

**Pages Missing**

# THE VARSITY

*A Weekly Journal of Literature, University Thought and Events.*

VOL. XI.

UNIVERSITY OF TORONTO, MARCH 8, 1892.

No. 19.

## Editorial Comments.



HARVARD, Yale, Princeton and Columbia Colleges possess gymnasiums erected at a cost of thousands of dollars and maintained at an annual expense of thousands of dollars, yet withal the treasury is full and flourishing.

The athletic spirit of these, the largest and most prominent universities in America, is a marked feature pervading every department of college life, and it is the activity of this spirit which makes them so famous the world over. The gymnasium, the material expression of this spirit, is the nursery of all branches of athletics, from the hard, rough, struggling game of football to the quick activity of a forty-yard dash.

In Harvard, to-day, there are no less than 200 in training for positions on the athletic team. The candidates for baseball and rowing, though not so numerous, have already been at work some weeks. By spring they will have laid a foundation upon which to build and possess a constitution that will be able to stand the extra demands on their energy in the final struggle for honors. The training of the candidates in each department of athletics is under the guidance of an experienced coach and trainer. The exercise is of a judicious character, each weakness and excellency being noted and each athletic quality improved where necessary with the greatest care.

The spring inter-collegiate games, at which a cup is awarded to the college obtaining the highest number of points, generates and fosters a spirit of keen rivalry and develops athletes who have become the most prominent in the world. The captain of each team takes a personal interest in each competitor, eagerly studying out his forte and training him for that distance at which he is best suited. This care and handling of promising material by competent trainers has brought to the front some of the best men on the track to-day. H. L. Williams, of Yale, holds the world's record for the 120 yards hurdle race. Luther H. Cary budded into prominence at the inter-collegiate games, and now holds the proud title of the world's champion sprinter, covering the 220 yards in 21½ seconds.

M. Remington, also of Princeton, though able to run the 100 yards in fast time, was found to excel at the longer sprints. He was trained for these, and to-day has few equals at the 440 yards, and is invincible at the 300 limit.

Bloss, of Harvard, specializes in the hop, step and jump, and recently broke the record for the 40-yard dash.

We might mention a score of others, as Harding, Baker, Shirrell, Ryder, Swain and Lee, who are the life and material of the great Manhattan and New York Athletic Clubs.

Looking at our own university we feel that, while she

is keeping abreast of the times in science, medicine, political economy, and the other branches of education, in regard to athletics she is far from being in line. The High Schools and Collegiate Institutes boast that which we do not possess—a gymnasium. The work of the gymnasium, which is considered so fundamental and important in training, is unknown to the undergraduate here. The lack of this should not be underestimated, and is a handicap which cannot be overcome even by any excellence which we might naturally possess.

True the baseball team defeated the well-trained men of Cornell, a leading club in the American Inter-Collegiate League, and let Harvard know that the game was played here. True Orton, with only a few weeks of judicious training, to whom spiked shoes were a novelty, ran a mile faster than any American student who ever saw a cinder track. True, again, Agnew, without any preliminary practice, put the shot farther than Queckberner, the giant of the Manhattans.

If we possess teams and men who, in spite of disadvantages, are able to come to the front, we feel sure that, with facilities for practice and training, there are many athletes in our Canadian universities who have talent that lacks only development. This is impossible without a gymnasium and a cinder track. The former is absolutely necessary, and records and successful games do not exist without the latter.

Looking at the need of a gymnasium from a more practical standpoint, in which we do not wish so much to excel in athletics, we do wish to strengthen our constitutions with healthful physical recreation, and store up that energy which is called for in the trying hours of May. The change from the recreation of the fall term to the diminished opportunities for exercise and increased mental strain of the spring term is most pronounced and unfavorable. If we are to have a gymnasium, why not at once? We hear that the Senate has \$20,000 for something, may be it is to be devoted for this cause.

We will never grow strong on our present prospects; never find recreation in the promises that have been made. All, from the President to the least athletic member of '95, feel the need, and hope that the need may be supplied.

We do not know where the committee that was formed three years ago to collect money—even did collect a few thousand—has gone.

But now, right at once, without losing any more time, with the hearty co-operation of the whole student body and the hundreds of graduates devoted to their Alma Mater, the erection of a gymnasium is possible, and could be easily maintained by that fee which was formerly imposed on Moss Hall.

The Italian Government has ordered English to be added to the courses of all its colleges.

"A SUMMER AT THE WOOD'S HALL MARINE BIOLOGICAL LABORATORY."

F. R. LILLIE, B. A., '91.



THE Marine Biological Laboratory at Wood's Hall is one of many similar institutions in different parts of the world. They are all founded with the intention of making a thoroughly scientific study of the marine fauna, and in many cases the flora of that part of the world in which they are situated. Some are sustained by the government, which recognizes the enormous economic importance of a thorough acquaintance with the inhabitants of the sea; some are university institutions, maintained as a department of the university proper; others again are founded and maintained by private enterprise and incorporated as a company. Of the last sort is the Marine Biological Laboratory at Wood's Hall, Mass.

Perhaps the most celebrated laboratory of the kind is the Naples Zoological station, under the able management of Dr. Dobson. This may very properly be styled the Mecca of Zoologists; here the enthusiastic naturalist will meet with the most able exponents in Biology of the present day, and at the same time obtain unrivalled advantages for the study of his favorite science. Into such an institution as this entrance can be procured only through the courtesy of the director, or through appointment by some institution which supports a "table" there, and sends each session some promising and favored student to occupy it. Among other celebrated institutions of the kind I may mention the stations at Trieste, under the direction of the celebrated Dr. C. Claus, and at Kiel, under Dr. K. Möbius. In all these and similar institutions a large body of investigators are at work, solving the problems of anatomy, embryology and of the action and inter-action of living forms one on the other, helping forward the most modern of all sciences, Biology. For the publication of the discoveries annually made, the Naples institute publishes a journal under the title of *Mittheilungen aus der Zoologischen Station zu Neapel*; the Trieste station occupies a large part of the journal known as *Arbirten aus der Wiener Zoologischen Institute*, and other stations have their special means of publishing their annual discoveries.

It is only comparatively lately that any such institution has existed in America. To be sure, private laboratories have existed and do exist, but these have not been of such a character as to afford advantages to any large number of students. The first attempt made in this direction in America was Louis Agassiz's laboratory at Penekise, an island lying some twenty miles south of Wood's Hall. Here a large laboratory was built and equipped in 1878 by the kindly munificence of Mr. Benjamin Anderson, of New York; and here for one year Agassiz superintended the work of a number of enthusiastic naturalists, among whom I may mention Dr. C. O. Whitman, the present director of the Wood's Hall laboratory, until the good work was prematurely stopped by his death. The laboratory remained standing unoccupied till last year, when it was destroyed by fire. The Annisquam laboratory was the lineal descendent of this.

The Marine Biological Laboratory is an extension of the Annisquam laboratory, carried on for six years by the Woman's Educational Association, with the assistance of the Boston Society of Natural History. Founded in 1888, the growth of the laboratory has been steady and markedly great. In 1888 seventeen were in attendance, while in 1891 the numbers were reversed and seventy-one attended. Since its inception seventy-eight different institutions have been represented, and I think I may say benefited.

Wood's Hall is situated on the north shore of Vineyard Sound, at the entrance to Buzzard's Bay, within two and a-half hours of Boston by the Old Colony Railroad. While not in itself a beautiful place, being in fact a small fishing town, it has nevertheless surroundings of unusual interest

and beauty. Lying across the Sound at a distance of about five miles is the beautiful island of Martha's Vineyard; thirty miles beyond this is quaint old Nantucket. Through the Sound passes all the coasting trade of the Eastern States, and daily the number of vessels passing through exceeds 100. I myself have counted as many as seventy sail in sight at one time, forming, with the sun glancing from their white sails, a sight never to be forgotten. In exactly the opposite direction, across Buzzard's Bay, lie New Bedford, Narraganset Bay and pier, and a little farther down the coast fashionable Newport.

The laboratory, as at present constituted, contains two departments, located each in one of the two stories; the lower for the use of students, the upper for investigators.

Perhaps I could not better give an idea of life there than by outlining the routine of a typical day. Work begins early, and so by 6.30 nearly every man is up, and the ladies, too, whom by the way I must not forget; breakfast begins at seven, but the lazy members do not begin till 8.30 or 9. After this all repair to the laboratory, and the regular work of the day begins. At about ten, depending on the time of low tide, one of the officers comes around to announce that the launch is ready to start; then those who wish to go out collecting don their hip boots, take up a pail, and perhaps a spade or a net, and start off. Generally some ten or twelve go, including always several ladies. We are soon seated in the pretty little steam-launch "Sagitta," and away we go; often the Fish Commission launch starts out at the same time, but as our launch is far the faster, we always win in the race that is sure to follow, and we head out for "the Hole." This, I must explain, is a narrow piece of water connecting the harbor with Buzzard's Bay; as the tide rises from two to four feet higher in the harbor than in the bay outside, there is a great rush of water through "the Hole" at the turn of the tide. The current there runs from five to seven knots per hour as the tide falls. A great many people will have it that the village receives its name from this, and should therefore be written Wood's Hole, but the usual spelling being more classic better suits those Bostonians who spend their summers there. In about twenty or twenty-five minutes the collecting grounds are reached and each man starts to work. By this time the water has left Hadley harbor, and a broad stretch of mud, with shallow pools, marks its site. Here all manner of marine forms, much more interesting to the zoologist than to the general reader, are to be found, the description of which I shall, therefore, spare the readers of VARSITY. Perhaps an hour or an hour and a-half spent collecting, when the shrill whistle of the launch calls us together, and soon we reach the laboratory; here we dispose of our treasures in whatever way best suits us, and after discussing dinner return to the laboratory, each to his own special department. Only one line of work, which may interest the general reader, will I mention; and that is the watching the development of some marine worms and mollusks. Some of these have a habit of depositing their eggs early in the evening, and these at once start out on the long series of changes which at the last result in the adult form. The consequence of this is that the enthusiastic student who desires to become acquainted with their method of development must sit up all night long, and perhaps for some time in the morning, rewarded for his devotion to science by the wonderful changes taking place under his eye, which never lose their interest. That this is hard work I can give my testimony, having tried it. To sit alone in a large laboratory, hour after hour through the night, peering through a microscope all the time, to see, perhaps, one change in a half-hour or more, requires a certain definite amount of devotion.

But not all our time there is spent in work; punctually at 5 p.m. every day, all the men who can swim leave the laboratory, and seeking a certain secluded spot where a plunge into deep water can be obtained, we disport in the briny deep. Then after supper, in the hour or so of light

that is left, baseball and tennis are indulged in. The rest of the evening is spent by the various members of the laboratory as they please. A good many play cards, others read and some play chess. The most enthusiastic of the latter class was Prof. Whitman, who often fought his part in the grand old game till late at night. The many places of interest within reach were often visited by members of the laboratory—Nantucket, Cottage City, Narraganset pier, Newport, Boston, etc.—and added greatly to the charm of the whole summer.

In drawing my remarks to a close, I wish to say that such an institution as this ought to be national, and deserves to be richly endowed, if only for its economic importance. In this very short notice, I have, of course, been unable to dwell much on the scientific aspects of the work, and have spoken of it rather as a pleasant summer's outing. But scientific work of the highest order has been, and is being, done at the Marine Biological Laboratory. All that is needed is more money to carry on the work, and this will come with added interest on the part of the general public. If institutions could be induced to support investigators' tables there, and send representatives each year, an enormous advance would be made. Why should not Toronto be one of the first to set a good example, which would, I am sure, be of lasting good, not only to our Biological department, but to Biological science in general?

#### HUMAN NATURE IN COLLEGE.

The college man is no longer expected to know nothing but what he learns from his books. On the contrary, he is looked upon as one who should have a fair knowledge of men and their ways. And this is but natural, for while living in the college world he has many opportunities to study human nature. Here he will meet with characters with whom he might never come in contact in the outside world. Hence it is said that a young man should go through college even if he could acquire as thorough knowledge of the arts and sciences by private study.

If, as it is said, human nature is the same the world over, and if "the proper study of mankind is man," every student should avail himself of the opportunities which college life affords him to study his fellow man. In the college world, it is true he generally sees only the better, the more noble dispositions of the human heart displayed; but he also has sufficient occasions to notice the foibles, the whims, the eccentricities which are characteristic of most men. Here he can obtain the scheming, wire-pulling propensities of some; the upright open-handed dealings of others. Here he beholds the ungovernable ambition of one; the quiet indifference of another. Here he meets the young man of a retiring disposition—the one who cares little for the applause of others; here, too, he meets the one to whom popularity is as the air he breathes.

We might go on and mention many other peculiarities that we have noticed in students. We might speak of the mirth-producing wit of some, the distressing failure of the jokes of others; the well-pleased appearance of that worst of bores—the punster. We might say something of the man who is ever ready to tell you what he has seen and done, and who never can let an opportunity pass to inform you of his likes and dislikes. Then we think of the one who always goes about ready to take offence at the least thing said or done which he can interpret as being a slight to him. So, too, we think of how we often hear the man who wishes to display his little knowledge, arguing in a loudly learned manner, and we see the smile of amusement and pity playing upon the countenance of the talented but unostentatious listener.

The study of such slight peculiarities in men may appear to some to be a waste of time. But to our mind it seems to be productive of a habit of observation which is worth a good deal to anybody, and the knowledge thus acquired will be of use in our dealings with men in the

future. Moreover, it aids us in making ourselves more agreeable in society. If we perceive what is disagreeable in the manner of others, it will be an easy matter to avoid such things in our own conduct. How often do we hurt the feelings of sensitive natures simply because we never think that what may be acceptable to some will be offensive to others. Whereas the man who has closely studied men seldom hurts the feelings of any.

Again, in college we are furnished an opportunity to study local and national characteristics. In an institution like our own, we meet young men from every part of the Union, and it is interesting to observe their various tastes and prejudices. Besides we are frequently associated with many from the various countries of Europe. Here we can notice the national traits depicted in the young man who has passed his youthful days where "the lordly Shannon flows," as well as of him who loves to tell of the storied castles beside the Rhine. Here, too, we have a chance to observe distinguishing traits of character in the native of Southern Europe, and we often listen to heartrending stories of freedom gone and cruel persecution, from the lips of a son of down-trodden Poland.

Hence an observant student can acquire a knowledge of human nature before he leaves college, which otherwise could not be obtained without considerable travel. And as his success in after life will principally depend on his ability to deal with men, he should improve every opportunity afforded him to study his fellow man. And even if this were not so, the habit of observing the peculiarities of human nature acquired in early life, may be the source of beguiling many a weary hour when travelling, or the source of great amusement when in the country or in riding in the crowded street cars of our large cities.—*Niagara Index.*

#### MIGNON.

[Translated from Goethe.]

Dost know the land where the citrons bloom,  
Where oranges glow in the leafy gloom?  
A gentle breeze from the blue descends,  
The myrtle still with the laurel blends.  
Dost know it then?

'Tis there, 'tis there  
With thee, my beloved, I fain would fare.

Dost know the house, by lofty pillars stayed?  
The hall's aglow, each room with light arrayed,  
And marble statues stand and gaze on me—  
What have they done, poor little one, to thee?  
Dost know it, then?

'Tis there, 'tis there  
With thee, my protector, I fain would fare.

Dost know the mount, whose path aloft doth twist,  
Where threads the mule his way through mist?  
In caverns dwell the ancient dragon-brood;  
The crag breaks off, and o'er it swirls the flood;  
Dost know it, then?

'Tis there, 'tis there  
With thee, my father, I fain would fare.

U. C. College.

A. A. MACDONALD.

Another lazy man has been found; he is on a western paper. He spells photograph, "4tograf." There have been only three as bad. One lived in Kansas and dated his letters, "11 worth;" another spelled Tennessee, "10aC;" and the other wrote Wyandotte, "Y&."—*Temperance Cause.*

The Johns Hopkins University has received from Mr. Robert Garrett, through Mr. J. T. Scharf, his library of Americana. Besides many works on early American history, there are several volumes of the *Baltimore American*, covering the war of 1815—1844 and some succeeding years,

# The Varsity

PUBLISHED EVERY TUESDAY MORNING DURING THE ACADEMIC YEAR, IN THE UNIVERSITY OF TORONTO

BY

THE LITERARY AND SCIENTIFIC SOCIETY.

The Annual Subscription is \$2.00 a year, payable strictly in advance. Single copies 10 cents.

All literary contributions and items of College news should be addressed to THE EDITOR, University College, Toronto.

All communications of a business nature should be addressed to THE BUSINESS MANAGER. Advertising rates can be had on application.

The office of THE VARSITY is at the corner of Spadina Avenue and College Street, Room 16, Bank of Commerce Building.

We are not responsible for the opinions expressed in our correspondence columns.

## The Editorial Staff.

EDITOR-IN-CHIEF - - - - R. H. KNOX, '92.  
BUSINESS MANAGER AND TREASURER - J. W. ODELL, '92.  
ASS'T BUSINESS MANAGER - - - R. S. STRATH, '93.

### ASSOCIATE EDITORS.

W. H. BUNTING, '92.	R. E. HOOPER, '92.
O. P. EDGAR, '92.	R. S. STRATH, '93.
S. J. ROBERTSON, '93.	S. J. McLEAN, '94.
F. B. R. HELLEMS, '93.	C. H. MITCHELL, '92, School of Science.
B. KILBOURN, B.A., Medical School.	T. H. WHITELOW, B.A., Medical School.

## The Directorate.

G. E. MCCRANEY, '92, Chairman.	A. R. GREGORY, '94.
J. A. McMURCHY, '92.	W. J. KNOX, '94.
J. A. COOPER, '92.	N. M. DUNCAN, '95.
G. R. ANDERSON, '93.	G. M. FERRIS, B.A., School of Medicine.
M. McDougall, '93.	E. B. HORNE, '93, Secretary.
V. G. F. MARANI, School of Science.	

MARCH 8, 1892.

## CONSTITUTION NIGHT.



**M**IS noted night has come and gone without any serious breaches being made in the bulwark of the Literary Society liberties. Discussion was well conducted and carried on in unusually good style. The only motions carried were those of Messrs. Horne and McCraney.

During the early part of the evening Mr. C. A. Stuart entered, and was treated with an ovation which did not subside for several minutes.

Mr. L. McDougall presented the report of the Gymnasium Committee, which was received and acted upon.

The report of the Home Committee was presented by Mr. V. A. Sinclair, which excited considerable discussion. Mr. Hellems seemed bent on reducing the number of periodicals on file. The changes made were not very serious. The motion by Mr. Strath, to put an extra copy of the *Globe* on file, excited considerable discussion, and would have carried had it not been for the magnanimous action of some impartial Grits. Mr. Gillies' motion, to have the *Glasgow Weekly Herald* put on the table next year, was in danger of being lost, when some wag on the back benches cried out "Scotland forever," which caused more than half of the room to rise to their feet.

A letter was read from the President thanking the Society for its resolution of pleasure on his being restored to health; and another from Her Majesty the Queen, conveying the thanks of the Royal family for the letter of condolence forwarded referring to the death of the Duke of Clarence and Avondale.

A special committee was appointed, consisting of the President, J. W. McIntosh, J. A. McLean, E. B. Horne, L. McDougall, E. Gillies, W. E. Lingelbach, R. Robertson and J. A. McArthur, to bring in a report on the Gymnasium question, which will report at a special meeting of the Society on Wednesday next, at 3 p.m. sharp, in the Y.M.C.A. Hall.

## MEDICAL NOTES.

Once again has our University, and particularly the connection with it of our medical faculty, been assailed by an untiring and indefatigable foe.

In an open letter to the Attorney General Dr. Geikie, Dean of Trinity Medical College, boldly and without qualification or proof asserts that of the \$160,000 voted by the Legislature to aid in restoring the University after the fire, the quarter part had been misappropriated and spent in building the extension to the biological building for medical purposes.

To this bristling philippic Sir Daniel Wilson has written a reply, which has just been printed for distribution, and which clearly and concisely sets forth the facts and figures of the case, showing how unwarrantable, unreliable and utterly without foundation Dr. Geikie's statements are.

It seems incredible that a man of his ability and standing with the public could, in the face of the financial statement of the University for the present year, to which he or anyone interested could have free access, make statements that a child possessed of the facts could easily refute. It cannot be believed that through ignorance he errs, and the only possible explanation of his extraordinary conduct is, that he deliberately and maliciously makes statements which he knows to be without foundation and fact, in the hope that the public, by the clamorous bombast and arrogant positiveness of his assertions, will be deluded into accepting them without proof.

Though still suffering from a severe cold, Prof. McCallum resumed lectures on Monday. It is expected his course of lectures on Physiology will be completed on the 18th, two weeks from Friday. On this subject alone over eighty lectures will have been delivered during the session, besides the many interesting and instructive demonstrations and "quizzes" which have been given. This affords an indication of how important a branch of medical education is, and how amply its teaching is provided for by our faculty.

On Thursday Mr. Bensley completed his short course of lectures to the second year on the Technique of Practical Histology. From their direct bearing on scientific investigation and the practice of medicine itself these lectures were deservedly popular, and Mr. Bensley is to be congratulated on the able and thorough manner in which he presented the subject.

Though the provision made for our instruction in Histology is decidedly superior to that of other medical schools of the Province, yet the time devoted to its teaching is altogether out of proportion to its importance. One would suppose from reading our calendar that the subject of Histology was one of minor importance in our course, and as such apparently it is treated, since our time table provides but two hours per week for practical instruction, and up to the present we have had no lectures whatever on the subject, except the above-mentioned lectures on Technique. As it is at present, unless a second year man goes to the expense of providing himself with a microscope, he cannot hope to arrive at the degree of proficiency in microscopical work required to properly fit him for the Pathology of the third year.

To enter upon the study of Pathology without having first had a thorough grounding in Histology is folly and a mistake or misfortune which many third year men regret at their leisure. It is to be hoped our course in the near future will be rendered more perfect in this respect.

## EXAMINERS.

We have been asked on several occasions to furnish the readers of VARSITY with a list of examiners for May, 1892. We are indebted to Mr. James Brebner for the following in Arts and Music. One in Medicine, etc., will follow in our next issue.

## ARTS.

Classics,—J. C. Robertson, B.A.  
Classics and Ancient History,—W. S. Milner, B.A.; H. Rushton Fairclough, M.A.; G. H. Robinson, M.A.; Rev. F. H. Wallace, M.A., B.D.

Mathematics,—A. T. DeLury, B.A.; R. Henderson, B.A.; J. McGowan, B.A.; A. R. Bain, M.A.

Physics,—I. E. Martin, B.A.; C. A. Chant, B.A.

English,—W. J. Alexander, B.A., Ph.D.; D. R. Keys, M.A.; H. H. Dewart, B.A.; T. C. L. Armstrong, M.A., LL.B.

German,—W. H. Vander Smissen, M.A.; A. J. Bell, M.A., Ph.D.; G. H. Needler, B.A., Ph.D.

French,—John Squair, B.A.; J. H. Cameron, B.A.; W. C. P. Bremner, B.A.; John Petch, M.A.

Italian and Spanish,—W. Oldright, M.A., M.D.

History and Ethnology,—H. H. Dewart, B.A.; E. C. Jeffrey, B.A.

Political Science,—J. M. McEvoy, B.A.; A. T. Thompson, B.A.

Chemistry,—William Ross, B.A.

Biology,—E. C. Jeffrey, B.A.

Mineralogy and Geology,—F. G. Wait, M.A.

Philosophy and Logic,—J. M. Baldwin, M.A., Ph.D.; Rev. H. E. A. Reid, B.A.; T. H. Mitchell, B.A.; Rev. P. S. Dowdell.

Oriental Languages,—Deo McGee, B.A.

Engineering,—John Galt, C.E.

## MUSIC.

Theoretical,—S. P. Warren, Esq.; Practical,—W. E. Fairclough, Esq.

## Y. M. C. A. NOTES.

The Rev. Dr. Thomas addressed the members of the Y. M. C. A. on Thursday last, on the subject of "Enthusiasm." The subject was treated in a very practical way, showing that nothing could be accomplished in any business or calling in life unless spirit and enthusiasm were put into it, and that the Christian life would be adopted in vain unless earnestness, zeal and enthusiasm characterized those who called themselves Christians in their work for the Master. The address was highly appreciated by those present, who, being college men, could well understand the force and application of the term enthusiasm.

The meeting on Thursday, March 10th, will be lead by S. Silcox, '93.

## GLEE CLUB ANNUAL MEETING.

The annual meeting of the Glee Club was held last Friday evening, the Hon. President, Mr A. T. Thompson, in the chair.

The reports of the Committee and Treasurer were presented, and showed that the past year had been the most successful in the Club's history.

After a few minor changes in the constitution, the elections were proceeded with, and resulted as follows: Hon. President, R. K. Barker; President, Percy Parker (accl.); Treasurer, A. F. Edwards (accl.); Secretary, A. L. McAllister; Pianists, P. Parker and J. T. Blythe; Curator, A. S. McKay. Committee: L. A. Moore, '93; H. A. Moore, '93; K. D. McMillan, '94; W. M. Lash, '94; F. W. Langley, '95; D. G. Boyd, '95.

## SCHOOL OF SCIENCE.

The Engineering Society met in Lecture Room No. 2, on Tuesday, March 1st, there being a large attendance. The Vice-President, Mr. A. T. Laing, occupied the chair. After the minutes were read, business was proceeded with. The editor reported in behalf of the Committee recently appointed to procure those papers which have been read before the society since the publication of the last pamphlet, and which have not yet been embodied in this year's issue. At the same time Mr. Goodwin reported concerning the progress of the "pamphlet." As a result of a nomination made at the previous meeting, the chairman declared Dr. A. P. Coleman an honorary member of the Society. The programme was proceeded with. Mr. S. G. Curry, a prominent down-town architect, gave an informal talk on "Heating of Buildings." He traced the progress of this branch of architecture since the times when our forefathers regaled themselves before the ancient fire-place. He treated of the principle of heating by stoves, hot air furnaces, hot water and steam, including their many modifications and varieties. The address was a most practical one, and the speaker showed and discussed many points in regard to heating, which would be of value to the members of the society. A spirited discussion followed, in which many of those present took part. This ended the programme, after which new business was then proceeded with. As the next meeting is for the discussion of the constitution and nomination of officers, notices of motion were given by several of the members.

We have another member of the Class of '90 back to take a special post-graduate course. Mr. M. A. Bucke, who has been of late on the Geological Survey Corps, is pursuing a course in Assaying in the Mineralogical Laboratory.

This year's "Pamphlet" is nearing completion, and, before long, it is expected it will be in the hands of the students. The Committee on Publication, under the management of the energetic editor, Mr. J. B. Goodwin, '92, has been working hard to make this number perfect, and the present indications are that this year we will issue a publication which will have no equal in any of the colleges on the continent. Already all the matter is in the hands of the printer and the advertisements well looked after, so that it is likely that within three weeks we will welcome "Pamphlet No. 5."

## MATHEMATICS AND PHYSICS.

The Mathematical and Physical Society met in Room 16, University College, on Thursday, March 3, the President, Mr. Loudon, in the chair. After the reading of the minutes, the President called upon Mr. J. F. Howard, B.A., who read a paper on "Games of Chance." Mr. Howard divided gamblers into five classes according to their luck, and showed from the theory of probability that there was nothing phenomenal about men having marvelous runs of luck, either good or bad. The Geneva Lottery was the particular example selected for illustration. In this the numbers range from 80 to 90, and five are selected at random, which the competitors are expected to name—either one, two, three, four or five of these numbers and also their order. Mr. Howard deduced the probability of an investor accomplishing this, and showed the enormous disadvantage under which he labored by comparing the prize with the actual value of his chance.

Mr. W. O. McTaggart, '92, read a paper on "The Gyroscope," detailing its history and applications to scientific investigations. From a given velocity of the instrument at any latitude it was shown how the velocity of the earth might be deduced, also from a given velocity of the fly-wheel the velocity in azimuth was deduced and *vice versa*. From Euler's and Lagrange's equations of motion a formula was obtained by means of which it was shown that

as the velocity of the fly-wheel decreased the velocity in azimuth increased.

Mr. G. R. Anderson, '93, read a paper on "Measurement of Time." The various mechanical devices used for this purpose, from the sundial and clepsydra down to the modern chronometer and chronograph, were described, with a history of the invention and improvements brought about in these machines to meet the requirements of scientific investigation. A number of instruments were exhibited, and some diagrams served to complete the illustration of the paper.

On motion of Mr. McLennan, seconded by Mr. Merrill, the publication of the papers read before the Society during the present year was deferred until next fall.

### OUR UNIVERSITY.

Through the kindness of the Minister of Education we have been furnished with the Annual Report of that Department for the year 1891, which, among other things, contains the following, regarding the Masters in our Provincial High Schools and Collegiate Institutes and the Universities from which they graduated. Out of 155 teachers, who are college graduates, in our Collegiate Institutions, 113 are from Toronto University; and out of 150 in our High Schools, 80 belong to us. The list is as follows:—

Toronto.....	193
Victoria.....	51
Queen's.....	40
Trinity.....	13
McGill.....	1
Manitoba.....	1
British.....	6
Assistants' Certificates.....	47
1st Class Professional.....	123
Permits.....	3
Regulation, 59.....	6
Grand total.....	484

From this it will be seen that our University not only graduates large numbers in Law, Medicine and Theology, each year, but also supplies the greater number of teachers for the Province.

The following is taken from the report of W. Mulock, Vice-Chancellor of the University, to the Honorable Sir Alexander Campbell, K.C.M.G., Lieutenant-Governor of Ontario:—

"During the year 1548 candidates were examined in the different Faculties as follows:

Faculty of Law.....	17
Faculty of Medicine.....	292
Faculty of Arts.....	1202
Department of Agriculture.....	11
Department of Dentistry.....	26
Total.....	1548"

### BASEBALL.

The proposed Intercollegiate League will not be formed this year. After a favorable reply had been received by Manager Garrett from Cornell, word now comes from Ann Arbor that it will be impossible for them to enter this year, they having made previous arrangements. But it is altogether likely that the League will be formed for next year.

However, there is a stir in baseball circles, as Cornell and Niagara will be here in May, and Ann Arbor has promised a game here in June while on their eastern tour.

An effort will also be made to have a game with Ottawa College; and as soon as snow flies practice will begin for the annual game against the graduates.

H. E. S.

### MODERN LANGUAGE CLUB.

A business meeting of the Modern Language Club was held Monday week, with Mr. Cameron, President, in the chair. Several notices of motion had been given at the previous meeting; these were, after some discussion, voted on, and, with the exception of one brought in by Mr. Gillies affecting the way in which members are received, were all voted down. Numerous suggestions for the future management of the Club were handed in to the Committee, which will no doubt be of considerable service to the Committee in arranging the meetings for next year.

Business being over, the members assailed the Curriculum, and for some time wild and impracticable plans of improvement were advanced. At last, however, a Committee of five was appointed to interview the Faculty and ascertain what could be done.

### OPINIONS OF VARSITY.

The following are a few opinions concerning our contributors, selected from the columns of our numerous exchanges:—

The *Acadia Athenæum* has the following to say of us: "THE VARSITY continues to maintain its high degree of excellence. In the 'Editorial Comments,' of the issue of January 12, some sound advice is given to writers in general, and to writers for college papers in particular. Among other things is found the following, 'Let us be plain. No high-flown, classical-sounding words and phrases, but good "every-day" English, which will beget a truer response from the heart of a student, a firmer belief in the truth of your statements regarding the scheme or reform you are advocating, a greater sympathy on your behalf than any long-worded, heaven-piercing dissertation which the ordinary reader has to puzzle his brains to understand.' This touches a point on which young writers are frequently at fault. In writing for college papers the aim should not be to display our knowledge of language, but to express our thoughts in a clear and forcible manner."

THE VARSITY for January 19 and 26, and Feb. 2, is on hand. "Of English Blank Verse" is a gorgeous piece of rhetoric, probably written by an admirer of Macaulay's Essay on Milton, but perpetually sacrifices truth to point, as when it says that no blank verse since Milton's can have any interest for us. P. McArthur, an ex-student, now on the staff of one of the great American comic papers, contributes a poem "Our Professor—A Memory," which shows that he is as good in a serious as in a comic vein. The reports of the Literary Society meetings are good, giving exact accounts of all that takes place, and the names of the principal speakers. We see in one that McGill defeated Varsity last month in a public debate, the question being: Resolved that the effects of the French Revolution have been beneficial, or something of that sort, for the exact wording is not given. We wish that VARSITY had given the exact wording of the question, and the date on which the debate took place.—*Queen's College Journal*.

THE VARSITY always displays in its editorials a fearless expression of student opinion which is refreshing. The contributed articles, both prose and verse, are of a high order, and the college news indicates a live institution.—*The Presbyterian College Journal*, Montreal.

Yale, Johns Hopkins, University of Michigan, Cornell, and Dartmouth all have Young Men's Christian Association buildings.

Cornell has 1,500 students registered this year against 1,280 last year. This is the largest number in the history of the institution. The list of officers of the university has also increased from 121 to 147.



## SELECTED QUATRAINS.

## SCHEMES.

I lit my pipe and dreamed of writing books,  
My reverie no sound discordant broke,  
And there I sat and in a night put forth  
A wondrous volume of tobacco smoke.

## COY.

A light wind wooed a flowret once,  
And all a summer's day it pled;  
But still the more it breathed its love,  
The more the flowret shook its head.

## TO AH SIN.

If it be true, O Chinaman,  
That through the eye the soul doth shine,  
There must be much obliquity  
About that silent soul of thine.

## THE KINDEST SEASON

When winter dies we triumph o'er  
The surly foe of sunny hours;  
But spring, forgiving, on his grave  
With lavish hand bestrews her flowers.

## SPRING.

Dame Nature now, on pleasure bent,  
Puts on her gayest duds  
And introduces to the world,  
And chaperones the buds.

P. McARTHUR.

## A DREAM.



WAS very tired. In fact I had a tired feeling hanging over me for a week past; a feeling that makes one imagine that there is a dismal cloud surrounding him through which he can see no pleasure, no amusement, and in the midst of which he strives in vain to study.

I dragged myself up to my room and began to contemplate as to how I should restore my depressed spirits to their normal state of activity. I threw myself into my upholstered chair, which stood invitingly with its arms spread out before the fire-place, and looked about me in search of something pleasing upon which to rest and soothe my weary eyes. I first turned to my window, the panes of which seemed to be sweating with heat on the inside while freezing on the outside. It was snowing quietly without, and the calm stillness of the night was frequently broken by a swish and a thud, as the snow slid off the slate roofs in the neighborhood.

I turned away with a shiver, but thankful that I found myself comfortably seated before a fire that protected me from the cold with its genial energy.

My lamp was burning dimly on the mantel, and its rays of light, shining through a green shade, gave a frosty appearance to the atmosphere of the room. Everything looked cold, and I found relief only by looking blankly into the fire before me. What a fascination one's thoughts have for flaming coals! What a confidence one has in burning embers! While thus gazing into my fire, I think of how many secrets I have confided to it, which I know it will keep forever. I think of the letters which I have occasionally given to its charge. 'Twas but yesterday that I gave it a lock of black hair, which wiggled and sissed like the tongue of a serpent as it disappeared up the flue.

"O fiery element of my hearth," I thought, "in whom I confide my secrets and who knows my weakness, what is the cause of my depressed state of mind? What shall I do to banish the dismal cloud that enwraps me?"

One spark shot up, and then another. Then a shower

of them ascending and increasing the intensity of their light, illuminates everything about. Presently all is bright and I hear the strains of sweet music in the distance. I hear rustling of dresses. I see men in dress suits and women in beautiful costumes fluttering about. And soon I find myself laughing and talking amid the merry throng of familiar voices and faces. Beautiful flowers with their sweet perfumes; heavenly music and the laughing and enjoyment of every one about, tend to form the atmosphere of a paradise or a fairy land. I was full of happiness; I laughed and talked, and my very heart felt light with enjoyment, for everything about was familiar. The corridors were the same old corridors, but they were illuminated with brilliant lights, decorated with beautiful flowers and thronged with bright faces. A continual promenade, in time with band music, was kept up along the east and through the main corridors, while groups of merry hearts were scattered here and there through the lecture rooms: some sipping ice-cream, others looking at curiosities or examining specimens.

And so the minutes sped on, each one adding some new charm to my fancy, and making me realize more and more that in the very rooms where one's head aches daily over deep problems and opaque theories, there exists a satisfaction for the desires of one's heart, and a true recreation for the mental faculties.

The minutes passed quickly into hours, and indicated early morning before the people began to disperse and the conversation ended.

When I reached the outside, instead of seeing the white lawn and the surrounding trees silver-tipped with snow, I saw nothing but a black fire before me and my lamp burning on the mantel. My window was slightly open and a few flurries of snow blowing in. I, shivering, got up and closed it, at the same time thinking how disappointing are dreams.

A.

## UNIVERSITY CALENDAR.

NOTE.—Contributions to this column must be received before Saturday night. The secretaries of the different societies are requested to furnish us with definite but very concise information as to the time and place of meeting.

## TUESDAY, MARCH 8TH.

Class of '94 Prayer Meeting.—Y.M.C.A. Hall, 4 p.m.  
Class of '93 Prayer Meeting.—Y.M.C.A. Hall, 10 a.m.  
Classical Association.—(a) "Comparison of Virgil and Homer," Mr. W. H. Gillespie, '94; (b) "The Causes of the *Æneid's* Popularity," Mr. A. Eddy, '94. Y.M.C.A. Hall, 4 p.m.  
Natural Science Association.—Notices of motion for constitution, also nomination of officers. Biological Department, 4 p.m.

## WEDNESDAY, MARCH 9TH.

Literary and Scientific Society.—Special meeting.—Receive Report of the Gymnasium Committee and other very important business.—Y.M.C.A. Hall, 3 p.m.  
Mass Meeting of the Students. Y.M.C.A. Hall, 2.30 p.m.  
Y.W.C.A. Meeting.—Y.M.C.A. Hall, 4 p.m.  
Y.M.C.A. Bible Class.—Y.M.C.A. Hall, 5 p.m.

## THURSDAY, MARCH 10TH.

Class of '95 Prayer Meeting.—Y.M.C.A. Hall, 8.30 a.m.  
Oriental Seminary.—Room 6, 2 p.m.  
Y.M.C.A. Meeting.—Conducted by S. Silcox, '93—Y.M.C.A. Hall, 5 p.m.

## FRIDAY, MARCH 11TH.

Meeting of Senate.  
Varsity Editorial Staff.—Varsity Office, 7 15 p.m.  
Ladies' Glee Club.—Y.M.C.A. Hall, 1 p.m.  
Literary Society.—Nominations.—Elections next night. Y.M.C.A. Hall, 8 p.m.

## SUNDAY, MARCH 13TH.

Bible Class.—"The Tumult in the Temple," Acts, xxi. 27-40. Rev. J. P. Sheraton, D.D. Wycliffe College, 3 p.m.

## MONDAY, MARCH 14TH.

Class of '92 Prayer Meeting.—Y.M.C.A. Hall, 9.40 a.m.  
S.P.S. Prayer Meeting.—Y.M.C.A. Hall, 5 p.m.  
Modern Language Club.—"Cardinal Newman." Essays: Life; Novels.—Other Literary work. Y.M.C.A. Hall, 4 p.m.

## TUESDAY, MARCH 15TH.

Class of '94 Prayer Meeting.—Y.M.C.A. Hall, 4 p.m.  
Class of '93 Prayer Meeting.—Y.M.C.A. Hall, 10 a.m.  
Philosophical Society of '94. Y.M.C.A. Hall, 4 p.m.



## NOTICE

All reports of meetings or events occurring up to Thursday evening must be in the hands of the Editor by Friday noon, or they will not be published.

## 'MIDST THE MORTAR BOARDS.

Kerr McMillan and his blue spex mean business in May.

Let us have a Literary Society election regardless of expense or dry goods.

A number of Varsity men figured prominently in the Y. M. C. A. assault-at-arms on Friday night.

Our editorial on Athletics was up in type before the report of the Gymnasium Committee was received.

A mistake appeared in our last issue. Mr. J. S. Witton, B.A., is President of the Sandpaper Club.

Part of the third year students in Moderns were cordially entertained by Mrs. Squair on Friday night last.

W. Parks, assistant to Dr. Pike, met with a severe and painful accident last week while working with the electric battery.

"Old Roman" protests against having his identity known unless he is granted a body-guard at the expense of the Directorate.

Miss C. E. Jeffrey, '93, is absent from College owing to the death of a sister on Tuesday last. Miss Jeffrey has the heartfelt sympathy of her many friends.

Mr. H. W. Brown, ex-President of the Modern Language Club, has completely recovered from his late very severe illness, and intends taking a trip to Germany shortly.

We are deeply indebted to the critic of the first year for his kind and justified criticism of the men designated by "Old Roman" as the "incompetents" who run this paper.

The genial students who accepted Mr. Keene's invitation around to Rossin's taverns are to receive photographs of the great Thespian. So at least it is currently reported.

We are glad to hear of the complete recovery of Jack McCrae, '92, who had a light attack of diphtheria lately. He resumed his duties as lecturer in the Ontario Agricultural College yesterday.

One of the lady students informed a sophomore member of the staff, that unquestionably there would be co-education as long as the University lasts, unless the men all leave. Her opinion is probably correct.

A social meeting of the class of '95 was held in Y.M.C.A. Hall, on Saturday evening. This being the last meeting which it is the intention of the class to hold this session, there was a large attendance. A short programme was rendered, which appeared to be much appreciated.

F. B. R. Hellem, '93, is happy in the possession of an original Henricus Stephanus edition of Herodotus. The ponderous tome was published in 1608, and has stood its 300 years of wear and tear without any considerable damage.

At the Natural Science Association meeting, on Tuesday, Mr. Preston read a carefully prepared paper on "The Effects of Electrical Stimulation on the Spinal Ganglia," and Dr. Pike gave a description of the new Chemical Laboratory.

In the course of some of our recent Natural Science researches we found an old Latin inscription. On analyzing it à la Chapman, we found: "Hic Jacet Camillus, civis Romanus, homo et vetus semul et perditissimus, asinus asinorum, quod muliebres odiit. Requiescat in inferno."

Miss Edith Curzon, B.A., of the School of Practical Science, who spent three weeks of February at Ottawa, undergoing her examination, is now a legally qualified public analyst. She is the first woman in Canada to obtain this qualification, and deserves great credit for her success.

The election of officers of Knox College Literary and Theological Society took place last Tuesday. Following is the result: H. R. Horne, B.A., President; Jas. Wilson, B.A., Vice-President; John R. Sinclair, B.A., Critic; Geo. A. Wilson, B.A., Rec. Sec.; Jas. A. Mustard, B.A., Cor. Sec.; A. Budge, Sec. of Com.; T. Menzies, J. R. Wilson, T. Sinclair, Councillors

THE CLASS OF '92.—The Class of '92 met in the Y.M.C.A. Hall on Thursday afternoon. This is perhaps the last meeting as undergraduates and was fairly attended. The President, on behalf of the Class-Book Committee, reported that the work of editing was about completed and that the book would be sold to subscribers only. A deposit of 50 cents will be required at the time of subscribing and the balance on receipt. It is expected that the cost will be about \$1.00, and that the book will be delivered at the Graduating Dinner. Students wishing a copy will kindly interview the Treasurer, Mr. J. Vining. Mr. J. A. McLean was chosen to deliver the valedictory at the Graduating Dinner. The Constitution of the Society was then amended in view of the changed circumstances of future years. The sixteen offices existing at present were reduced to eight, viz.: President, Vice-President, Secretary-Treasurer, two Historians, Orator, Poet and Diner-Out. After the business was disposed of the literary programme was taken up. The Prophet, Mr. E. B. Merrill, favored the class with a prophecy dealing with some scientific and social questions

from a speculative standpoint, which was well received. Mr. F. C. Brown, as Wit, read an amusing essay on a subject dear to the heart of every male undergraduate. Mr. Perrin acted as Critic

## DI-VARSITIES.

I loved a freshette, young and fair;  
I once believed her through;  
But printed lists alas! have shown  
They pluck the freshettes too.

Van Quizz: Just look at that fellow's face. Surely that's not a natural growth of whiskers. Van Phizz: Why no. That poor fellow got entangled in the street railway company's sweeper. He lost his chin and brought out the cylinder.

Miss Oppa Retta: Another man next door is dead. Mr. Medi Koo: Well, now, Oppa, you should stop singing till he's buried. Miss Oppa Retta: Why? Mr. Medi Koo: Because even if you have no regard for men's lives, you should at least have a little respect for the dead.

## HOCKEY STICKS AND PUCK

Finest Quality at Lowest Prices.

P. C. Allan's, 35 King Street West

E. W. SCHUCH  
CONDUCTOR

University + Glee + Club

Receives pupils in Voice Culture and the Art of Singing at his residence

: : : 3 AVENUE STREET

J. A. MILLS  
DENTAL SURGEON

GRADUATE AND MEDALLIST IN PRACTICAL DENTISTRY OF R. C. D. S.

Office: Steward's Block, South-West Corner Spadina Avenue and College Street, TORONTO.

## Lessons in German Conversation

BY A NATIVE GERMAN

35 cents per Hour. Reduction to Classes

FRAULEIN LAPATNIKOFF

349 COLLEGE STREET.

References: Dr. Needler, Mr. Squair.



ESTABLISHED 1836  
SOUVENIR OF OLD VARSITY.

University Arms made of metal from the old Bell.  
SOUVENIR TEA SPOONS

With cut of old University Building represented.

J. E. ELLIS & CO., JEWELLERS,  
CORNER KING AND YONGE STREETS, TORONTO