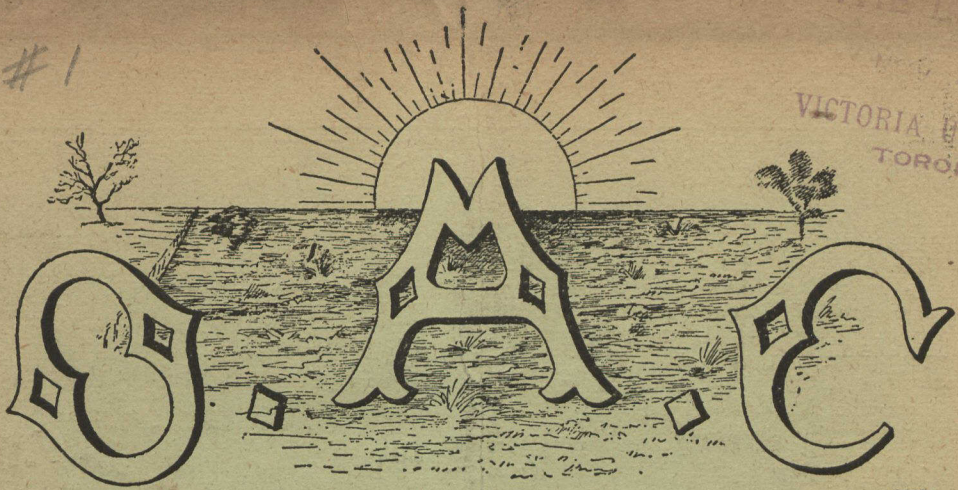


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VICTORIA UNIV
TORONTO



REVIEW



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The O. A. C. Review

Published monthly during the College Year by the Literary Society of
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The dignity of a calling is its utility.

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Ontario Agricultural College, Guelph, October, 1899.

No. 1

Editorial.

THE many generations of students which have taken hold of the O. A. C. Review since it first appeared on the battlefield had in view a certain ideal toward which they strove. Accordingly, each year has witnessed a marked improvement, a step onward. Yet, although progress was accomplished, the realization—as is always the case with human nature—fell short of the conception, and a large area of the field which lies before us is yet untouched.

But here some one may say: What improvements can you hope to effectuate? Is not a college paper confined within narrow limits, which it would be folly to attempt to pass? That a college paper cannot aspire to become as interesting as certain magazines is certainly true, but that these limits within which prejudiced critics would see it restricted cannot be enlarged—that its sphere of influence cannot extend outside of the College walls is what we deny. We claim that there are possibilities to render our paper such as it ought to be: an organ which all could read with interest and profit. Especially is this true of the O. A. C. Review: An organ founded upon a basis as firm and as true as agriculture—this art of which all sciences are slaves—a paper used as a training school for future agriculturists—the brightest hope of this country of ours—is bound to progress, and to circulate not only among College students and ex-students, but among all those who take an interest in agriculture.

Yet, while believing these facts, we are fully aware of the difficulties which lie in our path. We know that two-thirds of the average College paper generally consist in facts uninteresting to the outside world, comprehensible only for those who live within the alma mater. We know also that a part of the duty of the College paper is to record all these events, the importance of which can be understood only by those who have once enjoyed College life. But while giving

these facts the place which belongs to them, we have this year greatly increased the space given to other matter. Besides some standard, up-to-date, agricultural articles which have always been the Review's strength in the past, this paper will henceforth contain some essays from well-known authorities on some literary subject. Through the kindness of Dr. Shuttleworth, we are able to present our readers an article on "German Student's Life," which, we are sure, will be thoroughly enjoyed. Each succeeding number of the Review will contain a similar literary treat, besides the articles, always so well appreciated, from the ex-students.

This new order of things has not been created without involving a larger financial outlay, but we hope that our efforts will be met by a increased number of subscribers. We are making the first step, let all those who can afford a year's subscription to the Review meet us.

ANOTHER holiday season with its many opportunities for profitable employment and pleasure has come and gone, and we are again brought face to face with hard work. The opening days of the session are always busy ones. In addition to making preparation for the year's work, there are the various societies lated energy, resulting from the wisdom gained, the advancement made and the to be re-organized and officers to be elected. The Review staff, in common with the others, has been subjected to the reconstruction process, and even the Review, itself, has not escaped intact, but is henceforth to be issued in a new form.

We wish to thank all our old subscribers for their patronage in the past, and hope that they may be induced to renew their subscriptions at an early date. Remember that our columns are open at all times for contributions on topics, educational or otherwise, and we shall be pleased if any, who can, will communicate with us.

We invite the co-operation of all ex-students in assisting us to make our College magazine discharge one of its most important functions, that of strengthening the bonds of union and good fellowship between students and graduates, that both may stand united to uphold the honor of their alma mater.

Looking about us, we are met by strange faces in the College halls and on the campus, while many of the old familiar forms whom we were used to greet are nowhere to be found, having gone forth into the world to begin life's struggle and fight life's battles in real earnest.

We wish all of you who thus have gone from us to remember that, although absent, you may not be forgotten. We would remind you that by subscribing for the Review, you can keep in close touch with life at the College, and hear frequent reports of your former class-mates. Our monthly visitor will awaken memories of the past, cause you to think of the good times spent at the old College, and help you to recall the scenes of sport and jocularly in which you there participated.

German Student Life.

BY way of introduction to a short article on student life in Germany, a little may be related about German children and the kindergarten. Regular attendance at school is compulsory after the child reaches six years of age. Previous to that age, the children of professional classes attend private schools, or the kindergarten, though chiefly the former. There are in Germany only a few Kindergarten schools, which are chiefly in the larger cities and attended by children of non-professional parents. The few there are, however, are true to name, each being in reality a children's garden of roses, play grounds and school rooms. The little boys and girls gather at nine o'clock in a big circle with the teachers in the open air in the garden, where a happy hour is spent singing and playing together, after which all retire to the rooms. Whether the child attends a kindergarten with fifty to seventy other children or a private class of eight or ten, his training is natural, intended to develop the little brain in a healthy, strong body. The elements of obedience, respect, and honor are very marked in the character even of these little children. These children are not spoiled children.

Parents with little means send their children when they become six to the *volks schulen*, volks schools, which are free. These schools are numerous and largely attended. Both boys and girls attend them from six to fourteen years of age. Ninety children is the greatest number any teacher is allowed; more calls for another room and teacher, and eight teachers, another building. These schools open in winter at 8 a. m. and in summer at 7. Many of these children (almost all the boys) earn a little by carrying or delivering parcels, etc., before or after school and on holidays. Their teachers do not expect them to study out of school, knowing that they have in this or some other way to assist their parents in earning a livelihood. At the age of fourteen or soon after, these boys and girls, who have received a fairly good education for their station in life, seek employment as servants, as factory hands, or as apprentices to trades. They are, however, contented apparently with their lot, having had no thought whatever of reaching any of the higher positions, which are practically unattainable by these young people. How different is the condition in America? The hope, if not the ambition, of parents and children alike is that the school will lead out of the industrial into the professional circles. May the time come that we educate the young for the positions they are to fill in life and honor and respect, worth and character, whether they be found in those who serve or in those who are served. Then no true man or woman will dream of offering an apology for his or her occupation, being conscious of worth and character, the worthiest elements for respect. True respect comes from the respected.

Children of the Volksschulen, then, do not become the students of Germany. German students come from the Realschulen and the Gymnasia, but especially the latter. Both of these schools give long thorough courses lasting through a period of nine to ten years. These schools differ from each other chiefly in this respect: The course in the Realschulen is for occupations not requiring a university training, while that in the Gymnasia is a most thorough preparation for everything which the university teaches. The former includes no Greek or Hebrew, a shortened Latin course, and modern languages; the latter emphasizes classics and mathematics.

These two classes of schools turn out the young men who, entering one or other of the numerous universities, become the students of Germany.

As pupils these young men of nineteen to twenty-two years of age have been for twelve to fourteen years under the strictest discipline. They naturally enter into student life with a mingled feeling of relief and pride, and filled with a peculiar spirit or enthusiasm, *esprit de corps*. Every young man of physical health and strength must serve one or two years in the army, which service develops great strength and manliness of bearing. Students, however, are required to spend only one year in the army, which service is given after twenty-one years of age. Therefore, German students are gentlemen, scholars and soldiers. There are in connection with student life in every German university, associations, the *verein* and the *chor*, which have existed as long as the universities themselves. A *verein* is something of the nature of a literary society and the students of each faculty and department have their *verein*; but a *chor* is a much closer association, and there may be as many as nine, belonging to a single university. The *chor* to which a student's ancestors belonged is in many instances the one he joins. Each *verein* meets regularly, usually once in two weeks, professedly to discuss and debate subjects of interest to the *verein*, which of course is done, but in reality to have a good time together. The literary part of the proceedings is over usually between ten and eleven, but the members seldom disperse before one or two o'clock in the morning. The members of each *chor* possess in the meantime their own house, which is the property of the *chor*. All the members of the same *chor* are dressed alike, who are very intimate associates.

Most German students for the first two years of university life, spend the greater part of their time in what they call *gesellschaft*, *i. e.*, together in the *chor* or the *verein*. During the summer season, which is practically from 1st May till 1st November, the members of each *chor* will spend two or three evenings a week in one or another beer garden, where, while listening to most excellent music, they eat, drink and converse together.

Duelling is a feature of great attraction in every *chor*. Friendly duels are fought between the members of a *chor*, presumedly to settle disputes and misunderstandings, but in reality for promotion. Five o'clock on Saturday morning is the time, and some retired building specially constructed for the purpose, is the place selected for a duel. They are fought with narrow bladed sharp swords in the presence of a physician and one or two hundred spectators, who are admitted by card.

It is possible to fight several duels without receiving a wound, but each duellist is most likely to receive wounds about the head of one or two inches in length even to the bone. In these friendly duels, the eyes and vital parts are protected. It is quite common to meet a German student, however, whose scalp, cheeks and ears, are furrowed with scars. But duels of another class are occasionally fought, which have sometimes ended fatally. These, however, are the result of some real offence.

Most German students then spend two years of their student life in a most remarkable way. Lectures are attended during this period very irregularly, and little real work is done. It is, however, regarded as a period of valuable experience between hard study in the gymnasium and earnest university work. It is largely owing to the broad and thorough training which the young men have received before entering the university, that they can devote this portion of their university life almost entirely to club exercises, customs and attractions.

As a body, German students are very much respected by their countrymen. While their duelling and beer drinking customs are to us offensive objectionable habits and practices, they possess a manliness of bearing, a politeness to everyone, and an honor which impress us with respect for them. Every student feels that he himself is responsible for his own conduct and actions, and in the midst of the temptations and enthusiasm surrounding him he is always reminded of his honor, the reputation of his name, and the respect and rights due to others.

A. E. S.



Agriculture.

Water in Plant Feeding.

WATER plays an important role in the economy of the plant. Chemical analysis show that it is the most abundant ingredient in living tissue, frequently constituting as much as ninety per cent. of the growing plant. The physiological processes require large amounts as is evidenced by the experiments of King, who found that under ordinary field conditions corn, clover, barley, oats, peas and potatoes, on an average used four hundred pounds of water for every pound of dry matter produced.

It is characteristic of plants that they can absorb only food which is liquid, and usually food which is held in weak solution. Let us see why this is.

Whatever they take up has to pass through closed cell-walls. In some low organisms absorption apparently takes place to an equal extent at all points of their surface, but in higher plants we find certain organs especially differentiated for this purpose. These are the roots. As an expression of the adaptability of plants to their environment, roots present four modifications, which we may distinguish as land roots, water-roots, air-roots, and the roots of parasites. The latter penetrate the tissues of their host and fuse with them, thus affording a communication through which the parasite obtains its supplies. Air-roots have variously modified structure which enables them to utilize the moisture of the air and the soluble portions of the dust that collects upon them. Water-roots absorb only free water. Land-roots are able to take up the capillary water of the soil, that is, the water held by each soil particle as a surface film. They penetrate this and being able to overcome the force of adhesion existing between the soil grain and its watery coat adapt the latter to their needs. The active parts are the root-hairs and young portions whose walls have not been made impervious by deposits of cutin.

To illustrate the process of absorption it is customary in the laboratory to make similar experiments to the following: To test tubes of distilled water, add respectively sugar, salt, copper sulphate and red lead. Warm gently for a few minutes, then filter and evaporate to dryness. The first three dissolve and have no residue on the filter paper, but are precipitated from the filtrate by evaporating. The red lead colors the water without actually going into solution and is strained out by filtering. These conditions are analagous to those of the plant. Only substances that are in solution in the soil water are available for plant-feeding.

The diffusion of the liquids through the cell-wall into the plant tissue is a molecular phenomenon closely allied to solution and evaporation, and technically known as osmosis. Cover the large end of a thistle tube with a tightly stretched membrane such as ox-bladder, which has been soaked in water for a few minutes. Fill the bulb of the tube with a concentrated solution of sugar, and fasten upright in a cylinder of distilled water in such a position, that the surfaces of the liquids are level. Note the rise in the tube. When liquids of different densities are separated by a membrane, which they are capable of permeating, there is a tendency for them to equalize. Thus, in the case in hand, a large amount of water has been drawn in to dilute the sugar solution, while a small portion of the latter has passed out into the cylinder as can be ascertained by testing. The amounts conveyed in each case may be the same or they may vary widely for it has been found that the affinity, mobility and density of the liquids, and the nature of the membrane influence the relative exchanges.

The concentration of the cell-sap is only slight, and this explains why it is that plants can only make use of food in weak solutions. In strong solutions there would be an egress of water from the roots and the plants would collapse.



Athletic Notes.

A MEETING of the Athletic Association was held soon after the College opened, for the purpose of starting the wheels of athletics afresh. At this meeting it was deemed advisable to substitute Rugby for Association Football. It cannot be said the change met with approval from all sides, as the old love of Association still lingers in the "feet" of some. But Rugby being decided on, let every member of the Association do all that lies in his power to increase the interest in the game. For in this way, and in no other, will success be achieved.

Our first match was played on Saturday, October 14th, against Galt on their grounds. Although we suffered defeat, it cannot be denied, that with a little more practice, the team will render a good account of themselves, when the return match is pulled off on Saturday, October 28th.

The College team was as follows:—Full back, Somers; halves, D. Russell, Squirrell, and A. B. Clarke (Capt.); quarter, Suckling; scrimmage, Burnett, Ling and Hare; wings, Weir, Hutton, Dryden, Goble, Parker, Rowat and Ross.

The day which is looked forward to with a great deal of pleasure by every student, is the annual Field Day. On this day the athletes of the College battle for honors, in the different sporting events, running, jumping, etc.

This year the Athletic staff have arranged to hold the annual field day on Friday, October 27th, and by the way in which the boys are training, we feel confident that the sports will be well up to, if not above the average.

The officers of the Association are as follows:

President—W. A. Lunclater.

Vice-President—C. E. Mortureux.

Secy-Treasurer—Parker.

Committee—Goble, Hollis, Weir, Dryden and Atkinson.

The sports in the Royal City conducted by the Cross Country and Road Race Association, on Thanksgiving Day, were an unparalleled success, and especially so on the part of the competitors from the College.

Twelve of our boys toed the scratch; of that number nine were successful in obtaining prizes.

In the Walking Race, Sugden, carried off the 4th prize; Williams, the 5th and Atkinson, the 7th prize.

Our boys did even better in the 10 mile Cross Country, for in this event they seemed to have everything their own way as the following shows:

1st, Mortureux; 3rd, Waters; 4th, Stevens; 6th, Parker; 7th, Rowat; 8th, Russell.

The O. A. C. Review.

EDITORS.

E. J. MacMILLAN, Managing. C. E. MORTUREUX, Asst. Managing.

E. C. DRURY and J. M. READE, Agricultural.

B. S. PICKETT and F. S. JACOBS, Local.

J. R. HUTCHISON, Personal. J. B. ANDERSON, Exchange. J. H. HOLLIS, Athletic.

G. H. HUTTON, College Reporter.

Business Managers.

J. McA. RUSSELL, Secretary. P. G. MILLS, Treasurer.

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Advertising rates on application.

Ex-students are requested to contribute to our columns.

OCTOBER, 1899.

Athletic Notes—continued.

As usual on such occasions, Dr. Reed upon the "old grey mare" was a very prominent figure. It was his duty on this instance to show the runners over the Cross Country course. The "old mare," on the start, seemed full of the metal of her younger days, but at the finish there was another tale to tell, for the "old grey," hard pressed by Mortureux, began to lag about a mile from the post. So the duty of showing the runners the remainder of the course fell upon Mortureux, which he did in very able manner.



College Reporter.

October Review.

AGAIN the flag of welcome flies from the College tower. The rooms in the residence are all taken, while with the applications in and students present, all the obtainable room in the vicinity of the residence will also be occupied. The dining room is full and keen appreciation is felt and expressed as we daily receive the same old manna Moses had in the wilderness. Yet we speak of progress! Certainly, not only do the students of the O. A. C. give evidence of being well favored, but no doubt their mental capacity is enlarged and kept clear by the well-tried, time-honored routine.

The summer has been one of improvement in grounds and buildings, while staff and students are prepared to commence work with all the force of accumulated energy resulting from the wisdom gained, the advancement made, and the greater facilities for further development. During the summer the fittings in the Experimental Museum have been put in place, and the many fine cases are now ready to receive the samples of grain, roots, and tubers to be placed therein. These representative samples are intended to teach by comparison, and will represent the careful work of years, which is certainly a forceful way of giving instruction to students, farmers and all those interested.

Excursionists in large numbers visited the College and Farm during the past season. They could not fail to make a comparison favorable to scientific agriculture this year, when so many crops on surrounding farms, and in fact throughout the country, suffered so severely from the dry weather. This may account in some measure for the large attendance of Freshmen this year, for a great many men require very strong evidence to the value of an agricultural education before their prejudices against the College can be swept away. This is not due merely to the good work of the farm, but also to the work done by ex-students, who have done much to prove the power of science when applied in practice.

The Horticultural Department has been engaged for some time in putting up fruit for the Paris Exhibition. Some varieties of apples are still coming in, and a very fine collection of fruit has been made. Many of the prize-winning exhibits from the Toronto Industrial Fair were secured, and prominent fruit-growers have been sending in first-class samples of the various kinds and varieties of fruit from different sections of the Province. As one looks at the

beautiful array of canned fruits, pears, quinces, peaches and apples, his heart is sad because the preservative destroys the eating qualities. There are, we understand, six stations thus preparing fruit, and we predict that Canada will win high laurels as a fruit producing country, at the coming World's Fair.

On October 3rd the senior students met in No. 1 Class Room, to choose the officers for the Literary Society, for the coming academic year. The following were elected:—

President—J. M. Reade.

Vice-President—B. S. Pickett.

Secretary—J. McA. Russell.

Treasurer—L. A. Moorhouse.

Critic—E. C. Drury.

Committee on Programmes—C. E. Mortureux, W. J. Black, F. S. Jacobs, D. H. Russell and C. C. Chadsey.

The Literary Society is one of the most beneficial organizations that influence our college career. It develops independence of thought and self-reliance in giving expression to our ideas—two qualities which are much needed and highly appreciated in the world to-day. An interesting series of speeches is now being given by members, who give a weekly review of the diplomatic relations between the contending powers of the Transvaal. Two good reviews have already been presented to the Society by L. A. La Pierre and A. J. Wagg. A debate will also be held on the justice of the war. From these signs we would gather that the staff of the Society intend making their meetings a decided success by keeping abreast of the times, and by holding out to members an inducement to do likewise. If all men on the programme from time to time will do all in their power to make the meetings a success, each man will make the Society a stepping-stone to higher things.

Mr. C. A. Zavitz, B.S.A., our experimentalist, has issued an ex-student's register, in which all men who recognize the O.A.C. as their Alma Mater, may have their names enrolled. The register is printed in three columns, one with the names of all the students who have attended the College since its inception; the second a blank for addresses, and a third for the occupation. One of these will be sent to ex-students whose addresses are known, with the request that they fill out as far as they are able. This list will be sent out from year to year to be revised, and thus an accurate and valuable record may be kept of the progress of all students who at any time frequented the College halls.

The next annual meeting of the Ontario Agricultural and Experimental Union is to be held at the College, commencing Wednesday evening, December 6th, and closing Friday afternoon, December 8th.

The College has now been established for twenty-five years, and as several ex-students desire to make the twenty-fifth anniversary of our Alma Mater an occasion of special interest to all those who have been connected with the College, it has been decided to celebrate this Quarter Century Anniversary in connection with the Union meeting.

We are pleased to state that arrangements are about completed with the railway companies in Ontario, by which those who purchase a first-class single fare ticket to Guelph and get a standard railway certificate from the ticket agent at the starting point, may return free of charge. Full particulars will be printed with the programme of the meeting.

The "Old Boys" will naturally desire to meet as many of their College mates as possible and should, therefore, endeavor to induce them to come to the meeting. Let us work together to make this gathering an occasion to be long remembered.



Personals.

Readers of the Review will please bear in mind that the plan adopted last year, of placing opposite names of students the year in which they entered College, will also be followed this year. As a number of the students remain at the College only one year, the old plan of placing after their names the year in which they would have graduated is often misleading.

One of the changes about the College this fall has been the resigning of the Farm Superintendency, held by Mr. Rennie. During the past six years the position has been held by Mr. Rennie, who gave his whole heart to the work of improving the farm from a practical and also an artistic point of view. The farm has increased wonderfully in productiveness under his skilful management, and its appearance has been much improved by the removal of cross-fences, building of good roads and line-fences, and by the planting of trees.

Mr. G. E. Day, B.S.A., has been appointed as his successor and will continue to carry on the good work. Prof. Day, in undertaking this work, has found it necessary to have an assistant

W. J. Price, B.S.A., who graduated last year, has had the honor to be appointed to the first "Fellowship" in Agriculture. Mr. Price took the highest honors of the year, and will, no doubt, make his mark as a scientific agriculturist.

Prof. F. C. Harrison left the College last June to pursue original work in Bacteriology. He first spent some weeks in London, then at Trinity College, Cambridge, and is now at Berne, Switzerland. The wonderful strides which have recently been made in the science of Bacteriology render it necessary for those who follow it to visit the best institutions.

W. P. Gamble, B.S.A., '94, has returned to the College to assist in the chemical department until Christmas, after which he will return to McGill, to resume his studies for the degree of B.A.Sc. Mr. Gamble took his special in chemistry, and made a high mark in both special and general course. Success is said to attend qualities of pluck and perseverance. If so, we predict great things for Mr. Gamble's future.

J. J. Ferguson, B.S.A., '91, has gone to fill the position of Instructor in Dairying and Assistant Professor of Live Stock Husbandry at the Michigan Agricultural College. Mr. Ferguson was a silver medalist in his year. Since he was graduated, he has been engaged in farming with his father, at Smith's Falls, Ontario, giving special attention to dairying and the raising of pure bred hogs. He has done very acceptable work on the Ontario Farmers' Institute staff, and

last year in the Maritime Provinces. We believe that the Michigan Agricultural College has been very fortunate in securing the services of a man of such practical experience.

Geo. Harcourt, B.S.A., '86, editor of the *North West Farmer*, Winnipeg, has done considerable lecturing during the past season at Farmers' Institutes throughout Manitoba and the Territories. The paper has shown a decided improvement since Mr. Harcourt took charge of it.

W. J. Elliott, B.S.A., '95, who has been engaged in the dairy business at Island Lake, Lyon County, Minnesota, is now at his old home in Seaforth, Huron County, Ontario. We were favored with a visit from Mr. Elliott during the early part of this month. Billie is looking well and seems to have as keen an interest in athletics as ever, which was manifest by the manner in which he joined in the football practice.

W. B. McCallum, B.S.A., '91, is attending Chicago University. He is specializing in botany, paying particular attention to Ecology and Morphology. He spent a month or so of the past summer in the northern part of Michigan, under the direction of Dr. Cowles.

W. J. Kennedy, B.S.A., '96, who spent two years at this College before graduating at Iowa Agricultural College, has now been appointed to an eminent and responsible position on the staff of the Illinois Agricultural College. W. J. is a Professor of Animal Husbandry, and since taking charge of his department has proved himself capable of filling so important a position. We wish Kennedy every success in his new field of labor.

Among the more pleasant news that has reached us from ex-students, is the marriage of Mr. T. J. Hurley, '90, of Belleville, son of Mr. J. M. Hurley, M. P., to Miss Lizzie Sweetman, daughter of Mr. Nicholas Sweetman, of Frankford. We wish for Mr. and Mrs. Hurley a very prosperous and happy future.

H. H. Hume, B.S.A., who has had the position as assistant biologist in the Iowa Agricultural College, has lately gone to Florida. He is now professor of horticulture and botany in Florida Agricultural College.

A. G. Hopkins, B.S.A., has the position of Lecturer in Agriculture and Veterinary Science in the Wisconsin Agricultural College.

T. B. Balfour '93, paid a visit to the College a short time ago. Mr. Balfour is in the fruit and poultry business at Amherstburg, Ontario.

J. W. Crow, '97, who has spent the summer in his father's office, paid the College a visit on Thanksgiving Day. Mr. Crow had intended to complete his College course this year, but on account of the pressure of the work at home, has been unable to do so.

G. B. McCalla, B.S.A., '95, spent the summer collecting specimens of the fauna and flora of the Canadian North-West. He returned to his home in St. Catharines during the early part of the fruit season.

Local.

Man wants but little here below,
Nor does it seem to me,
These wants include a knowledge
Of organic chemistry.

The study of the carbon compounds,
Worries us day by day;
We tear our hair in grim despair,
As well we may.

Methan, Ethane, Propane, Butane,
All distress us so;
While Halogens and Aldehydes
Increase our woe.

But our Professor's views,
Are not the same as ours;
Vast, wonderful and wide the field
Of organic chemistry.

Oh, could I on the wings of morn,
Arise and fly so free,
I'd hie me far from traces
Of organic chemistry.



Some Things We Would Like to Know.

Who is the most popular man in the College? Rowat.
What's the matter with the referee? Ask Suckling.
How Jack and Goble enjoy their grain rations?
Did Job ever study Organic Chemistry?
Who upset the upper Panton fellows out of bed?
Who sent Routley the goose bones?
Who is the typical smoker of the O.A.C.? Shylock.
What was Wordsworth doing in the bush during the cross country?



Our friend Texas says the only drawback about his boarding house last month was a very peculiar breed of mosquitoes, who used to bite him during the night, under the bed clothes.

Monday morning Bulletin Board: Cleal and Armstrong fined \$1.00 for using unnecessary gas.



Our milkman, Ikey, has gone into the ice business and purchased an ice-waggon.



At the Lit.: Wagg, unprepared for the recitation he was to give—I think there must have been some other wags in this.



It seems to be Jack R——'s opinion, from all we could gather, that the less said about the city socials the better.



Can any student here tell Mr. McGugan when the celery will be ripe?



Professor, to busy second-year students: "You might have prepared your specimens on rainy days."

Russell—"There were no rainy days this summer."



Notice—Dr. Roberts, professor of pianoforte and singing. Latest music and songs. "The Maple Leaf," and "Just One Girl."

All who take lessons will be treated to maple sugar and Shylock's grapes.



Any one finding a voice about the College or the Campus, will kindly return the same to Texas.



Agricultural Class—Professor Crerar: "As soon as the corn has started to grow, do not neglect, gentlemen, to go over it frequently with a *weeds breeder*."



Echoes from Sir Wilfred Laurier's Visit.

Andy—"Will any body volunteer to take the place of Sir Charles Tupper, so that we can hang him up?"

Twelve first year men, having had the honor to shake hands with Sir Wilfrid, have pledged themselves never to touch a drop of water for a year.

Jimmy—"Wonder if Sir Wilfrid could not stop the consignments of Boer meat to the College?" Boys in chorus: "Let's ask him."



A young man from Jamaica vainly searched throughout the town for a pair of stiffeners for his Sunday pants.

Roll Call, Monday morning—Gentlemen....Gentlemen, kindly remember this is Sunday morning.

What had our worthy resident master been doing the day before?



The boys working at the chemical department have found a new job, mangling beets. In the same way those at the barn are beating mangles.



Put your arm around me, Mr. Stewart!!!



Young Kalamazoo is all right, thank you.



Heroic Rescue.

- I. An old cow, feeling quite fresh.
- II. A warm, moonlight night—a reservoir full of inviting water.
- III. Splash! Let's go in for a swim.
- IV. Cramps!!!
- I. Two young ladies.
- II. Oh! my! Oh! my!
- III. A tug-of-war rope.
- IV. O, heave! O— heave!
- V. Two medals from the Royal Humane Society.



From his studies in organic chemistry and in mensuration, Parker has concluded two things—

- I. That sour ensilage containing acetic acid should be fed in order to get pickled beef.
- II. That the sign || means an indefinite quantity.



Overheard between Sport and his girl—"Do you suppose, Mr. Clark, that you could get your feet into this ash barrel?"



Sport has decided to get a set of new front teeth, for, he says, "Without them, the sensation of kissing a girl is not half as fine."



Our friend Sharp set to work in earnest one Sunday morning, and wrote two long letters. One was destined to his father, and contained, among other things, an urgent request for a round sum of money, as he had—wrote he—spent his first supply in order to conquer the favors of Guelph girls. The other letter was for his girl—a little brunette in far-off Jamaica, and consisted in six pages full of protestations of his unalterable love. He had just finished when the agree-

able sound of the dinner-bell caught his ear. Sharp hates, before all things, to be late for dinner. Yet for once duty spoke louder, and he enclosed and addressed his letters before going, though in a great hurry. But the missives were hardly gone when an awn thought struck him: Had he sent the right one to the right person? Poor Sharp, his doubts were confirmed when the answers came. No money--no more girl. Now he swears he will go to church on Sunday morning.



The presence of two Gums in the College has evidently been too much for Crowe and Eagle, and they have not considered it advisable to return this year.



Wanted.—A convenient device for preventing self-fertilization in a large orchard. All inventions of the sort are to be submitted to Estyhithes for approval, before next season.



Exchanges.

This month our exchanges were less numerous than what may be expected in later issues of the Review. We are glad to welcome back at the beginning of a new session, some of our old exchanges. We acknowledge: *Acta Victoriana*, *Varsity*, and *Trinity University Review*.



The Cow Bells.

Not because of their own music
As they tinkle down the lane,
But from memories interwoven
Would I hear the bells again,
With their jingle, jingle, jangle,
As up from woodland tangle
Bess and Moll come home.

Melody, I've heard that's sweeter,
Swelling from the thrushes' throats;
But there's country, peace and quiet
Mingled in the cow-bells' notes,
With their jingle, jingle, jangle,
As up from woodland tangle
Kate and Nell come home.

Possibly because I'm weary
Of a city's ceaseless strife,
That my heart swells out in longing
For the quiet rural life,
Where, with jingle, jingle, jangle,
From lowland, dell and dingle
All the cows come home. —E. D. P.



October *Acta Victoriana* contains a splendid article on College Journalism, which deals thoroughly with the subject, and we recommend it to all interested in the editing of College Journals or Magazines.



Emerson has said, "Hitch your wagon to a star." A more homely way of expressing the same sentiment is this: "It is better to shoot at the sun than at a church steeple." Ideals express our better selves, and while others endeavor to laugh us out of the sentimentalism which inspires them, it is for us to press towards them through ten thousand hindrances, until crowned and laurelled, we stand in the presence of victory —E. r.

October is to the College student in general, and to the amateur "literateurs" of the College Magazines in particular, a month of planning and "forward-looking thoughts." While these may be at times vague and visionary, and never fated to be realized, let us hope that in the year the efforts of the editorial boards in our sister Colleges may be crowned with success, and College journalism show itself worthy of a place among the factors that mould our national thought and literature.—*Ex.*

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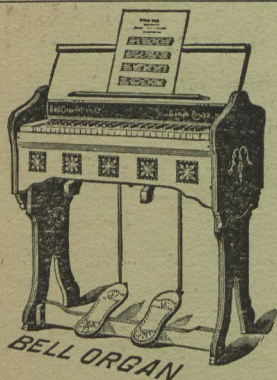


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