

THE UNIVERSITY



VOL. XVIII.

No. 18

University of Toronto.

TORONTO, MARCH, 1ST, 1899.

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THE VARSITY

A Weekly Journal of Literature, University Thought and Events.

VOL. XVIII.

UNIVERSITY OF TORONTO, MARCH 1, 1899.

No. 18

SPRING.

Venus and her youthful archer
On the Winter-King's departure,
And the joyful reinstatement of the Spring;
Will again exhaust their quivers,
Rending hearts and making lovers—
But it is not of such follies that I sing.
Strike the lyre to other measures;
This not a time for mirth;
Immolate your carnal pleasures
In their very hour of birth.
Ten more weeks, and all your powers
Will be on the Spring Exams.—
Yes, the Spring may yield some flowers,
But it yields more *cryptogams*.

VERE '02.

THE RESIDENCE.

The great want, to whose supplying the energies of the Faculty are bent, in many Universities, is that of a College Residence.

In Toronto we have it, and have it not, and no one seems to worry very much about the matter. We have a Residence, "The Residence"—it is painted up in good large letters in an archway in University College, but it does not contain more men than some other boarding-houses in the city, nor does it more truly represent University life and thought than does the average boarding-house.

We have in the University College Residence accommodation for 42 students, but only half the rooms are taken. Is it that the students of University College, unlike those of Wycliffe, Knox, and St. Michael's, who have Residences and live in them, prefer the life of the common boarding-house, or is it that the present Residence cannot be made attractive to the students?

No one, who has taken part in student life, even as a sympathetic outsider, and has heard their complaints of unsatisfactory accommodation, and endless migrations, during the term, with the uncertainties and anxieties of house-hunting at the beginning of each College year, will believe there is any cause for the present situation of the Residence question, other than that the present Residence does not offer an amelioration of these conditions to the students.

The causes of this failure are various, but the only one worth considering, because it is that from which all the others arise, is the smallness of the Residence, the fact that at its best it could only house 42 men. If it would accommodate five or ten times as many, it would afford the students a pleasant home, and would be a source of income to the College, not a drain upon it.

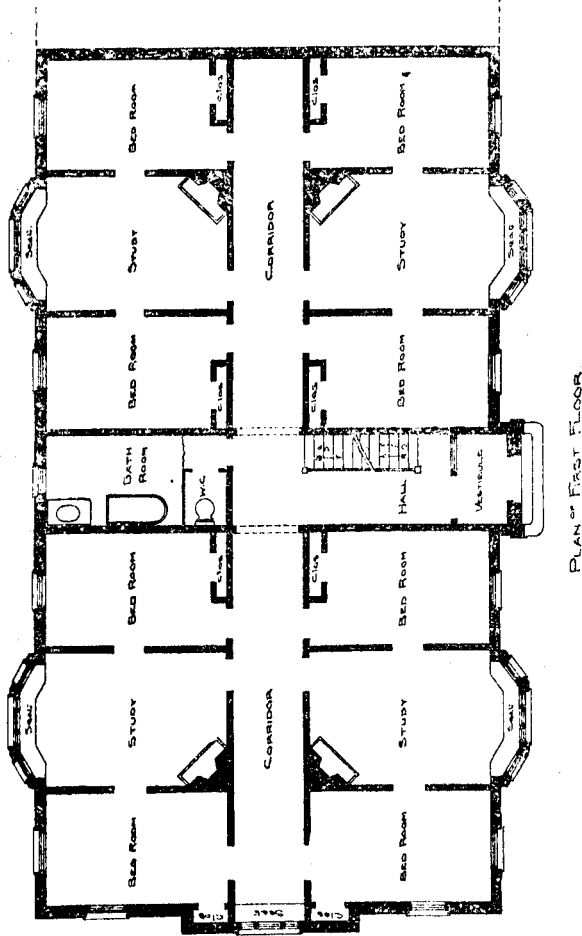
In an article, "The Enlargement of Residence," in the issue of VARSITY of March 10th, 1898, the writer showed that it was impossible for the College authorities to economically remodel the Residence building for any use other than the present, and it was pointed out that the present dining-hall, which would seat 200, and the kitchen, pantries, etc., in which the food for 2,000 could be stored and prepared, would be a total loss, if such remodeling were undertaken. I wish again to call public attention to the fact that rooms may be cheaply added to the present accommodation, and the whole become a profitable investment of University funds from its opening.

The profits are estimated upon a basis of an average rent of \$1 per week from each student, and a charge for board of \$3 per week. The estimate of the cost of the building was made by Messrs. Bond & Smith, architects, Temple Building, Toronto, to whom I am also indebted for drawing the accompanying sketch plan. The estimate of the cost of provisions, etc., was submitted and approved by the Harry Webb Co., Ltd., whose manager, Mr. Barker, is recognized as the leading authority in Toronto in matters of this kind.

It is proposed to utilize the present building, as far as possible, the chief change in it being the removal of the present corridor, and the substitution of a passage on the level of the basement, the top of which would form a terrace, and would be used in fine weather as at present, the basement passage being for use in wet weather, and after the locking of the gates. The new building will run north, beginning about 100 ft. from the present building, along the edge of the campus as near St. George Street as possible, and have a basement corridor which would be a continuation of the one in the main building. The new building being entirely separate from the main building, and at a little distance from it, with a few trees and shrubs to break the lines, would not be brought directly into contrast with the latter, and so would not require any of the elaborate detail which makes any addition to the present buildings so expensive as to be beyond our reach. A simple structure in white brick, whose chief lines are in harmony with those of the main building, is all that even the most exacting taste could demand under these circumstances. And it is upon such a building that the estimate has been made.

The staircase, or house system, has been followed in the proposed building, as it was in the old one, because it is generally recognized to be the best, though not the least expensive, way of building a College Residence. The units are larger, however, each containing 24 rooms. As will be noticed, the rooms are cut off into groups of four in such a way as to minimize noise, and afford the greatest accommodation. Bath-rooms are provided on each flat. The building is in three flats, the first two being on the Yale plan, of a sitting-room, with each two bedrooms, and the third

(which is not shown), is similar to the present Residence, i.e., has the bed and sitting-rooms combined, an alcove being provided for the bed. The basement of each house will contain a lounging or common room for the use of the students, in addition to trunk and store rooms, bicycle stalls and lockers, servants' room and lavatory. Each sitting-room would contain a fireplace, the halls would be finished in hardwood, and the room floors in birch. Heating would be steam throughout, and the hot water for the bath tubs be supplied from a steam-heating tank in the basement of each house. The cost of such a building is estimated at \$12,000 per unit of 24 rooms; of these units one is shown in the plan. An allowance of \$1,000 for remodelling the present corridor and building the connecting link between the two systems has been considered ample. The five units to accommodate 120



SPECIALLY PREPARED FOR THE VARSITY.

men would therefore cost \$61,000. The estimate is for fire and sound-proof walls between all the rooms, to be built of hollow tile instead of brick. The absolutely necessary furniture and other contingent expenses would not amount to more than \$4,000.

The income from the rent of 162 rooms at \$1 per week for the 32 weeks of the College year is \$5,184.

As the University could undoubtedly borrow money in the open market at 4½ per cent., and with the guarantee of the Government, which there is surely no reason for withholding in such a case as this, at 3½ per cent., the income provided by the room rents will pay the interest on the capital required, provide a sinking fund, and leave a handsome profit which may

be applied to other uses. The entire running expenses of the institution can be paid out of the profits from the dining-room, as the following figures prove.

With board at \$3 per week, and provisions costing \$2, we have a profit of \$1 per week, or \$5,184 per term, to cook and serve meals, provide for renewal of dishes and table linen, etc., heat and light the building, and pay for attendance on the students. The following estimates, under the heads, have been carefully prepared:

Cook at \$25 per month for 8 months ..	\$ 200	
2 Helps at \$8 per month for 8 months	128	
2 Boys at \$4 per month for 8 months ..	64	
Laundress at \$12 per month for 8 months	96	
15 Waiters at \$4 per week for 8 months	1,920	
Steward at \$1,200 per annum	1,200	
Servants		\$3,608
Heating and lighting		1,000
Renewal of dishes, table linen, etc., 20 per cent. per annum on \$1,000		200
		<hr/>
		\$4,808

If we have 162 students in the University College, who are willing to pay \$4 per week for their living expenses, in a College Residence, why should we not have such a Residence?

S. J. ROBERTSON, B.A., '93.

Toronto, February 28th.

A STRANGE DELUSION.

It was 6.15 p.m., the car was uncomfortably crowded, and I had been standing up ever since we had left Yonge Street. Under ordinary circumstances, I would have been cursing the Railway Company for its insufficient accommodation and its frigid cars, but to-night it was different. The reason for this very decided change in sentiment was not difficult to find. Indeed it—or, rather she—was sitting directly in front of me, in what had been my seat, until she came in. It was at the corner of King and Yonge, and a dozen eager men had jumped up at her entrance. (By the way, this incident may serve, instead of a lengthy description, to give the reader a proper conception of her personality. For, when every man in the street-car is so eager to perform the gentlemanly act, the recipient of the courtesy must needs be a paragon. And this one was).

I began to wonder, why on earth she had accepted my seat. It was quite a distance from the door, and there had been several very tempting offers on the way. Moreover, most of the other men were much handsomer than I.

Well, so much was settled, I evidently had her preference. There must have been something about me which attracted her, and I determined inwardly to make the best of my situation. Accordingly, I folded up my paper, put it carefully into my pocket, and took a firm grasp of one of the holders. I knew she was watching me, and I felt, consequently, a little awkward. My hat was rather shabby. Why, on earth hadn't I worn my best one? Then I remembered that my boots needed brushing badly. But I solaced myself with the thought that they were quite out of sight in the promiscuous mixture of skirts and coats. Could it be

possible that my necktie was fringing the top of my collar? A dignified movement of my hand assured me that I need have no fear on that score.

The awkwardness of my position was relieved somewhat when the conductor came round for the fares. My young lady, whilst fumbling in her purse for a ticket, dropped a small parcel, which she was carrying. I was down like a shot before the conductor could stir, and, as I handed it to her, she cast one quick flash into my eyes, and blushing deeply, "Thank you, so much," she said, in a low, sweet voice.

The blushing on her part rather surprised me, though, of course, I took it as a very favorable sign, and felt somewhat encouraged. I began to consider that I had the advantage and was no longer afraid to look at her. I made a careful examination of her features, and apart from her extreme beauty, I decided that she must be very intellectual. In fact I discovered that I had almost fallen in love with my fair unknown.

This condition of affairs continued for some time, and I was growing anxious for fear that the end of the ride would come and find me no further advanced. I longed for something to happen, which would break down the barrier between us. If she would only drop that parcel again, or ask me some question, or do anything, except sit with her eyes cast down.

All of a sudden my desires were fulfilled in a startling, unforeseen manner. Whilst the car was bowling up the hill at a lively rate, and when we least expected it, the lights went out, the speed of the car slackened, and we came to a standstill. For a moment, all was blank darkness. Then, as the dim light from outside shone into the car, I began to discern the outlines of the passengers. A man at the far end of the car, who knew all about it, informed us in a very audible voice: "Power's off." Then I heard a boy behind me whisper softly, "Tell us somethin' we don't know." I felt as if I had been transported to a shadow-world. A sullen chilly silence settled on the passengers. This lasted for a seemingly endless time, till at length a man yawned audibly, and set the whole car into a titter. This served to put everybody into a good humor again, and tongues wagged freely. Now was my chance! How darkness emboldens us! But, do you ask, was I going to take a cowardly advantage of the darkness to speak to a young lady whom I did not know? Yes, I was.

I made a slight movement, bent down towards her, and remarked boldly, "This delay is very awkward, isn't it?"

Her face was shaded by a large hat, so that I could not mark the immediate effect of my words upon her, but her answer was frank and free.

"Yes, indeed! And it must surely be very tiring for you to stand up all this time. Won't you change places?"

"Oh, no! I wouldn't think of it!" I expostulated, as she made a motion to rise.

Then, to change the subject, I added, "Have you much farther to go?"

"Quite a long distance, and I am too tired to walk, or I would. I hope we won't be kept long?"

"I hope so, too," I answered. "I don't mind so much for myself, for I consider it quite a joke but, I suppose you want to get home."

"Yes, indeed, I do," she replied, emphatically, "And I can't see what pleasure you see in it?"

Then I grew very bold. "Why, it's a very great pleasure to me to be talking to you."

She gave a queer little laugh, as I said this, and I saw that she was looking at me curiously.

"You speak quite as if we were old friends, and—dear me—we haven't even been introduced."

"I don't think in our case we need any introduction," I answered, insinuatingly.

"Don't you?"

"Why, no! When you come to think of it, an introduction is nothing but a form. And, believe me, when you came into the car, I felt as if I had known you all my life."

"That's strange, isn't it?"

The absolute candor of her answer suddenly reminded me that I was going too far. The magic influence, which played around her, had been overcoming me. I was head over ears in love.

"Please don't be offended at what I say," I continued, regardless of all around me. "I really mean every word of it."

Hardly had I uttered the last sentence, than to the infinite delight of everyone, except myself, the lights shone out again, the bell rang, and we were off once more. The interior of the car resumed its former appearance, the shadows became human beings, and my young lady emerged fairer than ever. She looked up at me and smiled—such a bewitching smile! Her eyes lit up so brilliantly, and the dimples in her cheek were superb. I thought I read a depth of meaning in that smile. Might it not be love at first sight? Unfortunately the return of the light took away all my boldness, and we conversed on very ordinary topics until we approached my corner. Then I made one more effort.

"I hope I shall see you soon, again? Perhaps—an appointment?"

"Why, of course," and she blushed deeper than ever. "My address is 73 Blank Street, and you may come as often as you like in the evening. Come for tea, you know. My husband knows so few young men that I am sure he would be pleased to see you."

Words cannot express the consternation which overwhelmed my mind at this disclosure. Thank goodness, I was able to control my feelings, before she looked up again. I knew she felt ashamed of the way she had treated me, but it was too late to mend. The car stopped, I said goodnight, and got off, a miserable man.

"Let this be a lesson to you, my boy," I said to myself, on the way home. "Beware of beautiful women, they're like spiders."

SPECTATOR, '02.

What about vacation? Are you interested in a guaranteed salary, if so, call on A. C. Pratt, 509 Temple Building.

Some of our prize winners, vacation, 1898:—Geo. McConnell, Victoria University Scholarship, covering year's expenses; T. E. Meldrum, McMaster University, No. 1 Bicycle; J. McGregor, Toronto University, Encyclopedia; Geo. E. Brownlee, Diocesan College, Montreal, No. 1 Bicycle; M. J. McPherson, Dalhousie University, Halifax, Scholarship covering year's expenses; C. C. Abord, Mt. Allison University, Sackville, N.B., Empire Typewriter. Remember we guarantee a salary to students for vacation. If you are interested, talk to these men, or call on A. C. Pratt, 509 Temple Building.

The News

FRIDAY NIGHT—Constitution night at the Lit.
WEDNESDAY, MARCH 8th—Assault at Arms.

FRIDAY NIGHT AT THE LIT.

The Students' Union Hall was fairly well filled last Friday evening, with an appreciative audience, assembled for the purpose of listening to the first debate which has ever taken place between Queen's University and University College. There were not many Varsity students present, the majority of those present consisting of people not in actual Academic life. It is to be regretted that Varsity students did not turn out to the debate in greater numbers.

The chair was taken promptly at 8 p.m. by Prof. Wrong, and to his right and left sat Rev. Dr. Milligan and Prof. Alexander, respectively. The chief event of the evening was, of course, the debate. The subject was "Resolved, That Imperial Federation is practicable and advisable from a Canadian point of view." Messrs. Robertson and McDonald, of Queen's, were to have been the affirmative speakers, but on account of both of these gentlemen being ill, they were unable to act, and so Messrs. Cannon and Anthony were sent in their places. The latter gentlemen made excellent substitutes. Messrs. Fisher, '09 (Arts), and Laidlaw, '00 (Arts), represented University College.

In opening the debate the affirmative leader, Mr. Cannon, began by defining what is meant by Imperial Federation. The latter is a union between the Mother Country and Canada, which gives to Canada a fair share of government. Now the present condition of things in Canada cannot last forever, since the people of Canada are seeking for nationalization and perfect legal freedom. Now there are three courses open to Canada. (1) Annexation with United States. (2) Political Independence. (3) Federation with the Mother Land. Of these three there is only one practical, and which appeals to the hearts of the Canadian people. This is the last. Continuing, he admitted there were difficulties in the way of Federation, but he said these could be overcome. He closed his speech by setting forth the benefits and advantages which Canada would derive from a union with England. The great defect in his speech was this; he did not offer a scheme by which to accomplish Imperial Federation. Mr. Fisher, the leader of the negative, began his remarks by saying that the affirmative, in order to prove their case, must show two things: (1) That the existing state of affairs is unsatisfactory to the Canadian people, and (2) That Imperial Federation will benefit us. In a clear, logical fashion Mr. Fisher proceeded to show that the existing order of things was satisfactory, and he deduced many good arguments to show that Canada would lose rather than gain by a union with England. Turning his attention, then, to the remarks of Mr. Cannon, the leader of the negative questioned his definition of the term, and said that what was meant by it was not only a union of England and Canada, but also of the Australian and South African colonies. Now in the way of such a union there are many difficulties which the affirmative

overlooked, and of which the greatest is the lack of a common interest. And hence, even if Federation were accomplished, with no interests in common, the colonial representatives would divide themselves up into separate factions, and the colonies would consequently suffer. In closing, Mr. Fisher severely denounced the affirmative for not offering a practical scheme whereby to accomplish Federation. Mr. Anthony followed for the affirmative, and he was forcible, sarcastic and eloquent by turns. He did not attempt to debate the question on its positive side, but devoted his whole time to replying to Mr. Fisher. He denied the statement of Mr. Fisher that Imperial Federation would injure us, and brought forward many arguments, on the other hand, to show that it would benefit us greatly. The difficulties in the way of Federation, which Mr. Fisher had enumerated, were shown to be no greater than those encountered by the Fathers of Canadian Federation, and easily overcome by practical statesmen. With regard to the negative criticism of the affirmative for not bringing forward their scheme for Federation, Mr. Anthony said it was unjust, as Federation was a work for the future, and it was not for them to say as yet what form the future should give to it. They preferred to leave it for statesmen to decide. Mr. Anthony's speech, on the whole, was about the best of the evening, as it was wholly impromptu. It is not often that we have a debater at the Union get up and make a direct reply as Mr. Anthony did. After Mr. Anthony came Mr. Laidlaw for the negative. The latter devoted most of his time to replying to the arguments of the affirmative. Five minutes were then allowed Mr. Cannon to reply. But his unnatural gestures, and the speed with which he attempted to speak were the cause of a number of interruptions in the Hall, which prevented many of his remarks from being heard. After he was through, the judges, Prof. Wrong, Rev. Dr. Milligan, and Prof. Alexander, withdrew. In their reassembling, the Chairman, Prof. Wrong, announced that after careful deliberation, the judges had awarded the decision to the visitors from Queen's, though the judges were not unanimous in that opinion. The applause which greeted the decision showed that the audience was much of the same mind as the judges. Varsity takes great pleasure in congratulating the victors.

That this, the first debate which has taken place between University College and Queen's, was an unqualified success, was quite obvious to those who had the good fortune to be present. It is to be sincerely hoped, therefore, as the Chairman, Prof. Wrong, remarked, that the Queen's debate hereafter, will be one of annual occurrence, and that next year the Varsity representatives will bear away with them from Kingston the laurels which Queen's representatives won this year at Toronto.

Before the debate, and whilst the judges were arriving at a decision, the following musical and elocutionary programme was well rendered: Solo, Mr. Prizer; violin solo, Mr. Beardmore; recitation, Mr. F. E. Brophy; 'cello solo, Mr. Lucas.

MICHAEL ANGELO.

The Medical Society held a most successful open meeting in the Biological Building last Friday night, at which a large crowd was present.

LETTER FROM MR. RUSSELL.

Editor of THE VARSITY:

Dear Sir,—Much discussion has appeared in your magazine of late respecting the Athletic Association and its failure to attain to that position of pre-eminence among the other Athletic Clubs which it was once hoped that it would. Criticism along this line was especially marked in a letter which appeared over the signature of James G. Merrick, who refers to the present work of the Association as of a routine character, compared with its activity at the time of its formation.

Consequently it is necessary for me, on behalf of the Athletic Association to make some statement respecting the position of the Directorate and its relation to the reforms suggested. In the first place the feeling that there was lacking in our Athletic organization at the University, some central body of control, able to speak finally on questions of Athletic policy, was felt last spring by the new Directorate, as soon as it assumed office, and an attempt was made to remedy the defect. But the conclusion seemed inevitable to the new Executive that the Athletic Association, as originally constituted, was unfit to assume the duties of a central authoritative Board of Control. Constituted of representatives from the different years and Colleges, it is admirably adapted for the management of such functions as the Annual Games, the Annual "At Home," Assault-at-Arms, etc., where it is to the interests of all the Years and Colleges to have an effective representation. But this very comprehensiveness of representation makes it too unwieldy a body to summon for the consideration of the policy of some particular club. Again, if it is still to carry out the functions mentioned above, and in addition to assume the responsibility of an effective control of other Clubs, too much work is thrown on its shoulders, and the probability is that much of it would be slighted. And finally, the Athletic Association, without a representation from the Faculty, has not the authority to settle finally on all questions of Athletics which may seriously affect the credit and honor of the University.

Without entering into detail, then, as a result of conference between President Loudon, on behalf of the Councils, and the Executive of the Athletic Directorate, the Athletic Board was formed, and received the approval at once of the University Council and of the Athletic Association.

The Board is composed of the President of the University, two other members of the Faculty, and three representatives from the Directorate of the Athletic Association, thus securing an effective means for students and Faculty to work together on the broader questions of policy in Athletic matters.

Its duties were to be two-fold, first the management of the University Athletic grounds, and their allocation for purposes of sports and the supervision of the financial arrangements of all public Athletic events on the University grounds, and second, the exercise of an effective supervisory control over all Athletic Clubs using the University's name.

The first division of the duties of the Board was fairly well developed during the fall term, and the arrangement was found to work most satisfactorily. But certain circumstances have as yet prevented the development of the relations of the Board to the other

Clubs, and this is the reason why a full explanation of the position of the Athletic Directorate has not appeared sooner. Thanking you very sincerely for the space which you have devoted to the discussion of Athletic topics, and for the valuable suggestions offered through the columns of your paper, I hope within a few weeks to be able to give you a full account of what the Athletic Directorate of 1898-99 has been able to achieve in the way of centralizing the control of our Athletic Clubs.

Yours sincerely,

T. A. RUSSELL,
Sec.-Treas., U. of T. A. A., and Sec.-Treas. U. of T.
Athletic Board.
February 28th, 1899.

ASSAULT-AT-ARMS.

Wednesday, March 8th.

This year the Assault-at-Arms promises to eclipse any past attempt of the Athletic Association in this line. The date has been fixed for Wednesday, March 8th, and preparations are nearly completed for the evening's entertainment. The events comprise the best features of the programme of the past few years, and some entirely new exercises have been added as well. There will be the Inter-Year and Inter-College tug-of-war and pick-a-back wrestling, as of old; the preliminary rounds in these events will take place in the Gymnasium, Saturday at 3.30 p.m. sharp. The Class, which is this year unusually large, and comprises Varsity's best Athletes, will give several exhibitions of Gymnasium work, including exercise on vaulting buck, parallel bars, horizontal bars and ground work.

The following contests will also take place, finals in Senior foils, bayonet vs. bayonet, sabre vs. sabre, sword vs. bayonet, and quarter staff. But the features of the evening will probably be the Musical Ride of the Scotch Greys, given by Bugle-Major Woods and the Buglers of the 48th Highlanders, and the Mounted Cockade Melee. These two events will be exceedingly interesting and exciting. Between the numbers on the programme the clever and popular clowns of the Class will give some amusing burlesques of gymnasium work.

In order to meet the expenses connected with the event, the Association has decided to charge an admission fee of twenty-five cents. Any further information will cheerfully be given on application to the Secretary, T. A. Russell, or to Instructor Williams.

SCHOOL OF SCIENCE NOTES.

One day last week it was discovered by a few of the students that a member of the First Year used paints in order to improve his complexion; we would advise him to put the color on more evenly, and not touch up the end of his nose; but if he does not take the hint we will have to publish his name.

A regular meeting of the Engineering Society was held on Wednesday, February 22nd, at 4 p.m. Dr. Ellis gave a very practical lecture on "Junker's Gas Calorimeter," and Mr. W. Hemphill read a paper on the "Power-House at Decew Falls." After a vote of thanks had been given to Dr. Ellis and Mr. Hemphill, the meeting adjourned.

The Varsity

THE RESIDENCE QUESTION.

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TORONTO, MARCH 1, 1899.

THE ATHLETIC DIRECTORATE.

From several things that have transpired during the past week, we have been led to believe that an altogether unexpected interpretation of the attitude of this paper towards the Athletic Directorate is held by many. It seems that the feeling among a number of undergraduates is that we have been indulging in an adverse criticism of the officials, who have either filled the important executive offices of the Association in the past, or those who are to do so next year. Now, however much such an interpretation may have been justified by any thing said in this paper, we wish to state on the "Referee's" behalf, and our own, that such was not in the least degree intended. In fact, a perusal of our editorial of three weeks ago reveals exactly the reverse. We heartily congratulated the officers of the Athletic Directorate for their excellent and progressive work during the past season, and moreover, explicitly complimented the incoming Fourth Year on the excellence of the choice of their officers for next year. In fact, it seems to us almost absurd, either that anyone should question the excellence of the work of the officers for 1898-99, or the probable efficiency of such good men as Messrs. Gibson, Telford and Harrison. Our whole position was, not that these men were inefficient, but, that being prominent athletes, it was unfair to demand their services on the field as well as in the office.

Concerning the Athletic Directorate, any criticism offered was not intended as "destructive," but rather "constructive," and was conscientiously offered in the hope that some change would be made towards effecting a centralization of Athletic authority. This is now being effected through the efforts of the progressive and energetic Athletic Directorate Executive, and we have great pleasure in congratulating it for accomplishing such an important change, leading towards the above-mentioned centralization of Athletic authority.

Ever since any of the present students of Varsity can remember anything of the University, the important question of a suitable Residence has been under discussion. With this issue we publish an article by Mr. S. J. Robertson, B.A., '93, taking up the matter in a definite business-like way, and this is, indeed, one great reason why we should all welcome Mr. Robertson's letter. We venture to say that after the heart-breaking struggle many students have to obtain even satisfactory lodgings and board, that hardly any will be found who would question the superiority of a Residence over such places of refuge as many boarding-houses undoubtedly are.

Residential life is regarded by many of the best educationists as being of infinite educative value to students, and doubtless there are few who would question this. There would be no better opportunity offered in University life for the association of student with student, and to a certain extent of student with professor, than in such an institution as a well-ordered, comfortable Residence. Another feature of boarding-house life has forcibly struck us, and is briefly this; the total lack of any semblance of home-life engenders home-sickness, resulting, in many cases, in, at least, embryonic pessimism, and all will admit that there is no disease more destructive of the best in human nature than pessimism.

Mr. Robertson has gone to great trouble to learn exactly how much it would cost to provide an addition to the present Residence, after the plan he suggests, and his figures must be taken as authoritative because they are provided in each case by experts. He shows, finally, how such a Residence as he proposes could be made, not only to pay the interest on the capital, but to more than do so. It is to be sincerely hoped that the authorities will not pass over this matter lightly. As Mr. Robertson suggests, it is hardly likely that the Government would refuse to go security for such an undertaking, and it would appear that all that is now needed to accomplish the building of the proposed addition to Residence would be the undergraduates signifying their sympathy in some conclusive manner in order to enable the authorities to feel confident of their support in event of carrying out the project.

The question of a Women's Residence has been also before the public for a number of years, and although the growth of the sum of money needed to carry out the project has been slow, it has been steady. It moreover speaks volumes for the energy and persistence of the Alumnae in this difficult undertaking, and we have great pleasure in congratulating them on the success of their efforts. The Women's Residence Association was responsible for the carrying out of

the splendid series of Saturday lectures just completed, which, by the way, netted them some \$360. It is stated that but \$200 more is needed to enable them to proceed with the building. This certainly seems but a small amount, and surely it will not be difficult to find a number of public-spirited men ready to contribute towards such an enterprise. A Women's Residence is undoubtedly a necessary adjunct to a University where co-education exists, and it is to be hoped that success will meet the earnest efforts of the women who are urging the building of a Residence for the women undergraduates, in the desire of providing them with a certain degree of home-life.

On behalf of the Arts students, we beg to extend our sympathy on behalf of the Medical students on the loss of one of their most popular and best men, Mr. Dunnington, of the Third Year.

UNIVERSITY OF TORONTO STUDIES.

The number of valuable contributions to knowledge, which have already appeared in the *University of Toronto Studies*, have abundantly demonstrated the wisdom of the Senate in their publication. The last one in the series, "The Gametophyte of *Botrychium virginianum*," by Mr. E. C. Jeffrey, will be found up to the high standard of the preceding numbers. This paper is republished from the transactions of the Canadian Institute. The typography, which is of an excellent quality, is uniform with that of the rest of the series. In addition to the 32 pages of letterpress, there are 4 plates lithographed by Hutt, of Edinburgh, from the drawings and photographs made by Mr. Jeffrey.

The subject is, as the name suggests, of a very advanced nature, and the bustling array of scientific terms, of which Botany has such a plentiful supply, is calculated to repel the non-scientific reader. To a botanist, however, it is of very great interest. The philogenetic position of the *ophioglossaceae* to which *B. virginianum*, the moonwort, belongs, has always been a question much discussed and little understood. Whether to consider these plants as linking forms between the ferns and their humbler allies, or as related more nearly to the higher cryptogams has been difficult to decide, owing to the fact that that phase of the plant, in which the floral organs are produced,—the gametophyte—is minute and subterranean. A fortunate discovery put Mr. Jeffrey in possession of a number of specimens of the gametophyte of *B. virginianum*, and the results of a careful investigation extending over a period of nearly two years, are published in this monograph. Results which, while not settling the position of the order itself, adduce a series of facts which will be of very great value in settling that point.

In 1852 the gametophyte of a related species *B. lunaria* was investigated by Hoffmeister and it was not until 1893 that Professor Campbell secured his specimens of the gametophyte of *B. virginianum*, by growing them from spores. In each of these cases the material at the disposal of the investigators was so scanty that the results were anything but satisfactory.

The only other member of the order whose floral organs had been seen and described was *ophioglossum pedunculatum*. As early as 1856, a few pages in a work by Mettenius were devoted to this subject, but until the present our knowledge of the life processes of this interesting order of plants was very limited. It remained, then, for Mr. Jeffrey in his masterly monograph, to eclipse all that had previously been achieved in this direction by the great lights of the science.

Although Professor Campbell had previously obtained specimens of the gametophyte of this plant, they were grown under abnormal conditions in the glare of a hot-house, instead of the darkness of the forest and had developed chlorophyll, which has not been found in any of Mr. Jeffrey's specimens. Then none of the artificially-produced specimens developed to the stage when the embryo begins to segment, which is the point of importance in this case. Now, the youngest specimens collected by Mr. Jeffrey were a little older than the most advanced of those previously obtained, and so we now possess the complete life-history of the plant from the first growth of the spore to the prothallus, through the intermediate stages of the formation and segmentation of the egg-cell, down to the final production of the fern itself.

Since the gametophyte is without chlorophyll, it has to depend upon external sources of food supply, principally decaying vegetable matter. Another and very remarkable possible source of supply is in the presence of numerous plants of a "filamentous fungus," which thrives within the cells of the host. This was invariably found to be the case, and we may conclude that this alliance was for mutual benefit. As the plant grows older, the strands of the fungus enlarge, and are surrounded by an oil. Later they decrease in size and are separated into small pieces and finally disappear, and it seems reasonable to suppose that in this, as in other cases known to science, the host has digested and assimilated the substance of the smaller member. This phenomenon occurs among the clovers and other members of its family, and is the reason why some plants, as the lupine, can flourish on unproductive soils.

A large part of the work is devoted to the details of growth and segmentation of the plant, which has little interest for the general reader, but altogether it forms a valuable addition to the science of Botany.

W. HARVEY McNAIRN.

Y.M.C.A.

On Saturday evening at 7.30, the Mission Study Class meets for one hour in the parlor of the Young Men's Christian Association Building. Every student interested in the Sociological problems of non-Christian lands should make an effort to attend this class.

Professor Ramsay Wright journeyed to Ottawa last week to attend a meeting of Scientists with the Government, in order to try and induce the latter to give a grant towards the formation and maintenance of a Biological experiment station. In all probability the necessary amount will be forthcoming, and the station will likely be established in one of the Maritime Provinces.

Athletics

INTER-COLLEGIATE GAMES,—

I am now going to speak of the last great step of the Athletic Association, which was finally agreed upon at the meeting held on Thursday. The Committee, which was appointed last term, consisting of Mr. Breckinridge, T. A. Russell, and V. E. Henderson, reported that the replies that they received from the various Colleges written to, re the formation of an Inter-Collegiate Athletic Association, were not at all satisfactory, except in the case of McGill, and that they therefore had agreed that the only feasible way of arranging an Inter-Collegiate competition was by direct agreement with McGill. With this end in view, Russell and Henderson met with Messrs. Robinson and Moulson in Montreal, and there drew up a provisional agreement, of which the following is the substance: The Athletic Association of McGill and Toronto agree to hold, under their auspices, annual Athletic meetings, open under certain reservations to representatives of all Canadian Universities, on the third Friday in October (this is the earliest feasible date). That each Association will be represented by a team, not to exceed fifteen men, who shall compete in the following events: 100 and 220 yds. dashes; 120 yd. hurdle; quarter, half and mile runs; high, broad, and pole jumps; shot hammer and discus, and relay race. The first meet will be held probably in Montreal next fall, and members of the University team will have their travelling expenses paid. The meeting sanctioned the agreement, and reappointed the above committee, adding Mr. J. J. Gibson to make the final arrangements with McGill. The meeting gave the Directorate power to appoint any officers necessary in connection with the team or the Committee for the games.

THE HOCKEY CLUB,—

The Club has had a very pleasant tour in concluding their season. Leaving home on Saturday, they arrived in Montreal in time to see the Stanley Cup games. They played a game with McGill, but were defeated, 8 to 4. A friend in Montreal has written me, and so I am able to give the Montreal idea of the team. Darling they thought the best player of the seven; Sheppard the most brilliant of the forwards, the only one who played in Eastern style, while Snell they thought to be the most effective. Mackenzie played well both at point and forward; Isbester did better work at point than forward. Waldie made some brilliant stops in the second half, but was very weak at first. The second game was played on Tuesday at Brockville, when they defeated the strong team representing the town, 3—0. Owing to the mismanagement of the O. H. A., the team, instead of staying in Kingston, travelled home on Wednesday night, but were met here in the morning and ordered to play Queen's that night. Of course they went on the ice in very poor condition, after travelling all night and day. The game, however, was a good one, and Varsity pressed Queen's hard throughout the game, and were only defeated after a close struggle, the score at the end standing 8—6. Varsity had all the best of the second half.

THE REFEREE.

The College Girl

The last regular meeting of the Women's Literary Society was held in the Students' Union on Saturday evening, February 25th. The meeting was everything that had been predicted—the programme excellent, the audience large and enthusiastic. Among those who enjoyed the programme were many of the professors' wives, graduates, and friends of the College girls.

After a piano solo by Miss Wright, a most interesting fencing lesson was given to Misses Conlin and Gundry, by Miss Johnston. Miss Ryckman's account of her course of holiday lectures in France and Germany was greatly enjoyed, being instructive as well as entertaining. Her many hints and words of advice will be treasured up, and put to use when we go to make her experiences our own. Were we not afraid that the "silence would be unbroken," we should like very much to experiment with those curious little instruments which are used in teaching phonetics in Paris, and which tinkle melodiously when the correct sound is uttered. We shall not forget to slip in with our soap and coffee a package of flour, for we should like our gravy to have some consistency when we go to France. Nor shall we be at all surprised or annoyed when we are told at the Library in Germany that all the books on our long list are out—no, we are well accustomed to that here. But in the meantime we shall cultivate a taste for sausage meat, so that we shall be able to enjoy our dinners in Germany.

After Miss Kennedy's sweet solo, "Because I Love You Dear," great excitement was aroused by the fencing bout between Misses Johnston and Conlin. The contest was for five points. The skill displayed by both was admirable, and Miss Conlin is to be congratulated on having gained the laurels by one point.

Then followed the debate between the First and Fourth Years. "Resolved, That from a social, intellectual, and financial standpoint, a Women's Residence would be both expedient and beneficial." Speaking for the affirmative, Misses Amos and Dixon ably upheld the honor of the First Year, while Misses Cleary and Benson did their best to annul the arguments brought forward by the "naughty two." But Miss Ryckman briefly showed how the Freshettes had triumphed over the Seniors. While she had been meditating on the speeches that had been made, and had been forming her decision, Misses Lang and Wegg rendered an instrumental duet.

The programme was brought to a close by the representation of a Farce, "A Perplexing Situation," by a number of the College girls. Miss Manson, in an old-fashioned silk dress and powdered hair made a charming old lady, the mother of the two graceful daughters, Jessie and Sue, whose characters were well represented by Misses Hutchison and Neelson. Miss Watt, as Lucy, a cousin of the girls, who had lived with her aunt since her own father's death, five years before, was much admired. Miss Cockburn was a stern father, and acted her part well. The lovers of Jessie and Lucy were Mr. Alexander Wilson and Dr. Reynolds. Misses Dredge and Street took these parts, and were so much like real men and real lovers

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that Jessie and Lucy could not but think that they were so. Miss Mason, as Uncle "Ed." from way up the country, produced much merriment; and Miss Conlin, as "Tom," a sympathizing brother of the girls, took her part as the lover of Maud, a friend (Miss Austin), as if she were not acting at all. Mrs. Nosie (Miss Lawson), the mischief-maker and gossip, caused a great deal of trouble, but was the means of bringing happiness to the lovers at last. Miss Wicker made quite a dainty maid, and Miss Marshall was a perfect German lad, Fritz, and lover of the servant. The girls are to be heartily congratulated upon the result of their effort to make the meeting the most successful of the year, and to give so much enjoyment to the audience.

Saturday's lecture "The Seasons in India," by Dr. R. G. Rudolf, brought to a close the course of lectures that had been arranged for the Women's Residence Society, and we are pleased to report that great success has attended these lectures. At a meeting of the Women's Literary Society Miss Hamilton, a graduate, and an interested worker on behalf of the Women's Residence Society, called the attention of the girls to the immediate aims of the Society. Of the many girls in attendance at University College, considerably more than half are boarding, and every year the need for a Women's Residence is felt more and more. The treasurer has now on hand about six thousand dollars; but this is scarcely sufficient to begin the erection of a building that would be large enough to accommodate those who would like to go into Residence. However, it is thought that if two hundred dollars could be raised immediately, the building of Residence could be begun, and that it might be ready by next Fall. Two hundred dollars seems a small sum to be raised by subscription from the number of Toronto's

inhabitants who are interested in College life, and yet that is all that is wanting to procure for so many of the girls the comforts and home-life that are now lacking.

THE OLD GERMAN'S JOKE.

It is the prerogative of surveyors to go wherever their fancy leads them when travelling through the country. If they wish to go through a farmer's bush or field, it makes no difference; the farmer has no alternative but to submit—at least usually. We will, however, repeat a story which is the exception to the rule. A band of surveyors wished to cross an old German's hay-field, but his watchful eye detected them scaling his rail fence. He immediately went to meet them, and remonstrated with the chief of the party. The latter replied: "Well, I can't help it, we must go through." And to emphasize his assertion he produced a brilliantly-sealed passport, which he flourished before the German's eyes. The latter, of course, could remonstrate no longer.

He, however, left the party, went to the barn and secured the destructive services of a first-prize bull, which he ushered into the field. At the sight of the surveyor's red flag, the animal ducked his head, got on full speed, and steered straight for the holder of the flag. The latter, as well as the others, saw the approaching danger, and quickly placed a heavy rail fence between it and themselves.

The chief of the party then skirted the field to vent his anger on the German, who had sat down, so exhausted was he with laughing. The surveyor remonstrated vigorously with him, to whom the German only replied: "Vell—vy didn't you show de bull de papers?"

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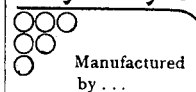
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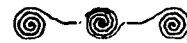
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DECEMBER--

1. Last day for appointment of School Auditors by Public and Separate School Trustees. [P.S. Act, sec. 21 (1); S.S. Act, sec. 28 (5).] (On or before 1st Dec.)
Municipal Clerk to transmit to County Inspector statement showing whether or not any county rate for Public School purposes has been placed upon Collector's roll against any Separate School supporter. [P.S. Act, sec. 68 (1); S.S. Act, sec. 50.] (Not later than 1st Dec.)
5. County Model Schools Examinations begin. (During the last week of the session.)
6. Practical Examinations at Provincial Normal Schools begin. (Subject to appointment.)
13. Returning Officers named by resolution of Public School Board. [P.S. Act, sec. 57 (2).] (Before and Wednesday in Dec.)
Last day for Public and Separate School Trustees to fix places for nomination of Trustees. [P.S. Act, sec. 57 (2); S.S. Act, sec. 31 (5).] (Before and Wednesday in Dec.)
14. Local Assessment to be paid Separate School Trustees. [S.S. Act, sec. 55.] (Not later than 14th Dec.)
Written Examinations at Provincial Normal Schools begin. (Subject to appointment.)
15. Municipal Council to pay Secretary-Treasurer Public School Boards all sums levied and collected in township. [P.S. Act, sec. 67 (1).] (On or before 15th Dec.)
County Councils to pay Treasurer High Schools. [H.S. Act, sec. 30.] (On or before 15th Dec.)
County Model School term ends. Reg. 58. (Close on 15th day of Dec.)

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The Rotunda

One of the Professors remarked the other day that the Varsity men were far worse than *Professor Wiggins*, in that they were trying to circle the square by calling the square hall "The Rotunda."

The Committee in charge of the graduating photo wish to say that they have with difficulty succeeded in obtaining another week during which members of the final year may have their photos taken. It is urgently requested that all will attend to this at once so that the groups may be complete in numbers.

A. E. Shipley has been forced to give up his work and go home. The combined evil effects of over-work and grip are said to have been the causes.

Dr. Toews has been very ill with typhoid fever for some time, and is, indeed, far from being beyond danger yet. We hope, however, that he will be able to fight off the disease.

E. P. Brown, '01, was laid up with grip for four or five days last week. He is almost "the last of the noble 600" who have fallen victim to the onslaught of the microbe.

Mr. E. C. Jeffrey, B.A., lecturer in Botany, left early this week to complete his work at Harvard, for his Doctor of Philosophy degree.

The Curator of the Reading-room advises anyone who wishes to read the comic papers to go when Tart Hills and Dick Fudger are known to be at a lecture.

S. A. Wallace, '01, distinguished himself at the nuptials of a friend last week.

But a few over a hundred have sat for their graduating photo at Park Bros'. It is hoped that the members of '99 will attend to this important matter without delay.

Mr. R. D. Kief, '01, has returned to lectures after a two weeks' holiday at the Falls.

Mr. F. H. Honeywell, '01, has made his first appearance around Varsity this year. It is to be hoped exams. are not the attraction.

If anyone wants to see a smile, just ask Pat. Deroche if he had a good time at Whitby, or did he?

If anyone wants to hear an interesting little romance, very much after the stereotyped style of the paper-covered novel, just ask "Garfield Glazebrook" Glanfield, '99, how he "happened" to have his best overcoat torn half way across the back the other night.

Every day the rush at the Library seems to be getting more and more fierce. Seats are now at a premium, and even the most studiously-inclined men sometimes find it difficult to get the very book they want. Heads are bent over all descriptions of books, and the many genera of Varsity men are, by "natural selection," now converging towards the one genus known as "plug," in the hope that in the impending struggle for existence they may come out victorious. It certainly does seem to be too true that the examiner is one of the most difficult persons there is to please, and yet we all have to try and do it.

The Dean of Residence, Mr. De Lury, has been quite ill for the past few days. We hope he will be well soon.

Mr. J. A. Whelihan, '01, took a flying visit home on Tuesday to cast a vote in the South Perth election.



THE ROYAL MILITARY COLLEGE

THESE are few national institutions of more value and interest to the country than the Royal Military College at Kingston. At the same time its object and the work it is accomplishing are not sufficiently understood by the general public.

The College is a Government institution, designed primarily for the purpose of giving the highest technical instructions in all branches of military science to cadets and officers of Canadian Militia. In fact it is intended to take the place in Canada of the English Woolwich and Sandhurst and the American West Point.

The Commandant and military instructors are all officers on the active list of the Imperial army, lent for the purpose, and in addition there is a complete staff of professors for the civil subjects which form such a large proportion of the College course.

Whilst the College is organized on a strictly military basis the cadets receive in addition to their military studies a thoroughly practical, scientific and sound training in all subjects that are essential to a high and general modern education.

The course in mathematics is very complete and a thorough grounding is given in the subjects of Civil Engineering, Civil and Hydrographic Surveying, Physics, Chemistry, French and English.

The object of the College course is thus to give the cadets a training which shall thoroughly equip them for either a military or civil career.

The strict discipline maintained at the College is one of the most valuable features of the system. As a result of it young men acquire habits of obedience and self-control and consequently of self-reliance and command, as well as experience in controlling and handling their fellows.

In addition the constant practice of gymnastics, drills, and outdoor exercises of all kinds, ensures good health and fine physical condition.

An experienced medical officer is in attendance at the College daily.

Five commissions in the Imperial regular army are annually awarded as prizes to the cadets.

The length of course is three years, in three terms of 9½ months' residence each.

The total cost of the three years' course, including board, uniforms, instructional material, and all extras, is from \$750 to \$800.

The annual competitive examination for admission to the College will take place at the headquarters of the several military districts in which candidates reside about the middle of June in each year.

For full particulars of this examination or for any other information, application should be made as early as possible to the Deputy Adjutant General of Militia, Ottawa, Ont.

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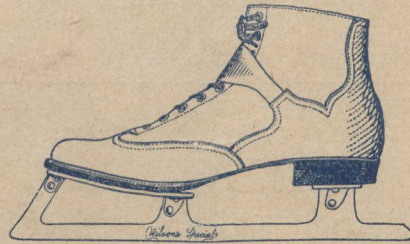
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