” said the aristocrat of the party, “one of my ancestors was present at the signing of the Magna Charta.”

“And one of mine,” said Isadore Cohen, “was present at the signing of the Ten Commandments.”

“Why would you standing on a dime be like Woolworth’s?”

“I’m cornered!”

“Well stupid—it would be Nothing Over Ten Cents.”

*X marks spot where body was found.*

—*Life.*

“They say brunettes have sweeter dispositions than blondes.”

“Well, my wife’s been both, and I can’t see any difference.”

Famous traitors—the California doctor who advised a change of climate.

—*Life.*

### Another Jolly Row

Last week’s jumble sale brought trouble to our parish.

The vicar asked the congregation to bring anything they did not want, but which they did not like to throw away.

Three men brought their wives.

### Needless

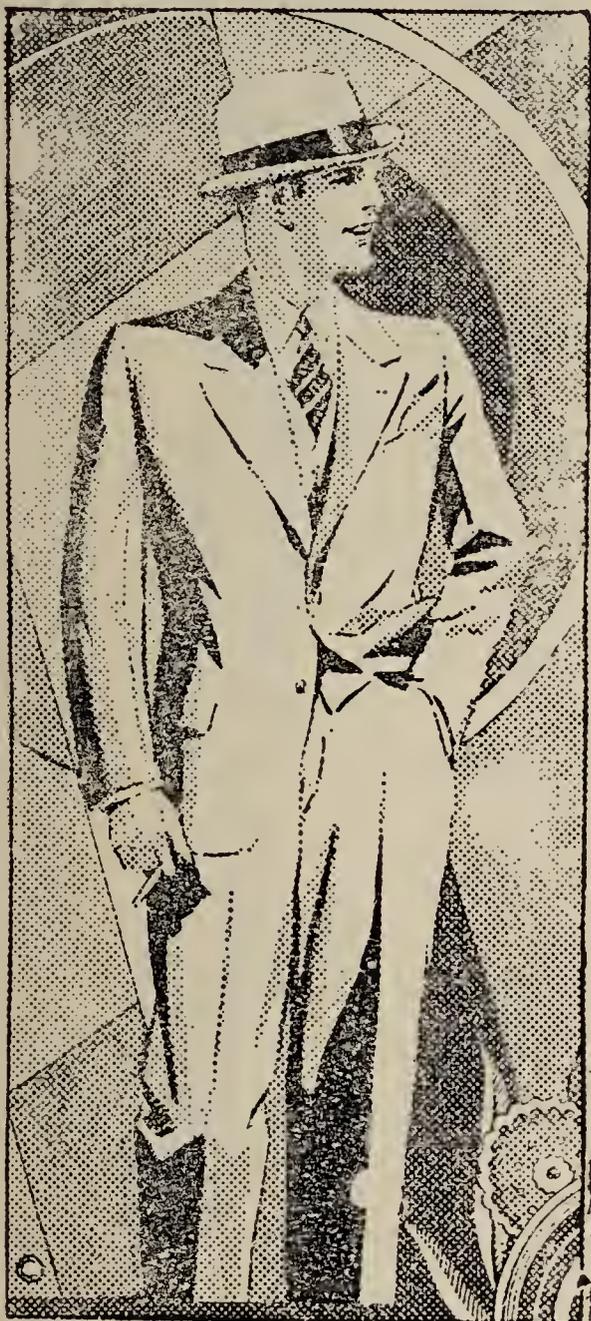
“What does your wife say when you go home so late?”

“I’m not married.”

“Then why do you go home so late?”

# Spring Suits and Topcoats

*Newest Styles, Patterns, and Colourings!  
Tremendous Assortments! Best Values!*



When men think of Spring Attire, they naturally think of Macdonald's, and this Spring our showing of new Suits and Topcoats is just a little smarter than ever before. Every garment conforms to Macdonald's standard of "Quality Merchandise Always"

We specially feature—

**SOCIETY BRAND — HYDE PARK —  
AND PRINCE CLOTHING**

These brands shown exclusively at Macdonald's in Guelph.

**TOPCOATS \$15 to \$40**

**SUITS \$15 to \$47.50**

**HATS, GLOVES, TIES, SHIRTS**

—Everything a man needs to complete a smart Spring Outfit.

Display at Both Stores

## D. E. Macdonald and Bros. Limited

Main Store,

GUELPH

Men's Branch Store

Lower Wyndham St.

Upper Wyndham St.

**ATHLETICS REPORT**

(Continued from Page 415)

**Donations****Credit**

From Students to C.C. & R.A.	
Assoc. of Guelph .....	\$ 55.00
Field Medals .....	25.00
<b>Total .....</b>	<b>\$ 80.00</b>

**Debit**

C.C. & R.R. Assoc. ....	\$ 55.00
<b>Total .....</b>	<b>\$ 55.00</b>

**Store-Room (Sale of Equipment)****Credit**

Sales .....	\$ 145.55
-------------	-----------

**Affiliation and Students Fees****Credit**

C.I.A.U. Fees Returned .....	\$ 10.00
Registrar Fees .....	1,611.00
O.V.C. Fees .....	375.00
<b>Total .....</b>	<b>\$1,996.00</b>

**Debit**

C.I.A.U. Entry Fees .....	\$ 43.00
Representatives to Meetings.	35.25
<b>Total .....</b>	<b>\$ 78.25</b>

**Deposits on Uniforms**

Rugby .....	\$ 310.00
Soccer .....	10.00
Hockey .....	45.00
Basketball .....	4.00
<b>Total .....</b>	<b>\$ 369.00</b>

**Debit**

Rugby .....	\$ 305.00
<b>General Accounts</b>	<b>\$ 305.00</b>

**Debit**

Crests and Medals .....	\$ 161.20
Team Equipment .....	772.50
Trainers' Equipment .....	152.46
Bookkeeping .....	18.03
Advertising .....	18.68
Printing .....	65.29
Telegraphs .....	1.41

Hardware .....	42.86
Cartage .....	1.50
Repairs to Equipment .....	23.00
Gratuities .....	18.00
Exchange .....	.90
Express .....	11.63
Stamps .....	6.96

<b>Total .....</b>	<b>\$1,294.42</b>
--------------------	-------------------

**Soccer****Credit**

Expense Acct. Returns .....	\$ 6.30
<b>Total .....</b>	<b>\$ 6.30</b>

**Debit**

Expense Acct. ....	\$ 55.00
<b>Total .....</b>	<b>\$ 55.00</b>

**Track****Credit**

Field Day .....	\$ 34.20
Expense Acct. Returned ....	13.55
<b>Total .....</b>	<b>\$ 47.75</b>

**Debit**

Expense Acct. ....	\$ 165.00
<b>Total .....</b>	<b>\$ 165.00</b>

**Rugby****Credit**

Gate Receipts .....	\$ 730.25
Returned from Expense Acct.	23.75
Money for Freshman Equipmt.	150.00
<b>Total .....</b>	<b>\$ 904.25</b>

**Debit**

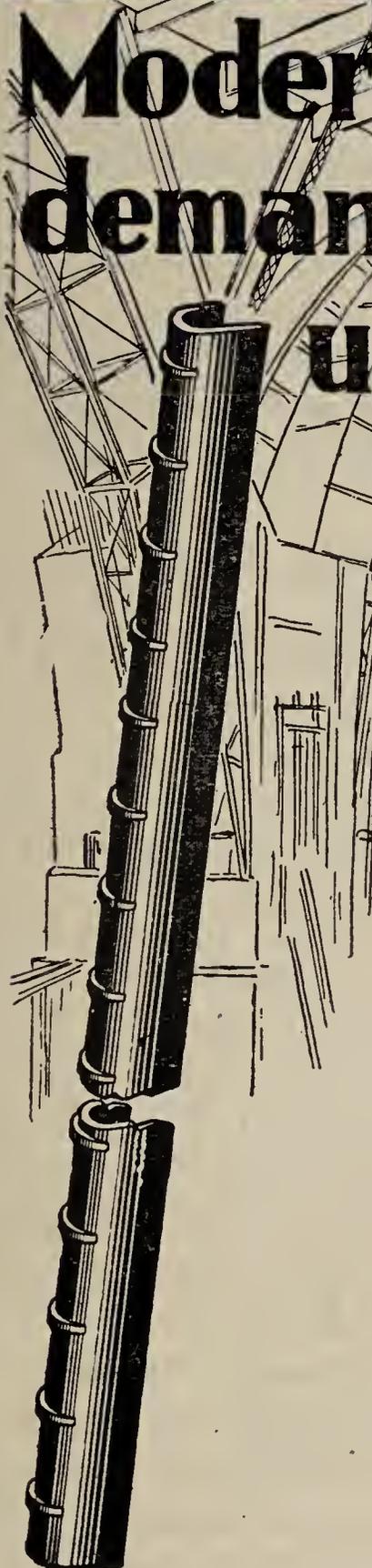
Expense Acct. ....	\$1,079.50
<b>Hockey</b>	<b>\$1,079.50</b>

**Credit**

Money Loaned for Exhibition	
Game at Mich .....	\$ 200.00
<b>Total .....</b>	<b>\$ 200.00</b>

**Debit**

O.H.A. Affiliation .....	\$ 6.00
Practice .....	15.00



# Modern Construction demands STEEL—Why use Wooden Posts?

WOODEN bridges, culverts and buildings have gone the way of all old-fashioned things. Steel is the modern construction material.

Burlington U-Bar steel fence posts answer the farmer's demand for economical fence equipment that can be speedily erected.

Using our one-man driver, it takes less than one minute to drive a Burlington U-Bar post securely in place.

Burlington U-Bars are designed to hold wire strands permanently taut; to withstand every strain; to enhance property values; and not to require repairs or upkeep expense.

Burlington U-Bars make a permanent, attractive fence, yet they cost less than wooden posts set in the ground.

Write to-day for descriptive booklet that tells the whole remarkable story of these steel fence posts.

BURLINGTON STEEL CO., LIMITED  
Hamilton Ontario

## BURLINGTON U-Bar FENCE POSTS

Registration .....	3.75
Referee .....	13.00
Money Loaned for Exhibition	
Game at Mich. ....	200.00
	\$ 237.75

N.B.—**Expense Acct.**—Refers to the Managers Expenses including transportation, refreshment and incidental expenses in connection with the team.

Audited and found correct.

Ronald D. Fowke, Auditor.

Certified correct.

J. B. Sheldon, Treasurer.

### INVENTORY

#### Sale of Equipment

- 1 pair Rugby Boots
- 9 pair Running Shoes
- 10 pairs Knee Pads (elastic)
- 8 pairs Gym Knickers
- 2 Gym Shirts (cotton)
- 6 Athletic Supports
- 10 O.V.C. "V" Neck Sweaters
- 2 O.A.C. "V" Neck Sweaters
- 6 O.V.C. Roll Neck Sweaters

#### Track Equipment

- 1 Javelin
- 1 Discus
- 1 Shot Put
- 1 doz. Stakes
- 200 yds. 1/4" Rope
- 1 Vaulting Pole

#### Rugby Equipment

- 7 Used Rugby Balls
- 2 Football Bladders
- 1 Football Bladder
- 2 Football Pumps

#### Trainers' Equipment

- 8 doz. 2 1/2x10 Bandages
- 4 doz. 2x10 Bandages
- 7 doz. 1 1/2x10 Bandages
- 2 lbs. Absorbent Cotton
- 23 rolls Friction Tape
- 12 oz. Iodine
- 8 oz. Alcohol
- 8 oz. Iodex
- 5 oz. Sloan's Liniment

4 oz. Spirits of Ammonia

#### Treasurer's Equipment

- 800 Expense Acct. Sheets
- 1500 Athletic Certificates
- 19 Receipt Forms (pads)
- 4 Insurance Receipt Forms (pads)
- 1 Deposit Form (Pad)
- 10 Bill Head pads
- 1 Equipment Issue (pad)
- 2 Expense Account
- 5 Order Blanks
- 1000 Registration Forms
- 1 Desk
- 2 Files
- 1 Cash Book
- 2 Ledgers
- 1 Columnner
- 1 doz. Carbon Papers
- 400 Note Paper Sheets
- 25 Envelopes
- 500 Athletic Tickets
- 900 Rugby Tickets

#### Emblems

- 9—1st O.V.C. O's
- 29—1st O.A.C. O's
- 2—2nd O.V.C. O's
- 3—2nd O.V.C. O's (old type)
- 9—2nd O.A.C. O's (old type)
- 28—2nd O.A.C. O's
- 7 Managers' Crests
- 50 Championship Crests
- 10 Record Emblems, Track
- 5 Record Emblems, Indoor
- 16 Managers' Stars.

#### Team Equipment

	Rugby	Hockey	Basket- ball	Soccer
Sweaters .....	46	12	19	10
Pants .....	52	17	19	..
Helmets .....	47	..	..	..
Shoulder Pads.	48	..	..	..
Gloves .....	..	22	..	..
Knee Pads ...	8	..	..	..
Sweat Shirts..	..	..	14	..
Goal Pads ....	..	2 sets	..	..

Also—18 pairs Gym Pants.

(Please Turn to Next Page)



**You do not buy Frost Fence**  
*You Invest in it!*

Frost Fence is an investment. In two or three years you get back your money **WITH ADDED PROFITS.**

Frost Fence increases your income by stopping losses that steal your profits. Stock-tight, durable and dependable through every weather condition, it fully protects growing crops and keeps stock where they are put, preventing accident, gorging and disease.

Frost Fence is quickly and easily erected and gives years of dependable service. Wires are extra-galvanized and rust-resisting to the core. Stay wires hold up under the heaviest strain. The exclusive Tight Lock cannot slip or loosen. Frost Fence not only prevents waste but saves time, money and labor spent in repairing ordinary fence. Write for new Frost Fence catalogue.

**Why We Sell  
FROST FENCE**

Through Local Dealers

Your local Frost dealer gives you better and cheaper service. By ordering in large quantities, he obtains cheaper freight rates and the saving is passed on to you. We sell through your local Frost dealer to give you the best service.

**Frost  Fence**

**VICTOR  
STEEL  
POSTS**

Always use Victor Steel Posts with Frost Fence. Entirely new design giving 12% increased bearing surface and greater strength. Erected in a minute. No postholes to dig. Fireproof for weed burning. Frost Fence attached easily and quickly.



**FROST STEEL and WIRE CO. LIMITED, Head Office: HAMILTON, ONT.**  
and at Montreal, Que., and Winnipeg, Man.



**Sundry Equipment**

- 1 Used Soccer Ball
- 1 Used Volley Ball
- 1 Suspension Belt
- 1 Home Plate
- 10 pairs Water Wings
- 1 lb. Dichloricide
- 4 1-gal. Liniment Bottles
- 4 1/2-gal. Liniment Bottles
- 1 2-gal. Liniment Bottle
- 2 Hockey Pucks

The above equipment is all in good condition. All useless and worn-out equipment has been discarded.

Appraised Value of Complete Inventory—\$1,320.00.

All goods are valued at cost, allowing 25% depreciation of total value.

Certified Correct.

Jas. B. Sheldon, Storeroom Manager,  
1928-29.

R. H. Keith, Storeroom Manager, 1929-  
30.

**EXPERIMENTAL UNION**

(Continued from Page 398)

plying the British market, consequently Canadian farmers, whose costs of production are relatively high, cannot produce cheaply enough to compete in this market; the prices, at present ruling there, are not sufficiently high to entice him to produce for it.

Mr. W. C. Nixon, the Agent General for Ontario in London, also addressed the meeting briefly. He pointed out that there was an office in London maintained and paid for by the Ontario government, and he would be glad if people would use the service provided for them.

Following the Treasurer's report on Thursday morning the meeting was addressed by Prof. J. E. Howitt, O. A. C., who gave a preliminary report on Chemical Weed Killers. The results obtained in treating the various weeds with the chemical weed killers advertised and sold

throughout the province were given by Prof. Howitt. In some cases they appeared satisfactory, in others the results were not so good. The work will be carried on again next year, meantime the Botany Dept. did not care to make any definite assertions upon the result of one year's work.

J. P. Carroll, Director Crops Co-operation and Market Branch, Toronto, discussed the marketing of potatoes. He called attention to the violent fluctuations in the price of potatoes from season to season, and expressed the hope that something could be done to prevent this. He urged that all potatoes should be graded before they were sold, in this way the farmer could in the long run get a better price. He instanced the case of the Ontario's Potato Growers Association who were grading according to a high standard which they had themselves decided upon. As a result they received a price which compared favorably with that received for potatoes from other provinces.

Mr. Tuckney, Chief Potato Inspector for Canada said that in 1929, 6,000 growers produced 32,000 acres of certified seed but 7,726 acres had been objected because of disease.

If potatoes showed signs of late blight when the crop is well on to maturity, they should be sprayed with a solution of 15 to 20 lbs. of bluestone in 40 gallons of water, which would kill off the tops. The tubers should then be allowed to stay in the ground for two weeks to allow any disease to develop. They should be picked on a cool, dry day and diseased tubers discarded. If a crop showed any signs of disease it was advisable to market them early. When storing it was necessary to provide sufficient ventilation to keep the potatoes dry, and a temperature of 40 degrees was the best.

**Make More Money with  
the Help of this**

**FREE  
BOOK**



Put your farm on a paying basis. Stop waste. Reduce hard work. "What the Farmer can do with Concrete" tells how.

**CANADA CEMENT  
CONCRETE  
FOR PERMANENCE**



In it you will find complete and easily understood plans and instructions for building permanent, fire-safe concrete farm improvements. Silos, stable floors and foundations, milk houses, root cellars, manure pits and other conveniences are all shown.

Send for your free copy of this book. Over 200,000 Canadian farmers have profited by it. You can make more money, too.

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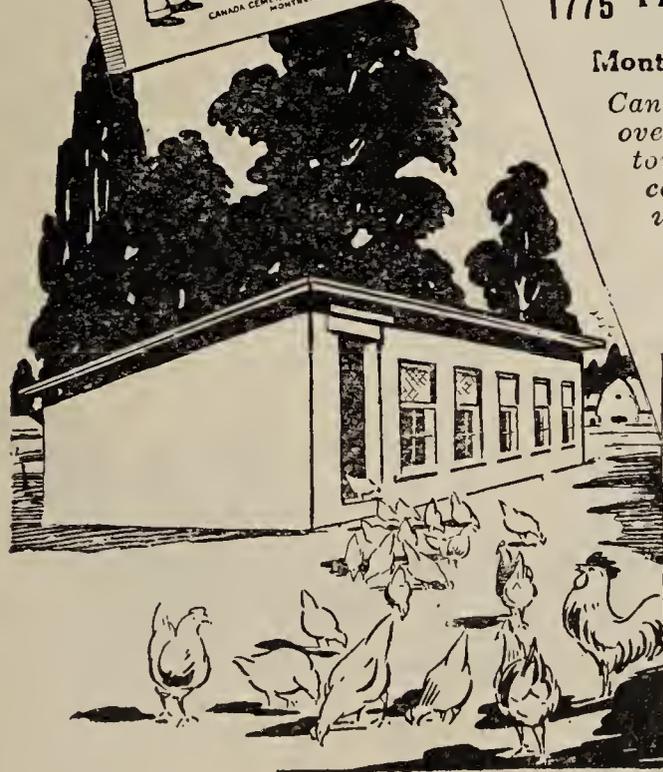
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Canada Cement Company Building  
Montreal

Send me your free book—

.....  
(Name)

.....  
(Address)



**HERD SIRES**

(Continued from Page 387)

The Junior herd sire was recently purchased. He is Willowlodge Baron, bred by McEwen of Wyoming, Ont. He was Junior Champion Berkshire boar at the 1929 "Royal."

For Tamworths. Maplehurst Guide, bred by G. Douglas and Sons of Mitchell, Ont., is the senior herd sire. He was Junior Champion Tamworth boar at the 1927 "Royal."

The College now maintains ten different breeds of sheep for breeding and demonstration purposes. Briefly the breeds represented are: Shropshires. Oxfords, Southdowns, Hampshires, Leceisters, Cotswolds, Lincoln, Dorcets, Cheviots and Suffolks. Shropshires comprise the greater part of the breeding flock. The present Shropshire flock sire is O.A.C. 3131, a ram that was sold at the College sale in 1925 and was repurchased by the College in 1927, when he had proven to be an outstanding sire. His sire was Buttar 9 an imported ram, that has been used in the College flock for eight years.

The Southdown flock leader was purchased in the fall of 1929 from Col. Robt. McEwen, near London, Ont. He comes from probably the best Southdown flock on the American Continent, as Southdowns bred by Col. McEwen have consistently been "Royal" and "International" winners in the past few years.

Oakdale 385, a Hampshire ram was added to the College flock after the 1929 show season. He was bred by L. E. Morgan of Millikan, Ont., and was Third prize ram lamb at the Canadian National Exhibition in 1929.

The above mentioned rams represent the only breeding males kept in the Col-

lege flock. Oxfords, Leceister and Lincoln ewes are sent out to be bred to outstanding rams owned by breeders of their respective breeds, in the vicinity of the College.

Cross breeding is not generally practised at the O. A. C. but for experimental purposes a few Cotswold and Dorset ewes have been bred to the Shopshire flock sire in the 1929 breeding season. The progeny of these ewes will not be used for breeding purposes.

The writer is indebted to Professor J. C. Steckley for the above information.

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**EDITORIAL**

(Continued from Page 403)

paring animals and the time and ingenuity in designing and building the exhibits in the gym could only be estimated by those who saw the exhibit. To the freshmen, of course, the College Royal was a new experience. Their pride in what the college students can do was conclusively shown by the fact that several of them were overheard to remark that they wished their parents could have been there to see everything. To see was to realize that this institution does something to its students other than just pour book-learning into their heads.

Originality combined with plenty of work and perseverance was necessary to be in the running for any of the prizes. It might be interesting to note that members of the Extension Department of the College were particularly interested in at least two of the exhibits and that they will probably be used by the department in their work in agricultural education.

Change to  
Winchester—  
the *blended right*  
cigarette



Twenty  
for **25c**

# Winchester

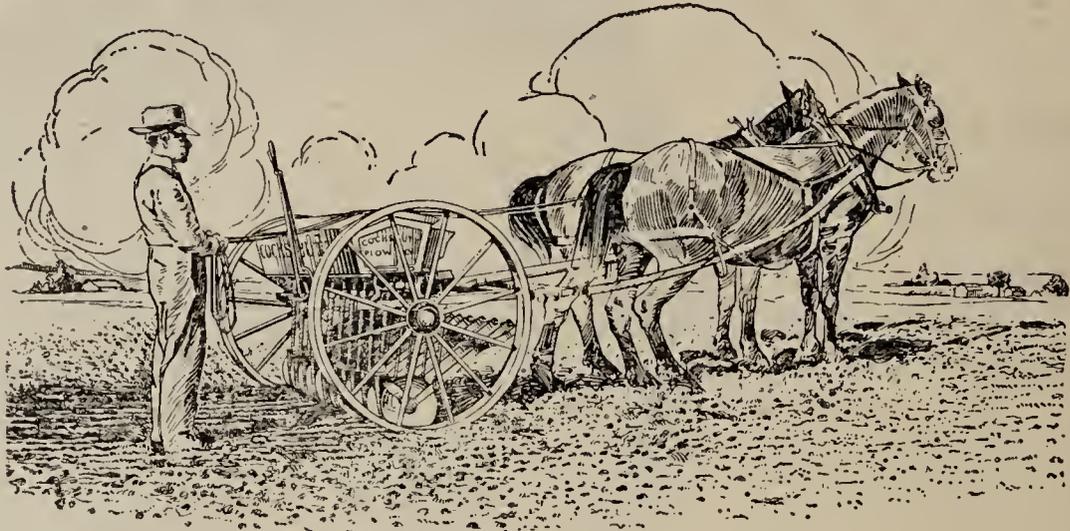
CIGARETTES

SAVE THE "POKER HANDS"

## COCKSHUTT NEW NO. 10

GRAIN AND FERTILIZER DRILL

"Hyatt"  
Roller  
Bearings



"Alemite"  
Lubrication

A new model with improvements that place it in a class by itself. Frame is all-steel, light weight and rigid. "Hyatt" Roller Bearings and "Alemite" Lubrication ensure exceptionally light draft.

Positive force feed for both grain

and fertilizer. Great variety of changes in quantity is possible. A new Ridging Attachment for Tobacco etc., makes this a triple purpose machine.

See It At Our Local Agent's or Write Us for Further Information.

**COCKSHUTT PLOW CO. LTD., BRANTFORD, ONT.**

Sold in Eastern Ontario and Eastern Canada by

**THE FROST & WOOD CO., LIMITED**

Smiths Falls, Ont.

Montreal, P. Q.

Truro, N. S.

### AGRICULTURE AND INDUSTRY

(Continued from Page 391)

feed for cattle, the value of the cake from a certain quantity of beans being 50 per cent greater than the value of the oil.

Mr. Brookhart. The development of the soybean culture could be encouraged on American farms.

Mr. Sheppard. The Senator is right.

Mr. Brookhart. And the soybean has another value, namely, it enriches the soil in rotation of crops; for that purpose it is one of the most valuable crops which we have.

Mr. Sheppard. I am delighted to have that suggestion from the Senator.

Mr. Copeland. Mr. President—

The Vice President. Does the Senator from Texas yield to the Senator from New York?

Mr. Sheppard. I yield.

Mr. Copeland. Soybean oil is a dry-

ing oil, and in its chief commercial use it comes in competition with linseed oil. We are importing half of our linseed oil; there has been a demand for about 250,000,000 pounds, and yet, in spite of all the possibilities of substituting soybean oil, we produced only 4,700,000 pounds of soybean oil during the past year. I cannot understand why, if it is such a valuable oil as suggested, it has not been produced in large quantities, especially in view of the high price it now commands for use as a drying oil in connection with the paint industry.

Mr. Sheppard. It is because other foreign oils which can be used for the same purposes are usurping the place it could fill.

Maximum importation of soybean oil was reached in 1918. Since then importation has declined to 5 per cent in 1927 of what it was in 1918, a war year.

(Please Turn to Next Page)



SAVE THE RECORDS

**FIRST!**

## Fire! Fire!

Startled, men all about the Purina Experimental Farm dropped their work and ran. The steer barn was burning!

Too late to save the barn...cattle safe in the pasture... but into the flames they groped and staggered...feeling... searching...

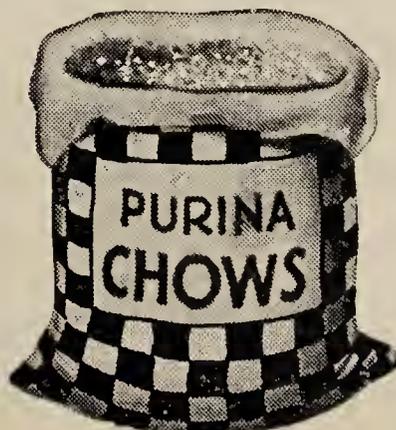
Searching for something insurance could not cover...for something carpenters could not build...for something money could not buy.

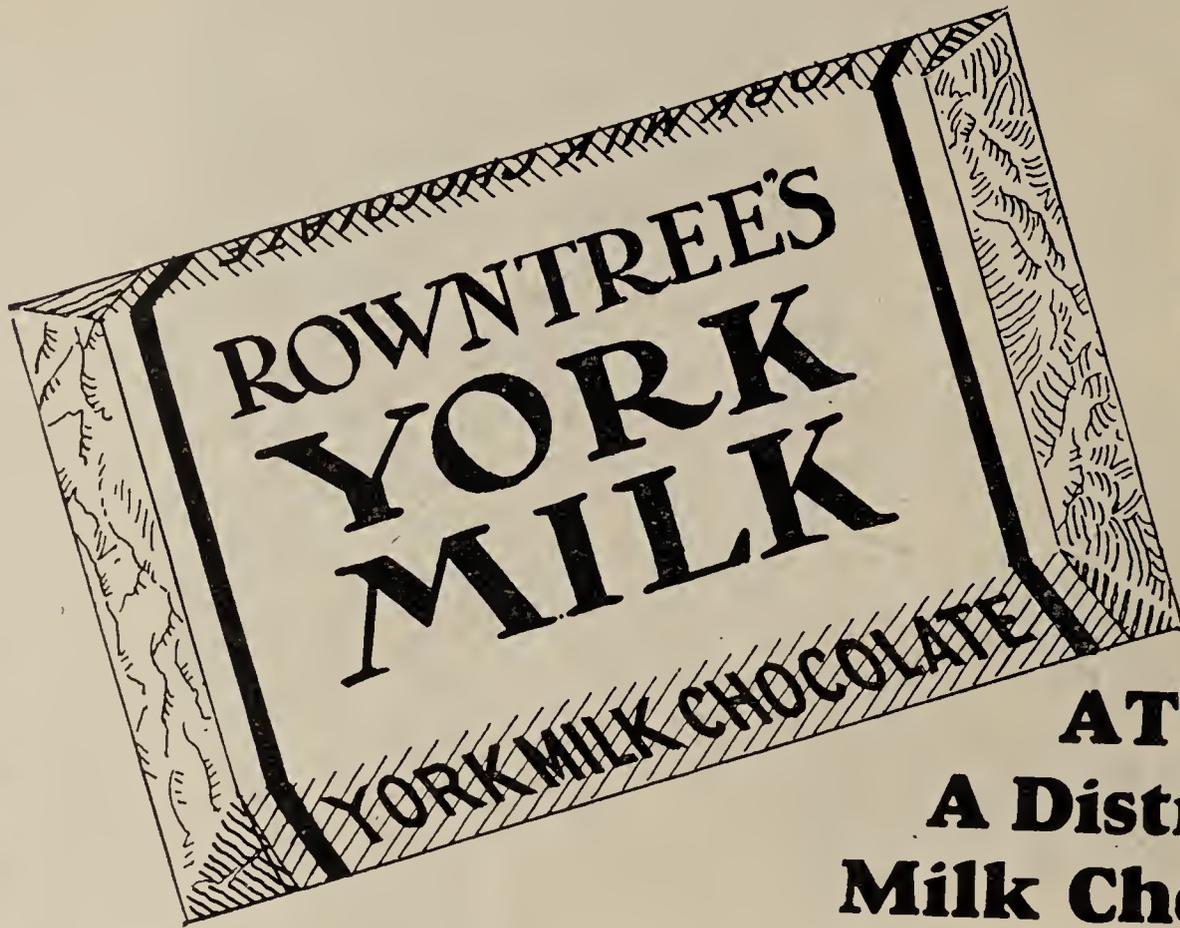
Brave hands soon found and saved that something.... *the records!* Records that told the true story of long and patient experiments...records that explained the why of new ways of feeding...records that meant more dollars in the pockets of every Purina feeder.

Records! They're the backbone of things on the Purina Experimental Farm. Purina must guard them preciousely For it is these records that point the way to new methods of feeding...it is these records that are behind every Checkerboard bag in your feedlot. When you are in a dollars and cents frame of mind it is these records that will send you to the Checkerboard store every time!

**RALSTON PURINA COMPANY,  
LIMITED**

Woodstock, Ontario





# 5<sup>c</sup>

**AT LAST!  
A Distinctive  
Milk Chocolate**

**The Rowntree Co., Ltd., Toronto, Ontario.**

## AGRICULTURE AND INDUSTRY

However, we imported over 12,000,000 pounds in 1928, about three times the home production. In that year, we exported 7,142,097 pounds, leaving a net balance of imports. Our exports go chiefly to Cuba, Dominican Republic, British South Africa, and Canada.

The Tariff Commission in a report presented in April 1926, tells us that the cost of producing soybean oil in the United States in 1924 was 12.40 cents per lb. and in China 6.94 cents per lb."

## PULLORUM DISEASE

(Continued from Page 411)

sed in this paper. Several articles have been published on the subject, and investigations are still being carried on to facilitate the work.

In conclusion it might be of interest to some to explain the reason for discontinuing the use of the term 'bacillary white diarrhea!' The change was suggested by Rettger himself owing to the fact that diarrhea is not a constant symptom of the disease. True, a large number of the affected chicks show this condition resulting in them becoming 'pasted up behind', but in a great many this symptom is entirely absent. Therefore, the term 'bacillary white diarrhea' is a misnomer and its use is being discontinued. The most constant lesion found on post-mortem is congestion of the lungs accompanied in a great many cases with nodules on these organs. Before, however, a statement is made as to the cause of death the internal organs (lungs, liver, heart and intestines) are cultured on artificial media in order to isolate the organism.



## Separators—For Every Need and Purse

**D**E LAVAL is the world's largest manufacturer of cream separators—has been at it longer, has had more experience, and knows more about making and servicing separators than any other organization.

That's why there are about as many De Laval in use the world over as all other makes combined. Experts the world over recommend and use De Laval for greater skimming efficiency, convenience and reliability of operation, and longer life.

When you get a separator, get a De Laval and you will have the best—there is a size and style for every need and purse.

There are four lines of De Laval Farm or Dairy Size Separators:

**GOLDEN SERIES**—The world's best separators. The most completely and conveniently equipped, cleanest skimming, easiest running and most durable. Finished in beautiful and durable gold and black. Seven sizes, from 200 to 1350 lbs. capacity. Prices from \$67.50 to \$315.00—hand, belt or motor drive.

**UTILITY SERIES**—Exactly the same as the Golden Series in construction and separating efficiency, but lacking several features. Sold at lower prices. Three sizes, 350 to 750 lbs. capacity. Prices \$84.50 to \$112.25.

**JUNIOR SERIES**—A new quality line of smaller separators for the one to three cow owner. Most efficient and durable. Finished in royal blue. Three sizes, 150, 225 and 300 lbs. capacity. Prices \$40.00, \$47.50 and \$52.50.

**EUROPA SERIES**—Another line of still lower price, small, European-made De Laval Separators. Finished in red. Four sizes, 150 to 400 lbs. capacity. Prices \$30.00 to \$45.00.

*Sold on easy terms or monthly installments. Prices slightly higher in Western Canada. See your De Laval dealer or write to nearest De Laval office.*

### THE DE LAVAL COMPANY, LTD.

PETERBORO    MONTREAL    WINNIPEG    VANCOUVER

**To help you to work better**  
**To help you play better---**

Vigor for your muscles—tone for your nerves—extra strength for work or play, come to you if you will eat a bar of this delicious chocolate every day—about 4 p.m. is a favorite time.



# Neilson's Chocolate Bars

## WHY COME TO THE O.A.C.

(Continued from Page 394)

In the last place, I wanted to discover myself. On the farm I have never had the chance of thinking absolutely for myself and taking the complete consequence of my own actions. I have never had myself really tested. The O. A. C. is providing this test, and I am trying to make the best use of it.

By W. A. Dilworth

My reasons for deciding to attend the O.A.C. were threefold and somewhat varying in character.

Firstly, I realized my incapacity to play a really worth while and beneficial part in my own home community or any other community of which I might ever form a unit. This condition was due to lack of academic and cultural education.

Secondly, I considered the reasonable board and room rates and advantages of

a college course, in residence as is provided at the O.A.C. where associations with men of various opinions, representing the various countries of the world, leads one to be a bigger man mentally and form a broader and more tolerant view of life.

Thirdly, I have always been deeply interested in Agriculture and it is my belief, a belief to which I strongly adhere, that every man, in order to be a success in life spiritually, socially and materially, should enter upon that line of work in which he is most interested and which he feels he is called to perform.

These several features, I consider to be equal in value and if closely followed and ever diligently striven for, my thoughts are, that that portion of humanity with which I might hereafter come in touch, will profit because I attended the O.A.C.

# THE EVOLUTION of HARVESTING

**F**OR centuries the only tools for harvesting and threshing were the scythe and the flail. Empires arose and fell, temples were erected and crumbled, but agriculture alone stood still.

In the early eighteenth century came the crude reaper and thresher and the dawn of a new age for agriculture, with new possibilities and opportunities. Time and labor-saving machinery had come.

Mechanical development progressed. The grain binder and thresher with their labor-saving attachments were brought nearer and nearer perfection, and the capacity of the farmer was vastly multiplied.

Then came another machine—the combine—which does in minutes the work that formerly took days in the time of the scythe and flail.

Since 1842, this Company has made outstanding and uninterrupted progress in the development of mechanical threshing. This experience and these achievements have fitted Case to lead in the process of perfecting the modern combine.

The new Case Combine now offers the farmer a still greater efficiency—more dependable operation and longer life. This machine has many exclusive features that save time, labor, grain and money. A complete description will be gladly furnished.

**J. I. CASE CO., Inc.,**

*BRANCHES: Winnipeg, Man., Regina, Sask., Toronto, Ont., Calgary, Alberta, Saskatoon, Sask.*

*The Greater  
Case Line  
includes a  
machine for  
practically  
every farm  
purpose*



# CASE

*Quality Machines  
for Profitable  
Farming*

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AROMATIC CEDAR LINING FOR CLOTHES CLOSETS, WINDOW AND DOOR SCREENS, OUTSIDE SHUTTERS, PERGOLAS FOR THE GARDEN, and many other articles that make your house

## Your Home

LUMBER AND PLANING MILLS GOODS

# Guelph Lumber Company, Limited

Chas. H. Fuller, Manager.

Phone 1068

### COLLEGE ROYAL

(Continued from Page 401)

'32; 2, D. A. Dempsey, '30; A. M. Ross, '31.

#### Results in Agronomy Section

Class:—

1. Spring wheat—1, Chepesuik; 2, Langton.
2. Fall wheat—1, King; 2, McTaggart.
3. Barley—1, Barr; 2, McKercher.
4. Oats—1, Cloke; 2, Chepesuik.
5. Beans—1, Pinkney; 2, Chepesuik.
6. Peas—1, Pinkney; 2, Chepesuik.
7. Dent Corn—1, Cohoe; 2, Reid.
8. Flint Corn—1, Reid.
9. Timothy—1, Jerome; 2, Pinkney.
10. Red Clover—1, McClellan; 2, Chappel.
11. Sweet Clover—1, Jerome; 2, Macklin.
12. Alfalfa—1, Macklin; 2, Pinkney.
13. Alsik—1, Macklin; 2, Pinkey.
14. Potatoes—1, Harrison; 2, Jerome

15. Turnips—1, Pinkey; 2, Bryden.

16. Mangels—1, Barr.

17. Tobacco—1, Reid; 2, Cohoe.

#### Championships

Corn—Cohoe, '32.

Tubers—Harrison, '30.

Large grains—Chepesuik, '30.

Small grains—McClellan, '30.

#### Results in Horticultural Section

Group 1—FRUIT:—

Apples—Class 1.—McIntosh (Total entries—7)—1, M. E. Macklin, '33; 2, D. J. McTaggart, '32.

Class 2—Spy—(Total entries—9)—1, E. A. H. Banks, '30; 2, M. E. Macklin, '33.

Class 3—Baldwin—(8 entries)—1, W. A. Dempsey, '30; 2, W. K. Hartley, '31.

Class 4—R. I. Greening—(8 entries)—1, A. S. Hill, '31; 2, W. A. Dempsey, '30.

Class 5—Golden Russet—(8 entries)  
(Please Turn to Next Page)

# Best possible connections...

Can be made through this schedule, which is planned with this purpose in view.

## LEAVE GUELPH

7.15 a.m.—Daily  
 9.45 a.m.—Daily  
 12.30 p.m.—Daily  
 2.30 p.m.—Daily  
 6.00 p.m.—Daily  
 9.30 p.m.—Daily Except Sunday  
 11.00 p.m.—Sunday Only

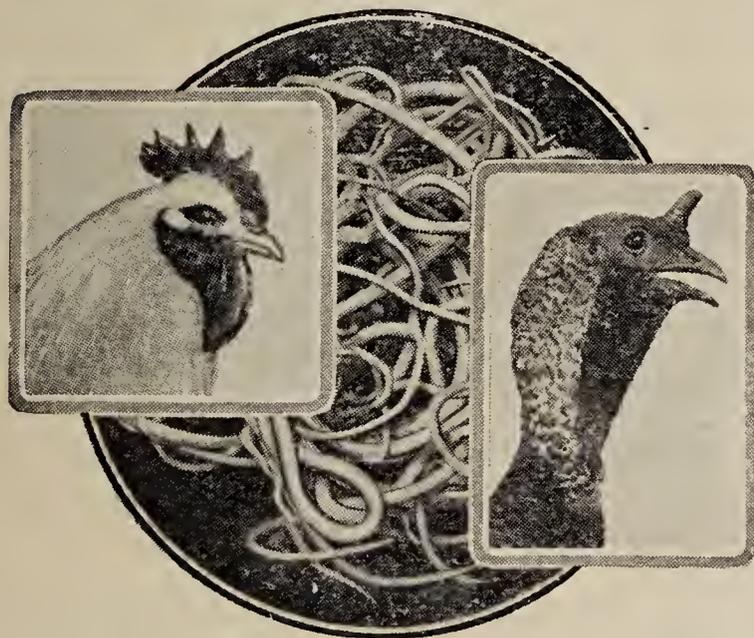
## LEAVE HAMILTON

7.15 a.m.—Daily  
 9.30 a.m.—Daily  
 12.45 p.m.—Daily  
 4.15 p.m.—Daily  
 6.45 p.m.—Daily Except Sunday  
 9.00 p.m.—Sunday Only  
 11.00 p.m.—Daily Except Sunday

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Waiting Room: Quebec Street

Guelph Phone 2052



## Nema Worm Capsules

(Chemically-tested tetrachlorethylene)

A safe, effective, economical anthelmintic.

For removal of roundworms in poultry, also stomach worms, hookworms and roundworms in dogs, cats, foxes, sheep, goats and swine.

Nema Worm Capsules are available in packages of 12 and 50 as follows:—

- No. 190—5 cc. (80 minims) For cattle, sheep, swine, large dogs, etc.
  - No. 189—2½ cc. (40 minims) For medium size dogs, small hogs, lambs, kids, etc.
  - No. 187—1 cc. (16 minims) For adult foxes, small dogs, poultry, etc.
  - No. 191—0.5 cc. ( 8 minims) For young turkeys, chickens, foxes, etc.
  - No. 188—0.2 cc. ( 3 minims) For puppies, fox cubs, small chickens, etc.
- (Send for free bulletin)

## Parke, Davis & Company

Montreal, Que.

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Winnipeg, Man.

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**We Can Solve Your Hosiery  
Problem.**

**See Our Christmas Specials.**

**All Hosiery Fully Guaranteed.**

## COLLEGE ROYAL

—1, E. G. Anderson, '32; 2, H. Cole, '32.

Group 2—VEGETABLES . . . . .

Class 6—Cabbage—(4 entries)—1, H. Cole, '32; 2, W. A. Dempsey, '30.

Class 7—Celery—(3 entries)—1, W. A. Dempsey, '30; 2, J. Hearn, '33.

Class 8—Carrots—(7 entries)—1, E. A. H. Banks, '30; 2, A. N. L. Butler, '30.

Class 9—Beets (4 entries)—1, W. A. Dempsey, '30; 2, E. A. H. Banks, '30.

Class 10—Onions—(10 entries)—1, W. M. Gammon, '30; 2, N. H. Walker, '30.

Class 11—Potatoes—(15 entries)—1, J. McConachie, '31; 2, M. P. Harrison, '30.

Class 12—Swede Turnips—1, M. P. Harrison, '30; 2, W. A. Dempsey, '30.

## Mistaken Identity

Colonel (to stranger at Brooklands):  
“I hate these modern girls. Look at that creature over there. Fancy her parents letting her go about in plus-fours and an Eton crop. Bah!

Stranger: That, Sir, is my daughter.”

Colonel: “Oh—er, sorry. I didn't know you were her father.”

Stranger: “I'm not. I'm her mother.”

## No Results Showing

Jock Tamson saw a woman coming down the High Street. He thought he knew her. Turning to his companion, he said:

“Tam, is that your wife coming down the street?”

“Yes,” said Tam, “she has just been to a beauty parlour.”

“Really!” was the answer, “I don't think they can have served her!”

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**OUR CATERING SERVICE**  
IS AT YOUR DISPOSAL----

LET US SUBMIT YOU MENUS AND ESTIMATES

# WILLIAMS

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1881

—The House of Character—

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109

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CONFECTIONS

FANCY GROCERIES — TABLE DELICACIES

DOMESTIC AND IMPORTED FRUITS AND VEGETABLES

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TAILOR

CLEANER AND PRESSER

SUITS AND O'COATS MADE  
TO YOUR MEASURE

TUXEDOS \$27.00

TIP TOP CLOTHES \$24.00  
All One Price

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### Cleaning China— Cut Glass—Silver

Makes cut glass sparkle.

For cleaning silver, dissolve one  
teaspoonful of CHARM in an alum-  
inum pan of water. Bring to a boil,  
immerse silver for two minutes,  
rinse, allow to dry and then polish  
as usual. Use no soap or abrasive.

For sale at careful  
grocers. 1



# CHARM

CLEANS  
EVERYTHING

## Every Student Will Want

TO KEEP IN TOUCH WITH WORLD EVENTS



## The Guelph Mercury

Gives you all the News the Day it Happens

SPORTS FEATURED

All Games Find a Place in the MERCURY.

HAVE A COPY DELIVERED TO THE O.A.C. FOR YOUR  
PERSONAL USE.

### Jubilation

On a card in the front window of a suburban house appeared the following words—"A piano for sale."

In the window next door another card appeared with just one word.

"Hurrah!"

### As a Rule

Two men got on to an intimate conversation as to their domestic affairs. Said the first one:

"Does your wife miss you when you stay out late?"

"Yes, occasionally," was the answer, "but as a rule her aim is perfect."

### The Prodigal

A negro minister was describing the miseries and the persistence of the Prodigal Son.

"Dis young man got to thinkin' 'bout his meanness an' his misery an' he tuk off his 'at an' frowed it away. Den he

tuk off his coat and frowed dat away. Den he tuk off his vest an' frowed dat away. Den he tuk off his shirt an' frowed dat away, too. An' den, at last, he come to hisself!"

### Lying at Par

"Well, old man, how do you lie?"

"Oh, about the same as you; two strokes to every hole."

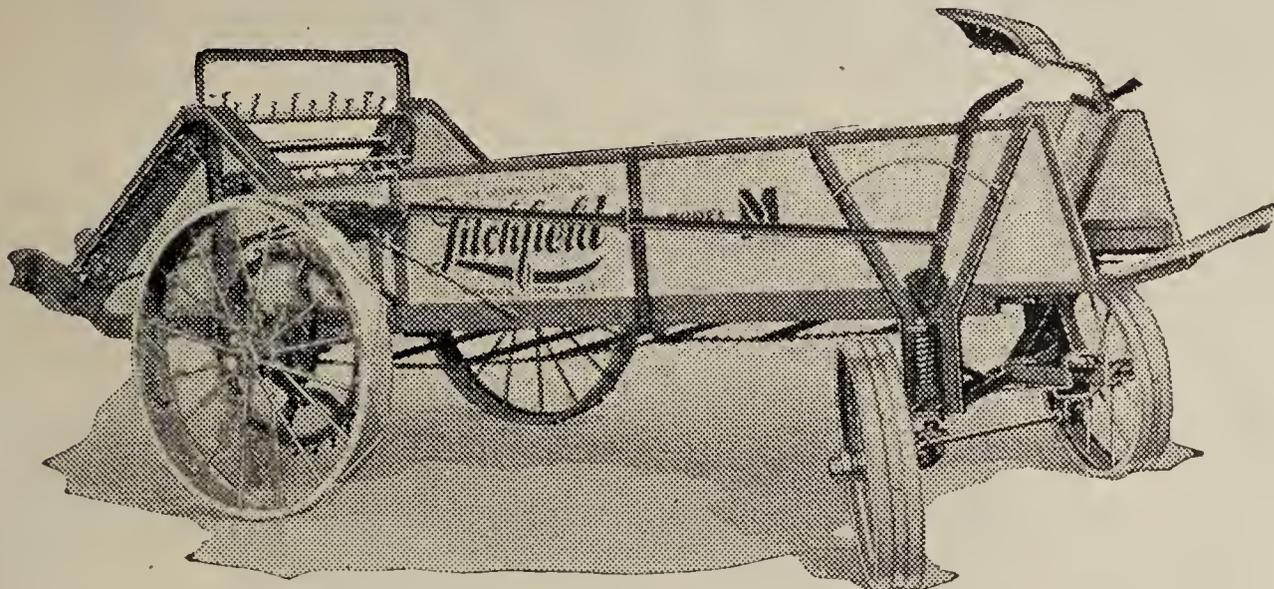
A stranger in a Kansas City restaurant offered the cashier a check for \$15.60.

"Just take out the price of my meal," said the diner, "and give me the balance in cash, if you please."

"I'm afraid we shan't be able to cash this check, sir," answered the cashier. "Y'see, sir, we 'ave a little mutual agreement with the banks, sir, that we cash no checks and they sell no soup."

—Wall Street Journal.

## THE LITCHFIELD MANURE AND LIME SPREADER



### THE MODEL "M" LITCHFIELD

Another Pioneer Product which has made history. In localities where THE LITCHFIELD Spreader has been introduced, there have been more "LITCH-FIELDS" sold than all other makes combined. There's a Reason. If you are considering a New Manure Spreader, it will pay you to investigate the LITCH-FIELD before you buy. Write for free Literature and full information.

AGENTS WANTED IN UNREPRESENTED TERRITORY

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LOMBARDIS CLOTHES  
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**\$25.00** AND UP

We Also Carry a Full Line of—  
GENT'S FURNISHING  
Just What the Well Dressed  
Man Needs

and  
WE ARE OPEN ALL DAY  
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FROM GUELPH TO

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25 and 35 Passenger Coaches  
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TORONTO



**New Spring  
TOPCOATS  
\$15<sup>up</sup>**

**POWELL'S**  
**College Clothes Shop**  
**20 LOWER WYNDHAM ST.**

### ALUMNAE

(Continued from Page 409)

**Cox, J. A.**—Has gone back to Cuba. Not heard from recently.

**Schneller**—Has an Ayrshire Farm near Baden, Ont.

**Raikes, Campbell** — Is farming near Barrie, Ont.

**Baldwin, Eddie**—Married. No news.

**Baird, L. F.**—Is engaged in rep. work in Nova Scotia.

**Brickley, J. J.**—Married. Assistant Manager, Agricultural Department, United Fruit Co., Banes, Cuba.

### What She Missed

"I'm sorry you do not think the chicken soup good," said the landlady. "I told the cook how to make it. Perhaps she did not catch the idea."

"No." said the boarder. "It was the chicken she missed."

### The Reason

Solicitor at Thames Police Court:

"We are told that in the next world there will be no marriage or giving in marriage."

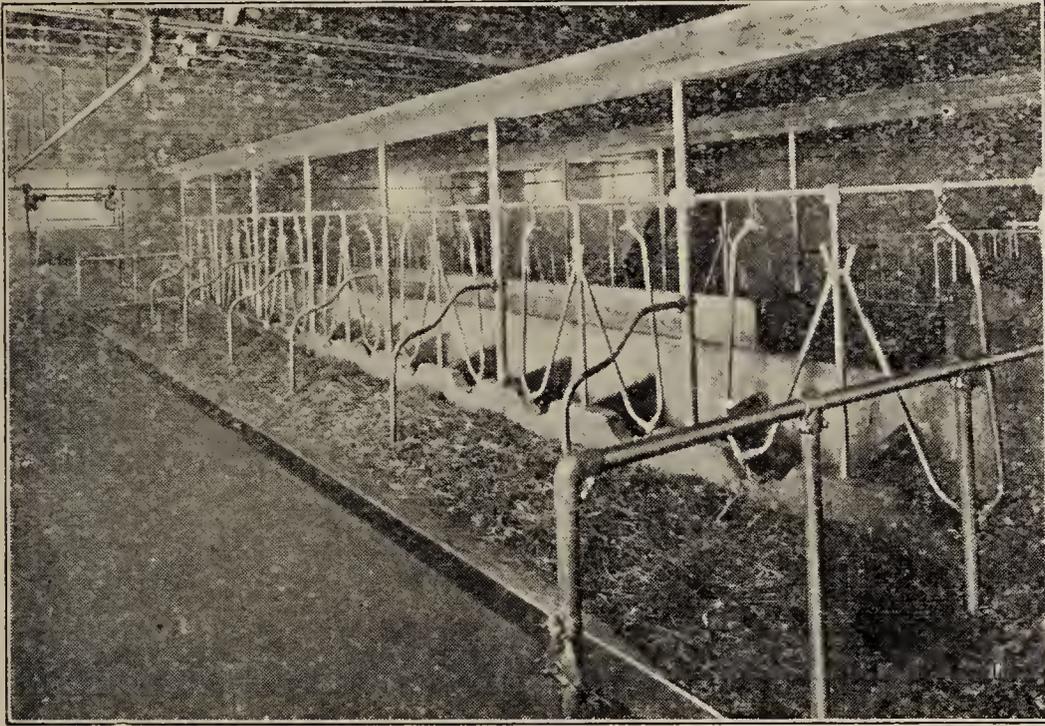
Magistrate: "That is why it is called Paradise."

"Do you have any trouble with *shall* and *will*?"

"No, the wife says *you shall* and I say *I will*." —College Humor

"Jones," said the schoolmaster, sternly, "you have been caught again in the act of flagrant disobedience. Your example to others is most injurious. In short, you are going to the devil. Come with me!" —Tit-Bits (London).

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The  
LEADER  
for  
SIXTY YEARS

Barn Equipment of every kind to meet every condition. Barn Planning Experts to advise on Layouts, Construction, Ventilation, Lighting, Drainage, etc.

ADVICE FREE

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## LATEST *Orthophonic* VICTROLAS

This new model is perfect in reproduction yet compact enough for apartment use. It has automatic brake that stops records after playing, also a speed regulator. The grille and drop handles are of special design. Sold on easy terms.

COME TO-DAY AND HEAR IT

at

# MASON & RISCH

Limited

"The Home of the Orthophonic Victrola"

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Ask Your Friends  
ABOUT OUR  
**YOUNG MENS' SUITS**

AT

**\$24.50**

MADE TO YOUR MEASURE

The Best Buy in Guelph

The materials of these high-grade Suits consist of Scotch Tweeds, English Worsteds, Hairline Stripes, Indigo Blues, Oxford Greys.

EVERY SUIT A BEAUTY.

**Rollie Hewer**

City Hall Square

**O.V.C.**

(Continued from Page 412)

**CLINICAL PHOTOGRAPHY**

There is no veterinarian that has not a camera of some kind, or at least the few dollars necessary for the purchase of one. An elaborate instrument is not essential. A vest pocket camera will do. The photograph is not to be a work of art nor is the subject to be presented as a person would wish to be, but a true clinical picture of your case.

A practitioner in the course of his practise meets with many cases that would be well to record in photographic form. A case of volar flexion is not unusual but perhaps it presents some detail out of the ordinary. So it is with any other disease a veterinarian might meet with.

It is possible for the man who carries a camera in the pocket of his car to take and file away clinical pictures of the cases which have come under his care. After a year or so of labor the average veterinarian would be possessed of a library of these clinical pictures with little effort.

You may question the value of this but cases and their details will be brought vividly again to mind by just a picture. They will also prove of value at association meetings and in unexpected ways. Is it not something to give consideration to?

**EMPIRICAL THERAPENTIES**

From an old Medical journal published in the early part of this century I have borrowed this suggestion for the treat-

(Continued on Next Page)

**GUELPH and ONTARIO  
INVESTMENT and SAVINGS  
SOCIETY**

Incorporated 1876

Deposits received and interest allowed at

**3  $\frac{1}{2}$**

per cent

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Office hours—9.30 to 4.  
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**George D. Forbes**      **J. M. Purcell**  
President                      Managing Director

Office: Corner Wyndham and  
Cork Streets, Guelph.

**EYES OF TO-DAY**

Seventy people out of every one hundred have defective eyesight. And this is not because eyes are being made "poorer" than they were in grandfather's day either.

Our present mode of living, with confining work, insufficient exercise and too many hours spent with artificial lights throws a load on the eyes which they were never intended to carry. As a result, more and more people need the comforting help of glasses for eyes which have been overworked.

Do not put off giving your eyes the attention they deserve. It is more than likely they need it NOW.

**A. D. SAVAGE**

EYESIGHT SPECIALIST

Savage Building                      Guelph

**BUY**

**Royal**

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**Pies**

at the

**CO - O P .**

They are Delicious.

Give Photographs  
for every occasion

Delightfully personal gifts, and gifts that only YOU can give. But of course they must be good.....and they will be if they are by Kennedy.

Give Photographs of yourself that you can be proud of, and that will please you and the lucky ones who receive them.

**R. M. KENNEDY**

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Footwear for every occasion  
Sport, Walking and Dress.  
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CITY TAXI

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## John Armstrong Limited

DRY GOODS

95-97 UPPER WYNDHAM ST.

Sunday School Teacher: What killed Samson?

Willie: Falling arches. —*Life*

The wife of a certain bishop was very ill, and required a serious operation. As she recovered from the anæsthetic she was heard to murmur: "Am I in heaven? Am I in heaven? No, there's John."

## O. V. C.

ment of strangury due to spasmodic stricture of the writhra.

The following case report is offered:

A roan gelding 12 years of age exhibited pain and evidence of Strangury. After two of the village "Quacks", the blacksmith and willing ones attempted passing the cathiter without success the local veterinarian was called. He too met with failure until an old darky approached the gathering and suggested a remedy called honey-bee tea. This was brewed from live honey-bees in a quart of hot water. The horse was drenched with this concoction and in just 17 min. the condition was allayed and the retention relieved.

This practitioner several months later relieved a valuable horse of spasmodic stricture by means of this bee tea, after a well educated brother veterinarian had entirely failed after 12 hrs. trial.

I would particularly call this to the attention of "Dinty" Moore and Art Johnston, others might try it.

Advise your client the medicine is as Apis Mellifica.

## TURN ABOUT

Pat and Mike had got a job on a farm. At dinner a large plate of broth was placed before them. The farmer's wife, however, had laid only one spoon, so Pat seized a fork, with the result that he was getting nothing.

When the plate was about a third empty Pat said—"Now, Mike, you dig a bit and I'll shovel."

## Snap Shots

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Developing and Printing  
EIGHT HOUR SERVICE

Kodaks

Waterman's Fountain Pens



## Alex Stewart

DISPENSING AND FAMILY  
CHEMIST

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PHONE 190

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Established 1871

Complete Banking Facilities  
and efficient service assured.

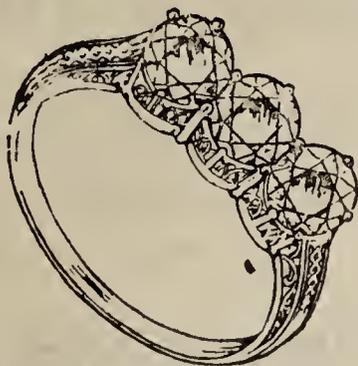
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Interest allowed on deposits and paid  
or added to accounts twice a year.

GUELPH BRANCH,

A. H. Bazett, Manager.



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After she has made you happy  
with one little word, make her  
happy by choosing the cherish-  
ed token from our special dis-  
play of Engagement Rings.

\$25 to \$500

## Savage & Co.

Leading Jewelers  
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## NORTON

*Where Quality is Paramount*

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Finest Lines of **STATIONERY**  
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ada for your Inspection.

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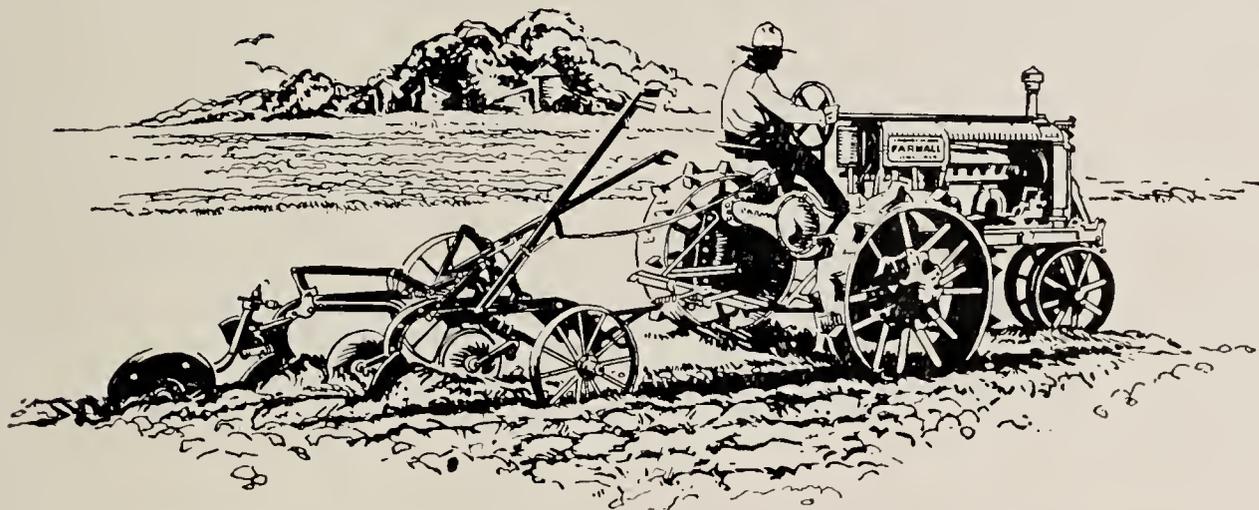
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