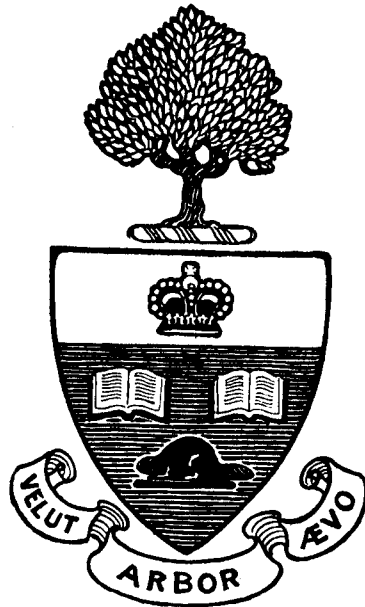


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No. 6.

The University and Industrial Chemistry.

PERHAPS it is too much to say that the Industrial Chemist is born, not made. It is certain, however, that with him, no less than with violinists and those who string pentameters, the mysterious inner ferment known as "temperament," is necessary to his success. To put it another way, Technical Chemistry (to use the wider term), should be more engrossing than any other subject of thought and work to the man who desires to pursue its practice; otherwise, he should try something else.

In order to comprehend the Relation of the University to Technical Chemistry it is necessary to partially answer three questions; these answers should indicate roughly how much depends on the school and how much on the student.

The first question is: What is the work of a Technical or Industrial Chemist? The reply is not easy to put in a few words. The popular conception of Applied Chemistry is that its pursuit is eminently materialistic, whereas the truth really is that the Industrialist often deals less with matter than with men, and less with men than with ideas. Thus, he must grasp the wants of the particular business in which he is engaged, in order to generalize on the previous methods of filling those wants, and to project improvements for the future; sifting the good from the bad, the practical from the visionary, the commercial and economical from the extravagant and the merely symmetrical. In this, imagination tempered by horse-sense are his most useful allies.

In dealing with Men, the Industrialist most often falls into error. He sometimes appears to imagine at first that the so-called "practical man" is to be his pupil—that he himself has nothing to learn from the practitioner. Without dwelling on the fine irony of terming the empiric a "practical man" in order to differentiate him from the supposedly scientifically-trained individual, it is well to insist on the fact that each can teach the other much, and that the Industrialist's attitude towards the much-abused practical man may well be one of discriminating humility.

In dealing with Matter, a complete disillusionment is apt to overwhelm the aspirant, who has not unreasonably accepted the belief that he knows something of Applied Chemistry from a study of the text-books. He finds himself in a new world, where, in the examination of raw materials, stock in process of manufacture, finished products, waste and by-products, fuels and lubricants, and the thousand unexpected matters thrown

in his way, it is well for him to remember that his chief aim must ever be to attack his problem boldly and fundamentally, root and branch, and to keep on keeping on until he succeeds in finishing his task. The "fiddler," the mere tester and prescriber of palliative measures, easily degenerates into what has been called "a hod-carrier of science."

The second question: What scope is there in Industrial Chemistry for the beginner? evokes the reply that there will probably be many opportunities in the near future for men who recognize that it offers them no royal road to success, but rather one of the most laborious long-distance chases that man can indulge in. In Germany there are single manufacturing firms which employ more Industrial Chemists than there are in

all Canada. In the United States the practice of employing Industrialists is on the increase. Great Britain and Canada, as the pressure of competition increases, undoubtedly must follow this lead. Yesterday, the dazzling chances and mystery of Electricity attracted our young men, to-day its drawing power has lapsed, to-morrow it may be that Industrial Chemistry will be the Potosi—the Klondyke. It is needless to say that those who look at it thus will be deceived to-morrow as their brothers were deceived yesterday.

The third question is: What qualifications should the beginner have? He should have, of course, a good knowledge of Physical Science. By this is meant, not an incidental smear, acquired whilst following a curriculum of essentially foreign studies; but the product of an application as serious and prolonged as that which is considered necessary for the candidate for admission into the grand trades unions of Medicine and Law. In the second place, he should have a good mathematical training and a knowledge

of the elements of mechanical engineering. These his University can give him. Exoterically, if he has time to learn to be a pretty fair pipefitter, plumber, glazier, blacksmith, glass-blower, and carpenter; if he can keep books, make costs, and often say "I don't know," he will find these to be very useful additional qualifications for his work. And if, after the contemplation of this list, he still desires to become an Industrialist, his faith in himself is not unlikely to carry him through.

It is unnecessary for the commencing Industrial Chemist to possess a broken heart. He will be accommodated with that qualification soon and often.



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DALHOUSIE COLLEGE.

A Paper of Information.

AS it was possible for such an embodiment of wisdom and knowledge as a Minister of Education to place us officially in the wrong town, in the wrong Province, some three hundred miles away, it may be as well to tell plainly where we are. Be it known then to all and sundry that "Old Dalhousie," as her sons and daughters love to call her, is the chief ornament and saving grace of the famous garrison town of Halifax, the capital of Nova Scotia. Both Province and city have a long and interesting history. This is the land of Evangeline, the home of the Acadians, a land of most varied and charming scenery, from the hills about the blue reaches of the Arm of Gold, that recall the glories of the Scottish highlands, to the rich, pastoral plain of the Annapolis Valley, "The Happy Valley," that Johnson only dreamed of. In the spring it is "a hundred miles of apple blossom," and at all times it is tenderly beautiful. To western eyes our city looks shabby and out at elbows. Errant Torontonians even suggest that our buildings want paint. One adventurous person advised beginning with our "Province Building." The suggestion strikes the true Haligonian like the proposal of the humorist in Black's novel, to whitewash Westminster Abbey. But which is preferable—to be spruced up with pigments and oils, or to pass into literature crowned and immortal?

Into the mist, my guardian prowls put forth;
Behind the mist, my virgin ramparts lie;
The Warden of the Honor of the North,
Sleepless and veiled am I.

But time would fail me to allude to a tithe of the charm of Our environment.

Our history is surely the strangest of all college histories. What other college sprang directly from a great war? When England was fighting for the dear life against all Europe and the greatest war-lord of all times, one little, forgotten, minor operation brought our College into being. In the last three years of the great Napoleonic struggle America "jumped on our back," and made war upon the loyal colonies. Here, in the Maritime Provinces, there were captures, reprisals, expeditions and sea fights that have never passed into history. At the end of the war, in August, 1814, a small squadron set out from Halifax to punish the privateers of Castine, a naval base in the State of Maine. The town was taken and held until the Peace of Ghent, and our forces brought back to Halifax the sum of £11,596 18s. 9d. Customs dues, which nobody proposed to spend at once. This was our first endowment, the Castine Fund.

The year after Waterloo, the black year, 1816, brought Nova Scotia a new Lieutenant-Governor, Lord Dalhousie, the ninth earl of that name. He was a soldier from boyhood; he had served in Ireland after '98, in the infamous Walcheren expedition, he had been desperately wounded in Martinique, he commanded the Seventh Division in the Peninsula; but perhaps his best title to fame is the fact that the great and good Sir Walter, friend from boyhood to old age, has recorded his worth in his priceless journal, and that he founded our college. His portrait hangs in the college library under two Boer flags our soldiers brought back as trophies to their Alma Mater. It is a fine portrait. "Fondator Noster" was every inch a soldier. Although over sixty years of age, after exposure and hardship in every quarter of the globe, he looks little over forty. His face is firm, frank, well-balanced, the face of a man.

Being a Scot and a Presbyterian, Lord Dalhousie was inclined to democratic and liberal ideas. The situation he found in our Province was singular. The one institution for higher education was based on Oxford ideas, and Oxford ideas of the Dark Ages before Oriel began to lead the way to reform. King's College was consistently Anglican. It required residence, it was supported by public money, largely con-

tributed by "dissenters," and yet no "dissenter" could obtain an education without subscribing to the Thirty-nine Articles on matriculation and again at graduation, and, in the period between, refrain from frequenting "seditious gatherings," Roman Catholic chapels, or the "meeting houses" of Presbyterians, Baptists or Methodists. This constitution, it is fair to state, was forced on King's, by an Oxford man, Sir Alexander Crake, who is enrolled with other worthies in the Dictionary of National Biography. He was a fine specimen of the "ultra," and tried to put in force here the ideas of Castlereagh. No one seems to have perceived the humor of the situation. Soon after his arrival, the new Governor suggested many reforms, and among them the foundation of a college at which no religious test would be demanded of professor or student, that would be open to all ranks and classes of the community, that could be entered without examination. The new College was modelled on Edinburgh. It stood and stands for liberal and democratic ideas. To this day the constitution of the College bears the impress of Lord Dalhousie's strong common sense. To put into play such educational ideas in the teens of the nineteenth century implies a breadth of mind, rare anywhere, and most of all in a soldier of the time. It amounts almost to genius. To endow this new venture, Lord Dalhousie used the greater part of the Castine Fund. The residue went to found another useful civic institution, the Officers' Garrison Library.

Our history has been chequered. The corner stone of the old building on the Grand Parade, where our civic offices now stand, was laid by Lord Dalhousie, in May, 1820, with elaborate Masonic honors. The building was not completed until some years later. It was a plain, solid stone affair, with a Greco-Georgian portico and three huge slabs above it, bearing a pompous Latin inscription. These are now imbedded in the wall of our museum. The building had a history. It was an art studio, a cholera hospital, a post office; it was used for almost every purpose except that for which it was erected.

The reason is plain enough. The poor nurseling of a college was entrusted to the care of the men who did not want to see it grow up. Part of the governing body, the corporation, were also the Governors of King's. How could the poor thing live? But live it did, in spite of everything. From 1838 to 1843, Dalhousie was in actual operation under one of our educational pioneers, the Rev. Thomas McCulloch, and a staff of three professors. On his death, no successor was appointed, and from 1849 until 1859, the Governors used the funds to support a high school. And still Dalhousie College lived.

In 1863, the College was reorganized and began its present remarkable career. The aim of the friends of the College was to unite all the colleges of the Province in one strong central institution. Dalhousie has always stood for college consolidation. Only the Presbyterians came to the rescue. The second president was the Rev. William Ross, the staff consisted of six professors. The strength of the College lay in the departments of Classics and Mathematics. The Professor of Classics was a Graduate of Trinity College, Dublin; the Professor of Mathematics was from Aberdeen. Their exact scholarship, high standards of attainment and teaching power established the Dalhousie tradition, and has made us a working College. In 1894, Dalhousians learned with deep regret that increase of work, due to the growth of the College, compelled the veteran Professor of Classics to resign his chair. This was followed by a heavier blow, the death of our beloved Professor of Mathematics, who died in harness only last year. He was to Dalhousie, much what Young was to Toronto, a unique personal influence.

The year 1879 is our *annus mirabilis*. Then it was that Mr. George Munro founded the first of the Munro chairs, in Physics. It was held by Prof. J. Gordon MacGregor, Dalhousie's most distinguished Graduate, Gilchrist Scholar, Fellow of the Royal Society, and now successor of the great Tait, in the chair of

Natural Philosophy, at Edinburgh. In 1881, Mr. Munro founded a Professorship of History and Political Economy, and in 1882, a Professorship of English. This was the first Professorship of English, pure and simple, founded in Canada. The first professor was the present President of Cornell, the second was Dr. Alexander, whose worth all readers of THE VARSITY well know. The old chair of Rhetoric and History was held from 1865 to 1880 by the novelist James de Mille. Truly, this is a remarkable succession. The other Munro chairs are Constitutional and International Law, and Philosophy. Professor James Seth, who held this latter Professorship from 1886 to 1892, is now Professor of Philosophy in Edinburgh.

Mr. Munro not only founded these five chairs, he gave in ten years over \$80,000 in scholarships and bursaries. Altogether, he gave over \$280,000 to Dalhousie, at that time the largest gift any college in Canada had received from any private purse. His good example was followed by Mr. McLeod, a merchant of Halifax, who, by his will, endowed three more chairs, in Classics, Chemistry and Modern Languages. Sir William Young and Mr. John Mott have also given large sums to the College. There is a host of minor benefactors whose names figure in the unemotional pages of the Calendar.

Dalhousie is a college. That is her official style. It connotes the intimacy of a small academic community, and borrows something of the charm that haunts the very names of Oriel, of Balliol, of Trinity. University signifies only guild, and to most ears connotes vague bigness. Dalhousie is small. We have no more than three hundred and fifty students, male and female, in Arts, the "solid Arts" chiefly, Law, Medicine, and now, in our new departure, Mining. Our staff is small, something over forty only of all ranks, but it is united and animated by one wish for the advancement of all the college interests.

Our strength does not lie in externals. We are housed in one building, which is almost as ugly as the School of Practical Science; but we are being rapidly crowded out of it. The next mansions of Dalhousie's soul will be more in keeping with its real beauty. Dalhousie is a public foundation uncontrolled by Church or State. *Lehrfreiheit* is complete. Its finances are admirably managed by some of the ablest business men in the Provinces. Her endowment, though insufficient, of course, is still most respectable, yielding an annual income of over \$26,000. Governors, staff, students and alumni are united for progress.

Furthermore, Dalhousie is alive. Last session, a few students started a fund for a College Library, in honor of our lamented Professor of Mathematics. They have secured promises of over \$19,000. Only \$20,000 was aimed at. This sum was secured chiefly from actual students and recent Graduates. During the same period, the Governors raised, chiefly through the untiring energy of the President, nearly \$60,000 for a School of Mines; and this session the preliminary courses are being given to an actual class of prospective Mining Engineers. Nova Scotia is one big plum-pudding of minerals; the greatest iron, steel and coal works in Canada are in course of development. Our Province is destined to be to Canada what New England is to the United States. No better site could be found for a School of Mines. Only seventeen miles away are the famous Waverley gold mines. We have the primary advantages of Freiburg and Lehigh, and we believe that our school is bound to be a success.

And Dalhousie has a record. The Dalhousie arms form our seal; the Dalhousie motto is the college motto, *Ora et labora*. Dalhousie is a working college, and has a fine tradition of achievement. Two Dalhousians direct the educational systems of British Columbia and Nova Scotia. We have nearly seven hundred graduates in Arts, and over nine per cent. have

filled college positions of various grades. The secondary education of the Province is largely in the hands of Dalhousians. The chairs of Philosophy at Cornell and Nebraska, of History and Greek at Wisconsin, to mention only a few, are held by Dalhousie Graduates. Every year we have students gathering honor at the great graduate schools, Harvard, particularly, Cornell and Johns Hopkins. At the last Harvard commencement two Dalhousians "made their doctor," and there are five or six there this winter. With Toronto, Queen's and McGill, Dalhousie enjoys the honor of nomination to the 1851 Exhibition Scholarship. Our last three nominees have all been appointed for a *third* year.

It must not be supposed that Dalhousians are a set of spectacled bookworms. We have also a war record. Dalhousians were at the front in '85. The captain of "H" Company at Paardeberg is one of ours, in Arts and Law. He was given a sword of honor by his fellow-citizens, and wears the D.S.O. On our first fifteen this year are an ex-corporal of the first Royal Canadians, who had two men shot on either side him at Paardeberg, and a trooper of Roberts' Horse, who came through the Sanna's Post affair, and returned an officer of the Strathconas. There were five Dalhousians altogether in "H" Company, and two, with no little trouble, brought home those two *vierkleurs* across the veldt and across the sea, all the way from Boksberg to their old College. Our first team has not been scored against this season, and they play the officers from the squadron and garrison, as well as the strong local amateur club. Some of our best scholars have been and are football men. Football is our game, the old-fashioned, sporting, uncontaminated Rugby. Besides the first and second fiftens that play every year for trophies, there are four teams of "colts" that play for the honor of placing the name of their faculty on a challenge shield.

There are many features of life here which differentiate Dalhousie from the western colleges, and not a few are attributable to the subtle influence of the sea. Halifax, being a seaport, is a half-way house to all places in the world. Freshmen who have doubled the Horn, or at least seen the West-Indian and South-American ports, are far from uncommon. A class of Dalhousians represent collectively many miles of travel. And they scatter far. We have five missionaries in Korea, two in Macao, two in Central India, others in Trinidad, British Guiana, and one in the New Hebrides. In fact, "Life at Dalhousie," the various intellectual, religious, social interests, the relations of staff to students, of students to one another, to the town, to sister colleges, to politics, the co-education problem, our needs, outlook, ideals, would require a small book. I shall feel very happy, as a native of Ontario, and a loyal son of Toronto, if I can succeed in turning any eyes in the direction of the sea-board Provinces, to consider our educational problems and history. A broader interest in sister colleges east and west will, I believe, tend to make young Canada wiser, more liberal, more proudly and intelligently patriotic.

A. MACMECHAN.

Dalhousie College, Halifax, N.S., November 6, 1902.

WHAT OUR EXCHANGES SAY.

THE total cost of the University of Michigan to the State has been less than the cost of one first-class battleship to the nation, and yet 17,184 persons have graduated from the University, besides 12,643 who have obtained a partial education there but have not graduated, thus bringing the total who have studied at that seat of learning up to about 30,000. Which is better for the nation, 30,000 educated men and women or one battleship?—McGill Outlook.

During the summer about 5,000 permanent seats have been placed upon the Yale football field, making the total seating capacity over 22,000.—Cornell Daily Sun.

DISTINGUISHED GRADUATES.

VI. ALEXANDER FRANCIS CHAMBERLAIN, B.A., 1886; M.A., 1889 (PH. D., CLARK UNIVERSITY, 1892); ASSISTANT PROFESSOR OF ANTHROPOLOGY, CLARK UNIVERSITY.

ALEXANDER FRANCIS CHAMBERLAIN was born in 1865 at Kenninghall, Norfolk Co., England. In his early childhood his home was transferred to America, first to New York State and later, in 1872, to Ontario. In 1882 Mr. Chamberlain matriculated at the University of Toronto, from the Peterborough Collegiate Institute. At the University he followed the Honors Course in Modern Languages, but his interests and tasks led him far afield, so that, when in 1886 he was graduated with First-Class Honors in Modern Languages and Ethnology, the class list gave only a slight indication of the extent of his reading, or of the amount of work that he had done. From 1887 to 1890, Mr. Chamberlain held the Fellowship in Modern Languages in University College, and, in this post, found the opportunity to enter upon the more systematic study and investigation of the problems of Ethnology and Anthropology. On the expiration of his Fellowship in Toronto he was appointed Fellow in Anthropology in Clark University, and when, in 1892, he attained to the doctorate he was promoted to a lectureship. In 1900 the lectureship was changed into an assistant-professorship.

Mr. Chamberlain's work in Anthropology found early recognition. In 1891 he was invited by the Council of the British Association to undertake certain anthropological researches in British Columbia. He has held the secretaryship of the Anthropological Section of the American and the British Association for the Advancement of Science; was one of the founders of the American Anthropological Association; is associate-editor of *The American Antiquarian* and *The American Anthropologist*, and since 1900 has been editor of *The Journal of American Folk-Lore*. He is also an honorary member of the Harvard Folk-Lore Club, and a corresponding member of *O Instituto de Coimbra* (Portugal).

In the face of so many claims, professorial and editorial, upon his time and energy, Mr. Chamberlain has ever persevered in his own investigations. More than 150 articles and monographs on anthropological, linguistic, psychological and educational subjects testify to his zeal, activity and scholarship. He has also published two comprehensive works: "*The Child and Childhood in Folk-Thought*," (N.Y.: The Macmillan Company, 1896); and "*The Child: A Study in the Evolution of Man*," (London: Walter Scott, 1900; Vol. 39 of the *Contemporary Science Series*). These works have been well received and highly praised by the scientific world.

Professor Chamberlain is still a young man. While he has achieved much, much is yet to be expected from him. In his future success, and in the distinctions that await him, his fellow-Graduates will find the same cause for pride and satisfaction as in the past.

CLASS OF '03 "AT-HOME."

The fourth and last annual "At-Home" of the class of 1903 Arts was held in the East Hall, Thursday afternoon, and was, in every way, worthy of the class who will leave our halls next spring. The attendance was large, though the hall was not uncomfortably crowded, and was so well divided that there were few who did not fill their programmes. The Seniors, from their worthy President down, proved themselves admirable hosts, and a good many of them made lasting impressions on the budding Freshettes. The strains of Glionna's Orchestra were never more enticing to those who promenade, nor the staircase more attractive to those who "set out." The floral decorations were a feature of the afternoon, and their popularity was proved by the rapidity of their disappearance. The Class Executive are to be congratulated on the success of their efforts.

NORTHWARD HO!

"THE North Pole man," he said, and I turned hastily to have a look at Capt. Bernier, the French-Canadian sea captain, whose ambition it is to spend four years in the frigid Arctic basin to search for the navigator's will-o-the-wisp, the North Pole, and to nail fast to it the Union Jack and the Maple Leaf Forever.

The Captain is short, but exceedingly thick set, and his round, red face, set off by a thick, closely-cropped black moustache and a high silk hat, was the picture of optimism. The Captain hopes to reach the pole, and physically and mentally he has every appearance of the man for the work.

He was glad to meet anyone interested in his project, and readily consented to talk for publication.

The Captain was in Toronto for the purpose of raising funds for his expedition, which will require \$120,000. He already has \$90,000 subscribed, and hopes that the Dominion Government will vote him what is still necessary. He will take three men from each Province, and the Ontario Government has promised to provide for the expenses of our contingent.

In response to an inquiry as to his plans, the Captain acknowledged his indebtedness to Gustav Lambert, a French officer, who first in 1866 proposed putting a vessel in the ice and drifting across the Arctic basin to the pole. It was at Havre, France, however, in 1878 that Capt. Bernier first caught the Arctic fever. He there met Capt. DeLong, who was setting out on an expedition to Wrangel Land, but was caught in the ice, and for twenty-three months drifted towards the New Siberian Islands, near which his ship, the *Jeannette*, was crushed by the ice and sunk in forty-six fathoms of water. This involuntary drift first set the captain thinking. In 1890 Nansen prepared to follow DeLong's course, but put his ship, the *Fram*, in the ice four hundred miles to the westward, and by drifting for eighteen months came within two hundred and forty-five miles of the pole, reaching 86° 13' N. latitude. Arguing from these two drifts, Capt. Bernier contends that by putting his ship in the ice at the right place and leaving Nature to do the rest he may reach the pole.

"Canada," he said, should have the honor of combining these two drifts into one, and of claiming, first, the north-west passage, second, our own northern boundary, and lastly, the honor of accomplishing this great act of seamanship which has been attempted by all nations.

"The only way to reach the pole," he continued, "is to build a special ship, go through the Behring Straits and put her in the drifting ice, with which, if not crushed, she will, after four years, drift out into the North Atlantic, having passed within less than two hundred miles of the pole."

The intervening distance he hopes to cover by a system of four relays, each party to survey, staff and provision one-quarter of the distance. This is to be facilitated by wireless telegraphy, gun signals, box kites for raising photographic instruments, drawing sledges and the like.

The captain expressed the opinion that there would be about two thousand fathoms of water at the pole, that the compass would probably show a little over 50° westerly deviation, and that there would be nothing in sight except ice in moderate-sized hummocks.

"A man standing at the North Pole," he concluded, "can see nowhere but south, the north only is above his head. If he wanted to go farther north he would have to raise himself. The North Pole is not a forbidden place, and therefore man has the permission to go there for his wants and pleasure, for God has given him free will."

THE SELF-SUPPORTING STUDENT.

HE is too well-known among us to require introduction. He is not the special possession of any one Faculty; he is found in all, pursuing with a firm determination the particular bent of his talents. He is invariably an enthusiastic student as well of men and of life as of books. He does not get to the University, perhaps, at as early an age as some of his classmates, but when he does he is the more appreciative. In his longer probation, too, he has had time to mould his character, and to profit by a closer view of the ordinary facts of everyday life. He brings with him a wealth of experience; he knows, to some extent, what life really is. He is, therefore, anxious to get the best out of the university life, and he takes part in everything, in athletics, in college societies, in college functions of all sorts, and he is not last in the class list. He forms one of the largest, most practical, businesslike and able elements of the student body.

These are simply plain matters of fact, for probably seventy per cent. of our students support themselves, either entirely or in part, during their stay at college.

Many of the men who come to the University have only sufficient means to support them during part of their course; these must be supplemented or the man must leave. Again, others have come here with scarcely anything in their pockets, but have nevertheless carried the day. Still other students work, during the summer months, for the experience they thus get, for change of work, and because they prefer employment to idleness. On the whole, the students of the University of Toronto are an energetic set.

How do men make their way through college? Can they carry on college work and outside work at the same time? Can a man earn sufficient in the vacations to pay his way during the college year? These and many other questions are asked. Without answering them directly, they shall be dealt with as we proceed. In this connection, however, it must be remembered that the men of whom we are dealing are not of the ordinary stamp. They are men filled with the idea that an education will be of value to them; they set out to win it, and they usually succeed.

Here are some of the occupations in which they commonly engage. The list is long and interesting: Selling books; selling stereoscopic views; "slinging hash" (to use the slang phrase), on boats and in hotels; farming; harvesting in the Northwest; acting as private secretary; tutoring; delivering newspapers in the morning and evening; acting as street car motormen and conductors; working in stores on Saturdays and at odd hours; bookkeeping in spare time; teaching in the Northwest in the summer—although this is not now so easily done; doing insurance work; acting as Parliamentary clerks, or as clerks in the Education Department; patternmaking; typesetting; copy-holding; proof-reading; newspaper reporting, and industrial work of all kinds.

These are all employments of a nature which may be and are engaged in by students in all the different Faculties.

There are also some which require special knowledge or for which certain students are especially adapted. Men from the School of Science often take positions as draughtsmen in surveyors', engineers', or architects' offices, or, again, they go into foundries and machine-shops or into mines, and gain a practical, working knowledge of the details of their particular branches of work, while, at the same time, paying their own way through college. Still others go on surveys; but many students of other faculties also do this.

Then there is that small army of students in Theology, of different denominations, who go out, summer after summer, into the mission fields to accomplish their particular work—a work which, at the same time, makes for the up-building of characters by instilling the idea of independence.

The versatility of the student is surprising. He seems able

to turn his hand to all these and to other things of which we do not even dream. Still, for him, a position must have two essential conditions attached: First, it must be of a sufficiently skilled or special character to afford a considerable remuneration; and, secondly, it must not demand too much of his time—he must be able to undertake it during his vacation or during whatever time he can spare from his studies.

Let us look at a few instances of what certain men have actually done.

One, who is now a Graduate and who holds a position on the staff of one of the large American universities, came here one year with only twenty-five cents in his pocket. He paid his way through his whole course and left with money to the good. He had done it all by tutoring.

Another, by selling views, paid for his Arts course, and for his Medical course. Again, a man, with a wife and family, came here with about \$100 to his credit. He sold views, and was able to support his family and to attend Varsity. Another, who is to-day a minister, paid his way during the whole of his Arts and Theological courses by working at nights on the street cars. Others have done as much by selling books. One man, during the summer months, ran a sort of general store on wheels, travelling about in a country district, and was very successful. Another took orders, here in Toronto, for butter and eggs, undertaking to furnish regularly the freshest and best. Being careful of the quality of his goods, he worked up an extensive trade and paid his way. Just one more striking case. A patternmaker, by trade, came to the University; he was almost without funds. He spent the most of the first month (October) at his trade, and thus, by saving, got a start. He was such a skilled workman that he could readily obtain employment at odd times. This enabled him, as he found his money running low, to do patternmaking for a week or two at a time, and thus support himself. He is now a successful Graduate.

Examples without number might be given, but these are sufficient to show how men have succeeded, and to point out how the financial question may be and is being met by the student. When some have triumphed, others can do as well, and there seems to be no good reason why the man who is determined enough should not have a college education. All honor to those, and they are many, who have fought the battle and won. Where it is possible, let us extend a helping hand to the one who we know is struggling in the relentless sea of financial difficulty, towards the shelter of our Alma Mater.

"V."

POLITICAL SCIENCE CLUB.

The first regular meeting of the Political Science Club will be held on Thursday afternoon at 4 o'clock in Room 2. The main feature of the programme is a debate on the timely subject: "Resolved that Considerations of Fair Trade Should Guide Tariff Legislation." The affirmative will be supported by Messrs. Gray and Ballard, and the negative by Messrs. Gibson and Eadie. A welcome is extended to all who wish to attend. The meetings of the Political Science Club have always been largely attended by students of other departments, the subjects discussed being generally of very practical interest.

L'ALLIANCE FRANCAISE.

A very pleasant two hours were spent at the Y.M.C.A. building on Friday evening at the first meeting of the L'Alliance Francaise. Monsieur Masson gave a short address and a reading from Alfred de Musset, "La Nuit de Decembre." Some time was allowed for informal French conversation, during which Monsieur de Champ was prevailed upon to sing, and delighted the audience with Xaurô's "Les Quatre-g-Etudiatus." The evening closed with an extremely interesting talk by M. de Champ on the subject of Heegues LeRoux and his works.

THE VARSITY.

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J. C. ROSS, Business Manager.

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TORONTO, November 19, 1902.

THE outcome of the investigation into the conduct of the police on Hallowe'en has been generally satisfactory to the students. The prompt justice which was meted out by the Commissioners will restore the confidence in our police department which the conduct of some of its men bid fair to destroy.

After duly weighing the evidence the Commissioners condemn the action of the police in no uncertain terms, and make the "amende honorable" to Dr. Reeve and to the students.

In the course of their decision they say: "The Board are of the opinion that the sergeant and his men were not in any sense justified in using their riding-whips as described in the evidence. * * * This violence was entirely unjustifiable and an unwarrantable abuse of their powers, and the Commissioners feel bound to express to Professor Reeve and his associates and to his students their sincere regret that their officers committed such a grave error of judgment."

We have no desire to dwell on what must be to all an unpleasant subject, but we protest against having every act of hoodlumism committed on Hallowe'en ascribed to the students, as was attempted by the police at the investigation. We need only refer to the charge that Principal Hutton's windows were broken last year by students to show the absurd lengths to which the police went in their attempt to make out a case.

Four officers were fined for disorderly conduct on Hallowe'en, yet no one would suggest that the police comprised the whole of the disorderly element let loose on that occasion. It is equally unjust to include the students in sweeping generalizations.

As we have said before, we do not believe that the students of the University of Toronto were implicated in any serious or malicious destruction of property. The extent of the damage brought home to any of our students has been trifling; and, as was shown in our editorial of two weeks ago, our men were in no way connected with the trouble on Yonge street after the theatre. As in the case of the Medical Students, the police found it easier to take for granted than to find out the facts.

It appears that the effect of the decision of the Commissioners may bear more heavily on the constables affected than was anticipated. The students have no desire to see the police suffer any special hardship. Their only idea in pressing the investigation was to clear their reputations, and have defined their rights. They are content with the verdict and would be sorry to see the offending officers deprived of a future increase in pay, should they resolve to be good henceforth.

The football game on Saturday with the Argonauts was a striking vindication of the Burnside rules, at least from the spectators' standpoint. The close-massed play with the ball lost from sight in scrimmage after scrimmage, into which the ordinary game too often degenerates, was entirely eliminated. From start to finish the play was open and the ball always in sight. The game bristled with long kicks, brilliant catches, sensational runs and splendid tackles. The spectators were kept on the "qui vive," and the game never flagged in interest for a moment, except for a few Argonaut supporters on whom the strain was too great. It is quite evident that under the new rules, speed and skill in catching and tackling are the chief requisites. The heavier, but older Argonauts were simply out-classed by the lithe young sprinters in blue and white. Weight, which counts so much in the American game, is met by the stringent rules against off-side interference. It is to be regretted that the Intercollegiate Union did not give the new rules a trial. There can be no doubt that their adoption would greatly revive the waning interest in football and add much to the prestige of the C.I.R.F.U.

* * *

The young gentlemen of the Toronto Church School are publishing a very bright little paper called The Owl. THE VARSITY welcomes this solemn contemporary and wishes it a long life and a merry one.

* * *

The Literary and Scientific Society of University College, or The Lit., as it is popularly called, is making a new record for attendance and interest. The executive have very wisely emphasized the debate as a feature of the society, and the selection of such engrossing topics for discussion as "The Reform of the Senate," "The Coal Strike," "The Ontario Liquor Act," "The Canadian Tariff," etc., has resulted in an attendance which is most gratifying. The Lit. is the one place around the University where the Undergraduate can get that training in parliamentary practice and facility in public speaking which every educated man should have. The men of the lower years will do well to become regular attendants of The Lit. The society meets every Friday evening in the Students' Union and men from all Faculties are always welcome.

* * *

The Hon. J. D. Cameron, ex-Attorney-General of Manitoba and one of our distinguished Graduates, of whom we shall have more to say later, in a recent address advocates the establishment of a department of Political Science in the University of Manitoba as a means of solving the tariff question in the West. It is gratifying to find a man acquainted alike with the possibilities of the university and the needs of public life thus appealing to the university to instruct public opinion on a question of such absorbing national interest as the tariff.

* * *

An Order-in-Council has been passed appointing Professor McGregor Young lecturer in Constitutional History. This is in addition to his present work in Constitutional Law and relieves Professor Mavor of this subject. We are pleased to see that the University estimates for the present year make provision for an increase in Professor Young's salary.

THE COLLEGE GIRL

MISS M. L. McDARRY, Superintending Editor.



THE Athletic Association has, of late, been taking such a conspicuous place in the thoughts of the College Girl of to-day, that I have been asked, in order to clear away any vagueness which may still exist among us, as to the meaning and purpose of this branch of our education, to give as full an account as may be as to its past organization, present activities and future possibilities.

The motion that a Women's Athletic Association should be formed, which should combine all pre-existing clubs, was made and the resolution carried no longer ago than March, 1901. The progress which has been made since this Association has been formed, short though the time has been, has amply justified the wisdom of the amalgamation of the several clubs—Tennis, Fencing, and Hockey—into one Association, and this year, more than ever, bids fair to fulfil the high expectations of the promoters and sympathizers to whom we owe the present flourishing condition of athletics among the women of Varsity.

In October, a resolution was moved and carried that "Basket Ball be gotten for the Gymnasium," and it needed but the addition of a Physical Culture Class, which was made last month, to make our Association complete. The first year of organization was passed very successfully under the able presidency of Miss Archer, '02, both as regards finances and athletic exercises. The girls made good use of the Gymnasium, where they fenced, played basket ball, and enjoyed other exercises; the Tennis Court was taken advantage of especially by city students, the academic term being somewhat short to allow non-residents taking an active part; while the Hockey Club had a successful and enjoyable season, in which some exciting matches were played.

Year teams of Basket Ball are formed and matches are to be played immediately, while a further inducement is offered to those already interested in Fencing by Mrs. Hutton, who will present a pin to the winner in the Fencing Contest, which will take place early in Spring. Fencing is taught by Sergeant Williams during the following hours: Monday—2 to 3 p.m.; Tuesday—11 to 12 a.m.; Thursday—3 to 4 p.m.; Saturday—11.30 a.m. to 1 p.m.

The latest addition which has been made to the list of our athletic exercises, Physical Culture, promises to be very popular. The services of Mrs. H. F. White (124 University avenue), have been secured for four days a week, when classes will be taught in the Gymnasium. The hours are as follows: Monday—11 to 12 a.m.; Tuesday—2 to 3 p.m.; Thursday—2 to 3 p.m.; Friday—10 to 11 a.m.

Students who have signed, and all desiring to do so, may attend any two periods a week (fee, .50c.) To the uninitiated, a statement concerning the fees required may prove acceptable. Fees (payable in advance) are: Regular students, 50c.; Graduates of University College, \$1.00; regular Undergraduates of Victoria College, \$1.00; occasionals, \$2.00. Members of the Athletic Club will be charged an extra fee of 50c. for Physical Culture for year 1902-1903.

A. R.

THE LIT.

IN the absence of Mr. Brebner, the chair at Friday night's meeting was ably filled by Vice-President McGuire. The business passed off briskly, and those present had the privilege of hearing an excellent debate on the tariff question. Seven speakers, each being allowed eight minutes, brought out the pros and cons of the subject, and then Professor Mavor, who had kindly accepted an invitation to be present, closed the debate in a lucid and interesting speech.

But, going back to the order of business, Secretary Day read his minutes and they were approved. The General Committee recommended that, in the Mock Parliament which is to be held in East Hall on November 28, the leader of the Government be Mr. F. R. Munro, and of the Opposition, Mr. A. Cohen. Mr. F. P. Megan, Chairman of the Dinner Committee, moved, seconded by Mr. C. H. Armstrong, that the annual dinner be held on December 9, instead of December 2. To Messrs. J. G. Lorriman and H. L. Kerr was assigned the pleasant duty of representing the Society at the "At-Home" of the Ladies' Medico-Literary Society to be held in the Normal School on the evening of November 21. Messrs. C. H. Russell and Walter Nicol are to uphold the interests of University College in the Inter-College debate against Wycliffe on December 5. Mr. S. E. Moore, '04, urged a good attendance at the Varsity-Argonaut game.

Business over, the next thing on the programme was the debate on the subject: "Resolved that the Canadian Tariff Should be Increased."

Mr. E. R. Read, '03, led off for the affirmative. He thought that Canada's progress should be symmetrical, all interests should be guarded, and at the present time the manufacturers should have the benefit of more protection. Mr. W. McTaggart, '04, for the negative, contended that trade restrictions were the mark of a primitive condition of affairs, that the reasons for the N. P. do not now hold, and that for the sake of keeping the West a contented member of Confederation we should not raise our present tariff. Mr. E. F. Hughes, '03, was in favor of raising our tariff in retaliation against the United States, and, with the aid of copious figures, he proved to a conclusion that Canada with her immense resources had a great future before her if she only travelled the road of high protection. Mr. W. M. McKay, '03, believed that Great Britain owed her greatness to Free Trade. He was a stalwart defender of the agricultural class, and thought that if anybody was protected the farmers ought to be. Canada was prosperous to-day, there was no need for extra revenue, why increase the present tariff?

Mr. A. Foulds, '04, had been doing some historical research work lately, and he had found that Edward III., by protecting the woollen industry, caused Flemish weavers to migrate to England and laid the foundations of England's greatness. Canada was young and unable yet to cope with such countries as Germany and the United States in the industrial sphere. Mr. M. Manson, '05, complained that under the present system our manufacturers were unable to supply the West with implements, and he had a lot of figures to show that greater prosperity attends a revenue tariff than one highly protective.

Mr. Henderson, '06, pointed out that Great Britain is a consuming, rather than a producing country, and hence free trade will work there in a way that it will not in Canada, which is largely a producing country. As for the West, it should be willing to sacrifice something for the sake of building up the east, considering what we have done for it.

Professor Mavor closed the debate and was accorded a hearty vote of thanks. It is a new departure to have the Faculty present at the regular meetings of the Society, and it is hoped that on some other occasions we may have other members present.

Next Friday night the McGill-Varsity debate will be held in the Conservatory of Music.

THE FRESHMAN.

I LOVE the Freshman. Start not, gentle reader, for although co-education renders it possible to construe this avowal to indicate the incipient stage of a tender academic romance, I hasten to offer assurance that the affection is purely a benevolent and dispassionate one—in other words, that I am a “mere man,” having a regard altogether brotherly for the fledgling follower after knowledge—or a degree.

I love the Freshman. From the dawning of the day of the hustle, when he arises “in all the silent manliness of grief” conscious that he is about to be “well shaken before being taken” into the heart of his friend the Sophomore enemy, until that last day when he hears, with a noble attempt at unconcern, the announcement that he is no longer of the First Year, my sympathy is ever with him.

For it is a sea of trouble upon which he launches; although, forsooth, he often seems unaware of that until the merry month of May draweth nigh, when “the wise and salutary neglect” in which he has indulged all year, strikes upon him with horrid suddenness, and he has to face the awful possibility of requiring another twelve-month to live down the charge of “Freshie.”

However, this species, whose progress towards industry never gets past that material with which, it is said, hell is paved, are, we shall hope, but a small fraction of that unaccustomed and unhandseled band of juvenile gentlemen who yearly join us.

There be many other things among Freshman idiosyncrasies over which we are sometimes tempted to smile; but to one whose star, while in the ascendant, is alas! Latin, and of the First Year, such occupation seemeth, indeed, Anathema Maran-atha.

E. H.

FRESHMEN DINE SOPHOMORES.

ON Wednesday night about one hundred and fifty gentlemen attended the reception tendered to the Sophomores by the Arts Freshmen at the Varsity Dining Hall. After an enthusiastic debate with the oysters, a short toast list was presented. After an able address, President Stinson, '06, proposed the health of “Our King,” which was responded to by the singing of the National Anthem. In proposing the toast to “Our Alma Mater,” Mr. H. P. Cooke, '05, made a special plea to the Freshmen for the better support of College and University sports. After a humorous reading by Mr. Lazenbee, '06, came the toasts to “Our Hosts,” “Our Guests,” “Athletics” and “The Ladies.” It is sincerely hoped that the very learned and eloquent remarks of the gentlemen who proposed and responded to the latter toast will be compiled in pamphlet form for the edification of would-be speakers on this topic, as they showed a research and observation of almost incalculable value into the qualities of “Man’s Guardian Angel.” Much valuable advice was also given the Freshmen for their proper conduct towards the Freshettes, under the gracious tolerance of the Sophomores. With the singing of “Varsity” a very pleasant evening was brought to a close. Although as many as two students were known to tip-toe out of the University grounds together, their voices softened to whispers, it is understood that the city police neglected their duty and permitted them to proceed as they liked. Doubtless the matter will be investigated.

B.

THE VARSITY hopes in the near future to publish articles by Mr. D. R. Wilkie, ex-President of the Canadian Bankers’ Association and General Manager of the Imperial Bank, on “The University and Banking”; and by Mr. W. T. White, B. A., a Graduate of this University and of the Law School, now General Manager of the National Trust Co., on “The University and Financial Institutions.”

SPORTS

J. G. LOERIMAN, Superintending Editor.

VARSITY 22, ARGONAUTS 8.

THE hearts of all Varsity supporters were made glad, Saturday afternoon, when the students gained a triumph over the Argonauts, in the first game for the city championship. The Burnside Rules were used in the game, and Varsity’s light and speedy players were vastly superior to the heavy Argonaut veterans. For the blue and white, Beatty was the most brilliant star, and he was easily the best player on the field. Pete Laing played a phenomenal game at full-back, and some of his relieves were nothing short of marvellous. On the wing line, Jermyn’s tackling was deadly, and Ernie Paterson was always on the ball. Hoyles and McLennan also shone brightly. Hardisty was about half of the Argonaut team, his punts and runs being particularly fine.

The game had scarcely begun when Beatty secured, and, after a beautiful 40-yard run, kicked over the line and Kent rouged. Immediately after, Gibson made a beautiful run to Argos.’ ten yards and passed to Beatty who kicked over the dead line. Varsity, 2; Argos., 0.

After the kick-out, there was a brilliant exchange of punts between Hardisty and Beatty, in which the Varsity crack gained ground. Paterson made a nice catch of Henderson’s punt, and kicked over Argos.’ line, where the fast Varsity wings compelled Hardisty to rouge. Varsity, 3; Argos., 0.

On the kick-out, Pud Kent tried a fake, but was tackled, and lost ground. Hardisty punted up the field, but Casey Baldwin caught, and came to the fore with a fine run down the side, passing to Gibson who was tackled on Argos.’ 20-yards. The ball was then snapped to Beatty, and he dropped a perfect goal from field. Varsity, 8; Argos., 0.

On the kick-off Beatty secured and kicked far down the field. Paterson followed up strongly and tackled Hardisty before he could get started. Hardisty’s punt to centre was caught by Beatty who punted brilliantly into touch-in-goal. Varsity, 9; Argos., 0.

Argonauts now became aggressive. Hardisty made a 35-yard run and kicked the ball to Baldwin behind the line. Casey kept the crowd in suspense while he dodged several oarsmen, but finally passed to Laing who relieved by a spectacular 30-yard run down the side. Hoyles intercepted a pass and after a pretty run passed to Paterson who gained 25 yards. An Argonaut off-side advanced Varsity 10 yards, but Hamber immediately brought it back by a pretty run. Baldwin raced down the field for a gain of 30 yards and soon after, on a fumble by Henderson, McLennan stole the ball and went over for a try which Baldwin converted. The half ended with the score. Varsity, 15; Argos., 0.

In the second half, the Argonauts forced matters for some time. Hardisty punted to Laing who was tackled on Varsity’s ten yards. Beatty punted to Hamber who was forced into touch at centre. Hardisty’s long punt was fumbled by Baldwin, but Gibson relieved by a sensational 30-yard run. Shortly after, Baldwin passed to Beatty who gained much ground. Hardisty punted to Laing who relieved, but Henderson returned over the line, and “Pete” was forced to rouge. Varsity, 15; Argos., 1.

Argonauts continued on the aggressive, and Pete Laing pulled off the most sensational play of the match, when he relieved by a 25-yard run. At this stage Kent and Beatty were ruled off for waxing pugilistic. The Argos. intercepted a pass

behind the line, and scored their only try, which was converted. Varsity, 15; Argos., 7.

Baldwin received the kick out, and punted over the line to Kent, who rouged. Varsity, 16; Argos., 7.

Beatty punted to Henderson, who was nailed on the 10-yard line. The ball was snapped to Hardisty, who started what looked like a long run, when Jermyn brought him down by a grand tackle on Argos.' ten yards. Hardisty fumbled a pass, allowing Young to dribble, and McLennan fell on the ball for a try which Baldwin converted. Varsity, 22; Argos., 7.

Just before time was up Hardisty punted over Varsity's line and Baldwin was forced to rouge. Varsity, 22; Argos., 8. The line-up:

Varsity (22): Laing, back; Baldwin, Beatty, Gibson, half-backs; George Biggs, (captain), quarter; Young, centre rush; Paterson, Burwell, McLennan, Pearson, Hoyles, Jermyn, wings.

Argonauts (8): A. Kent, back; Henderson, Hardisty, Hamber, half-backs; Bell, Jackson, Ferguson, quarters; Wright, centre rush; Boyd, Grant, Russell, Kent, Haverson, Gallow, wings.

The officials were: Referee, Rev. A. F. Barr. Umpire, Harry Griffith (Ridley College). Timer, Gilbert (Varsity). Goal Umpires, Chown and Biggs. Flagmen, Snively and Wiley (Ridley).

MULOCK CUP MATCHES.

SENIOR MEDS. 12, JUNIOR MEDS. 6.

The first match in the Mulock Cup Series, played Monday November 10th, resulted in a victory for the Senior Meds. The teams had not practised enough in the new rules to show any of its fine points, but the play was very open, and gave some evidence of the possibilities of the Burnside Rules. The half-time score was 1-0 in favor of the Juniors, but in the second half the Seniors, with the wind at their backs, forced matters and won by the above score.

Senior Meds.—Back, Aikens; halves, Jamieson, McLeod, Buck; quarter, Kappelle; centre, Panton; wings, Waterson, Locke, Smith, Lord, Sutton, Jamieson.

Junior Meds.—Back, G. McIntyre; halves, R. McIntyre, Balfour, Bennett; quarter, Robertson, centre, Hamilton; wings, McKinnon, Hague, Gowland, Andrews, Bourne, Hardy.

Referee, W. G. Wood. Umpire, Gordon Fleck.

SOPHOMORES 18, FRESHMEN 15.

The Mulock Cup game Tuesday between the First and Second Year Arts teams were replete with sensational features. The Freshmen were, early in the contest, afflicted with stage fright, but soon recovered, and at half-time were leading by 10 to 8. On recommencement of play the Freshmen's full-back promptly went over for a try, and the score was 15 to 8 in their favor. The Sophomores then settled down to business, and McKay and Rathbun got over for tries which won the game for '05.

First Year Arts—Back, "Smith"; halves, Ross, Keys, Gooderham; quarter, Ellis; centre, G. Davidson; wings, Warren, Snively, A. T. Davidson, Jackson, Laing, McLaughlin.

Second Year Arts—Back, Beal; halves, McKay, Rathbun, Reed; quarter, Hore; centre, Cook; wings, Balfour, Cameron, Harrison, Henderson, Sherry, Heyd.

Referee, Frank D. Woodworth. Umpire, W. B. Hendry.

JUNIOR S.P.S. 29, SENIOR S.P.S. 11.

A big surprise was sprung on Senior School, Wednesday afternoon, when the Juniors took them into camp by the above score. The feature of the game was the brilliant work of the Juniors' half line. Baldwin, Housser and McGivern make up the best line in the series, and the work of Junior School all

around augurs well for their success. Hugh Fletcher, on the wing line, played a brilliant game, his tackling being particularly fine. The Seniors were greatly weakened by the rule which debarred first team men from the Mulock series.

DENTALS 18, VICTORIA 12.

The men from the Methodist College signalized their first appearance in Rugby football by putting up a strong argument against the Dents. The half-time score was 11-11. The Dentals have a well-balanced, carefully-trained team, and are, in many quarters called to win the Mulock Cup. For the winners, Lappen and Wood played fine ball, and for the losers Harry Chown, Robertson and Rankin were the stars. The teams were:

Victoria — Back, Dawson; half-backs, Chown, Rankin, Archibald; quarter, Grey; snap-back, Burwash; wings, Green, Robertson, Gain, McElhanney, Forbes, Watson.

Dentals—Back, Carruth; half-backs, Elliott, Wood, Lappen; quarter, Kenny; snap-back, Reid; wings, H. Wood, Johnson, New, Brown, Doran, Pinard.

Referee, F. D. Woodworth. Umpire, G. Biggs.

NAUGHTY FOUR ARTS 14, NAUGHTY-THREE ARTS 11.

Although when "Billy" Hendry blew his whistle for the last time on Friday afternoon the Bulldogs had accounted for 11 hard-earned points, the Boom-ke-chinks counted 14 long ones and went on their way rejoicing.

True, the Seniors were first over the whitewash, but that was while Naughty-Four was warming up and before it was time for the lemons the Juniors had notched up 6 to their opponents' 5.

After the rest the Seniors secured a touch-down and a rouge to the Juniors' safety. But Cap. Ballard said "wings back" and when the dust cleared McAllister was over. The line-up was as follows:

1903 University College—Back, O'Flynn; halves, Loudon, Gladney (Capt.), McEvoy; quarter, McDougall; snap-back, Hill; wings, Ross, McKay, Lorrimer, Wilkie, Brown, Allan.

1904 University College—Back, Ballard (Capt.); halves, Wilson, McAllister, Montague; quarter, Foulds; snap-back, McQueston; wings, MacGregor, Jacques, Mather, Sherrard, O'Leary, S. E. Moore.

DENTALS 47, NAUGHTY-FIVE 11.

The Dents won their way into the semi-finals, Saturday morning, when they defeated the Second Year Arts team by an overwhelming score. The Arts men led at half-time 11 to 7, but they went to pieces in the second half, and the Dents won as they pleased. The '05 wings were useless, and the halves used poor judgment. Lappen, Wood and New were the pick of the tooth-pullers. The line-up:

Dentals—Carruth, back; Lappen, Wood (capt.), Elliott, half-backs; Kenney, quarter; Kelly, centre rush; Reid, H. Wood, New, Brown, Doran, Pinard, wings.

Arts '05—Reade, back; Rathbun, McKay, Hore, half-backs; Beal, quarter; H. P. Cook, centre rush; Balfour, Henderson, Heyd, McDonald, Sherry, Dallas, wings.

Referee—George Ballard (Varsity). Umpire, S. Young, (S.P.S.). Flag men, Burwash and Cook.

ASSOCIATION FOOTBALL.

UNIVERSITY OF TORONTO TEAM ORGANIZED.

At a meeting called last Wednesday night, the University of Toronto Association Football Club was organized on the lines proposed last spring. It was felt that the individual teams of the Inter-College League would be no match for Galt, and it would not be in the interests of the game for a western team to come out on top every time, when a winning team could be

chosen in the three Faculties of the University. It is to be regretted, however, that the University team was not put in the field earlier in the season, as all friction would thus have been avoided. It is generally agreed that, for Association football to take its proper place here, there must be a truly representative University team in the Ontario League. This seems to have been done in connection with the team which played Galt last Saturday, and we can look forward to a championship team wearing the blue and white next year.

The officers of the U. of T. Association Club are as follows:
 Honorary President, H. L. Crawford, B.A.; President, C. McKinnon; Vice-President, W. P. Brereton; Secretary-Treasurer, J. H. Armstrong; Manager, E. Miller; Committee, composed of the captains of the teams from the various colleges.

UNIVERSITY OF TORONTO I, GALT I.

After the formation of the new University Association Club, the team sent in a challenge for the Ontario championship, and it was unanimously accepted by the Match Committee of the Ontario Union. Accordingly, the Varsity team, without any practice together, journeyed to Galt, Saturday, and held down the western champions to a tie—1 to 1. Galt excelled in combination, as they have played together, and held the Canadian championship for three years. Varsity's team, individually, is superior, and when they get their combination working should win handily.

In the first half, Galt won the toss and chose to kick against the wind. Varsity forwards pressed hard, and, after close shots by Rutherford and Gilchrist, the latter finally combined with McQueen, and scored Varsity's only goal. Galt's score came in the second half, on a rebound from a Varsity man, so that it was quite unexpected by the goal-keeper.

The return game, next Monday, will undoubtedly be the finest exhibition of Association ever seen in Toronto, and Varsity will try hard to win the championship. Referee Brown, of Berlin, gave perfect satisfaction to both teams Saturday. Varsity's line-up: Goal—Soule. Backs—Dowling, Galbraith, Hawes, Patten McKinnon (Captain). Forwards—Rutherford, McDonald, Gilchrist, McQueen, Young.

INTER-COLLEGE ASSOCIATION.

On November 8 the Senior Series ended with the S.P.S. winners of Section A, and University College winners of Section B. The teams played a tie, 0—0, on Wednesday. The game was an excellent exhibition of skilful playing, and was keenly contested. When time was up, though the captains of both teams desired to play off, some of the players of the S.P.S. team refused to play on and the game ended in a draw. As the two teams had agreed to play off, and the winners go to Galt on Saturday, November 15, and as arrangements had accordingly been made with Galt, it was the duty of those teams to play off; and so at a meeting of the Inter-College Football Association held on Wednesday night a motion that the teams play off on Thursday was unanimously carried. In spite of this the teams refused to play on Thursday, and thus they haven't kept their agreement with the Inter-College Football Association and with Galt. A team picked from some of the Colleges played in Galt on November 15. Such actions as this will take the interest out of any game. The chief reason for forming the University of Toronto team is that "Galt would beat any individual team in the league"—a very sportsmanlike reason, indeed.

INTERMEDIATE GAMES.

November 10—Dentals II., 4; Technicals, 1.
 " 10—Arts II, 3; Knox II., 0.
 " 12—McMaster II., 4; Pharmacy, 0.
 " 13—S.P.S. II., 1; Arts II., 0.
 " 14—Dentals II., 1; Knox II., 0 (defaulted).

M'GILL THE CHAMPIONS.

By defeating Queen's last Saturday 10 to 1, the red and white won the Canadian Intercollege championship for the first time in the history of the Union. Of course, we all feel somewhat grieved at Varsity's failure to retain possession of the coveted cup this year, but it was undoubtedly in the interests of the Union that the eastern college should come out on top. McGill has shown admirable sportsmanship in supporting a losing team during the past, and old Varsity's congratulations to the present champions are most hearty. Here's to McGill!

C.I.R.F.U. ANNUAL MEETING.

The annual meeting of the Intercollege Union, held in Montreal last Friday night, was somewhat unsatisfactory to Varsity enthusiasts, inasmuch as it failed to endorse the Burnside Rules which are so popular here. The representatives of Queen's and McGill strongly opposed their adoption, claiming that the new game was too scientific and would require more practice than they could afford. There is some satisfaction, however, in the reduction of the number of players from fifteen to fourteen. That will tend to make the play a little more open. A resolution was adopted advocating the use of the Burnside Rules in inter-year matches, so as to pave the way for their ultimate adoption in the C.I.R.F.U.

The following officers were elected for the ensuing year:
 Hon. President, Prof. J. McGregor Young, Varsity; President, G. B. McLennan, Queen's; Vice-President, W. B. Hendry, Varsity; Secretary-Treasurer, I. L. Reford, McGill. Executive—C. F. Clarke, Trinity; Fred. Peters, Royal Military College; J. B. McArthur, McMaster; E. S. Read, Bishop's College.

HOCKEY CLUB ANNUAL.

The annual meeting of the University of Toronto Hockey Club was held in the Gymnasium Friday afternoon. The prospects of an Intercollege Hockey League, on the lines of the Rugby Union, were discussed, and the meeting was strongly in favor of such a scheme. A committee was appointed to confer with the Athletic Association and urge that they undertake the financial responsibility involved. The following officers were elected: Hon. President, Mr. C. E. Jennings; President, Dr. A. A. Snell; Vice-President, Wilkie Evans; Secretary-Treasurer, W. W. Livingstone; Manager First Team, W. B. Hendry; Manager Second Team, Harry Moore; Manager Third Team, W. B. Preston.

NOTES OF COLLEGE SPORT.

Queen's II. defeated McGill II. in Montreal on Saturday by 7 points to 0, thus winning the Intermediate Championship of the C.I.R.F.U.

Mr. E. D. Warren, '06 Arts, was this week presented with the handsome gold medal which he so cleverly earned in the Freshmen's Field Day meet. The medal, which represents the individual Freshman championship, was presented by Dr. J. C. McLennan, whose interest in University athletics is thoroughly appreciated by the students.

For Saturday's game with Argonauts a section of the bleachers has been reserved for Varsity men, and every loyal student is expected to get out and root for the team. We look like certain winners of the City Championship, and the more encouragement we give the team the better our chance of having the Nesbitt Cup in the Union this winter. It is most urgently requested that everybody turn out with cane, colors and megaphone. Special students' tickets at 35 cents may be had from men in each year.

THE POLICE FINED.

The Police Commissioners have decided that mounted constables may not celebrate Hallowe'en by running amuck and otherwise conducting themselves in a riotous and disorderly manner, calculated to disturb the peace, put wayfaring men in fear of life and limb, and bring discredit upon the fair name of the Toronto police force. To emphasize this decision, and bring home his iniquity to the hard heart of the "copper," Sergeant Goulding will forego seven days' pay (\$24), while Constables Ide, Ward and Guthrie, his aiders and abettors, will each forfeit three days' pay (\$6.)

As a result of the four days' investigation the Police Commissioners, on Saturday morning handed out a decision which was a complete vindication of the students and of the action of Dr. Reeve, who pressed the investigation to so successful an issue.

After reciting the circumstances under which the assault of the police on the students was committed, the decision runs as follows:

The board are not prepared to censure Sergeant Goulding for having considered it proper to disperse the medical students, but he was too hasty in his method of action.

The board are of the opinion that the sergeant and his men were not in any sense justified in using their riding whips as described in the evidence. The students were obeying the request to disperse promptly. They offered no resistance, and, in the opinion of the Commissioners showed exceedingly good temper and self-control. Yet the sergeant and several of his men plied their whips on the shoulders of the students as they were scattering. This violence was entirely unjustifiable, and an unwarranted abuse of their powers, and the Commissioners feel bound to express to Professor Reeve and his associates, and to his students, their sincere regret that their officers committed such a grave error of judgment.

The extensive powers entrusted to the police, the exercise of much of which must be left to the sole discretion of the individual officer, frequently under trying circumstances, calls for the soundest judgment and the utmost self-control. In the present instance, the board regret that the officers abused their powers, without sufficient justification.

To mark their disapproval of the conduct of Sergeant Goulding and of the

If Frederick Lyonde name is on the bottom of your photograph your friends will know you patronize the leading photographer. Studio 101 King St. W. By far the best and finest equipped studio in Canada.

example set his men, the board direct that a fine of seven days' pay be imposed upon Sergeant Goulding, and three days' pay each, upon Constables Guthrie, Ide and Ward.

The fact of policemen being fined for disorderly conduct on Hallowe'en at the instance of medical students has rather a comic opera flavor, but, it may, nevertheless, have a salutary effect upon some members of the police force, who, dressed in a little brief authority, forget that they are the servants and not the masters of the long-suffering public.

THE OXFORD UNION.

At a meeting of the Oxford Union on the night of November 6 Mr. E. J. ~~Kylie~~ Balliol (Flavelle Scholar and B. A., '01, Toronto University), spoke fourth in a debate on the resolution that: "Oxford education is obsolete." He made a most brilliant and effective speech. He was by far the best speaker of the evening as was testified by the rapt attention with which he was listened to and by the tremendous applause which greeted the termination of his speech.

Dr. Parkin, who has been in England on the business of the Rhodes' Scholarships, was present, and having been invited to speak began by saying that he was proud to be able to say that he was a countryman of the gentleman who had just sat down (Mr. Kylie), and to whose able and eloquent speech they had all been listening to.

Mr. Kylie's many friends in Va. sity will rejoice to know that his worth is being recognized in the great educational centre of the Empire.

Senior (at '03 reception): Will we promenade this number or take a chair?

Freshette: Do you think one chair would be enough?

They took two.

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FINAL ARGONAUT GAME.

Next Saturday's game with the Argonauts, which will settle the city championship and decide the fate of the Nesbitt Cup, should be largely attended. Arrangements have been made for reserving a section of the bleachers for students at the special rate of 35c. These tickets may be had from members of each Year and should be secured before Saturday, as they cannot be had after Friday night.

The success of the demonstration at the Queen's game should be duplicated. Mr. Darling and the Glee Club will lead the cheering and every Varsity man possible should be out wearing the blue and white and ready to cheer on our men to victory. The Argonaut supporters will be out in force, and last Saturday demonstrated the fact that the Varsity team plays a wonderfully better game under the influence of a rousing Varsity yell.

MEDICAL FACULTY.

Senior Years.

Mr. Don Sutherland reports a delightful time in Montreal at the Bishop's College dinner. As was fitting, under the circumstances, the reception committee of seven (comprising the Graduating Class), showed him the sights, including the city's many beautiful churches, cathedrals, libraries, and departmental stores—and one theatre. He didn't see Bishop's School, but says the reception committee were very enthusiastic over McGill.

Don thinks Montreal has the worst Chinese puzzle, in the way of streets, that he ever saw (?)

It is surprising how differently the same occurrence strikes two different beholders. For instance, Wilson and "Cop" Myles.

Investigation Notes.

P. C. Myles had better change either his number or his face!

"Did you attempt to strike the students, Officer Ide: "Perish the thought!"

"Board" Crookshank makes a star witness and leaves no means of identification.

Strange to see the County Crown Attorney defending the "Cossack" police charge.

Jimmie Cascaden tried to put 162 Myles between him and the police—at the investigation.

P. C. Guthrie says he has "enough sand" without any being thrown at him by the "Meds."

It is said "Scarlet" resembled the historical "Thin Red Line" as he cleared the Conservatory fence.

Mr. Grant, of Kingston, an old College boy, thinks the "Meds." a model class for orderly parades! Thanks!

Dean Reeve made an excellent case for the students, and if the other Deans of the city would follow his excellent precedent, for Hallowe'en entertainments, the Cossacks would have only the common foot police—like Myles, to attack!

Junior Years.

Mr. Albert Robb, who forsook the study of medicine for the prospect of becoming an actuary, visited his erstwhile classmates in the dissecting room on Monday and later in the day acted as lineman in the Rugby game.

The first Rugby match in the Mulock series between the Primary and Senior Meds. would have been a better game with a different score if the referee had known his Burnside rules better. Hendry and Biggs are qualified to give advice, of course, but a referee ought to know his business sufficiently well to dispense with such advice during a game. Some of the spectators also complained about the amount of offside interference that was overlooked on several occasions.

The Juniors put up a good game and

it was not their fault that the score was 12-6 against them when time was called. Every man played well, the quarter and half-backs distinguishing themselves especially.

On Saturday morning Varsity Meds.' second team struck colors to the city teachers in Association football. It was not quite a case of Schoolmasters vs. Schoolmasters, but Messrs. Cook and Coleman have done some teaching themselves. The rest of the team had not the benefit of the strenuous experience, hence the defeat.

Dr. Hendrick has recovered from his week's illness and is again at work in the laboratories.

One of our Freshmen, known among the Second Year as "Epistaxie," was seen demonstrating anatomy to a friend

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in the dissecting room some few days ago. The friend looked on in awe and wonder—so did the Second Year men.

Messrs. Cook and Cameron were made a committee to evolve a Year yell for '05 from the inventions in that line tendered by various members of the Class. They reported on Monday after Materia Medica, but the report cannot be published until after the dinner as the yell has not been copyrighted.

Anderson (as McLaughlin, Galbraith, the McPhedrains, the Dalrymples and a few more o' that ilk approach the Biolog.), "Scots o' Naughty five! Hoot! Mon!"

The bone exams. are on. How much that means no one but a Freshman in medicine knows. When they are over and the lists are posted the dissecting room will open to receive the successful ones, while they who fall below 75 per cent. must go back to grind until Christmas.

An overloaded electric wire burned out in the Histological Laboratory on Wednesday. It caused a little flutter, but fortunately there were no lady students present to give expression to the fright.

Mr. K. Campbell, '06, who has been ill for the last three weeks, is making fair

progress toward recovery. He is in

Grace Hospital under Dr. Malloch's care. The new medical building grows apace and is beginning to assume its final form. The roof is now on the south lecture room and the plumbers are at work on the interior.

The amateur artists have another chance to hand published samples of their work down to posterity. The menu card is being prepared for the annual dinner.

UNIVERSITY COLLEGE.

Miss Bertha King, graduate of '02, is abroad this year, taking a post-graduate course at the University of Geneva.

Vice-President McGuire (at the Lit): "An order for adjournment is now in motion."

Last year's reception of '03 was so successful that the executive of this year invited the Class again to the third annual.

"Tiny" Gladney was elected captain of the famous "Bulldogs" in place of Mr. Harry Wallace, who was unable to act.

F. P. Clappison, B.A., has returned from a five weeks' investigation of econ-

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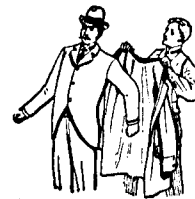
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omic matters pertaining to the Niagara district.

The seats for Mr. Charlie Clarke's recital in the Conservatory Music Hall on Saturday night are being rapidly taken and a crowded house is anticipated.

The University College dinner will be held on the evening of Friday, December 9. The committee are hard at work and promise a most imposing list of speakers. The dinner promises to be a great success.

The Arts dinner will take place on December 9 and promises to be an unqualified success. The committee in charge has already begun preparations and a record attendance is all that will be needed to complete its success.

Charlie Armstrong's pugilistic tendencies are on the increase. So elated was he at his success in bringing on a general engagement between the Varsity and Queen's supporters that he repeated the attempt last week with Arts and S.P.S. Dineen does not object.

The Class of '02, through Mr. E. A. Hamilton, has presented a handsome flag to the University. The flag, which was presented at Convocation last June, has been given into the keeping of the Registrar and may be had for decoration purposes around the University.

The Freshmen tendered the Sophomores a reception and oyster supper in the dining-hall Tuesday evening. The occasion was the celebration of the football match between the first Two Years. The Freshmen showed themselves better hosts than football players, as a highly enjoyable time was spent by all who were lucky enough to be there.

At the regular meeting of the Y.W.C.A., Miss Brown, '03, spoke on "Our Responsibilities," and Miss Lough, '03, dealt with the "Need of Missions." A solo which was much appreciated was rendered by Miss J. D. Grant, of the Toronto Conservatory of Music, and contributed greatly to the enjoyment of the unusual number of students who attended.

The Varsity-McGill debate will be held in the Conservatory of Music Hall this coming Friday evening. Messrs. Loeser and Vance will maintain for the honor of Old Varsity that the Confederate States were not justified in seceding from the American Union. McGill will send two strong men to uphold the negative, and a worthy battle should result.

The powers that be have made an extremely unpopular move in vetoing the usual dance at the Women's "Lit." reception this year. This has become deservedly the most popular social function around Varsity and, coming as it does on a Saturday evening, it does not cause any break in the academic work. The official censorship might better have been exercised on any other of the social events of the year.

SCHOOL OF PRACTICAL SCIENCE.

It is rumored that as he now has Association football off his hands, "Brigham" Young is going on a tour with the miners' "Three Midgets."

Mr. J. M. R. Fairbairn, '90, who was assistant engineer on the Trent Valley Canal is now assistant engineer on the Eastern Division of the C.P.R.

Mr. R. A. Ross, E.E., '89, has been consulting with Principal Galbraith regard-

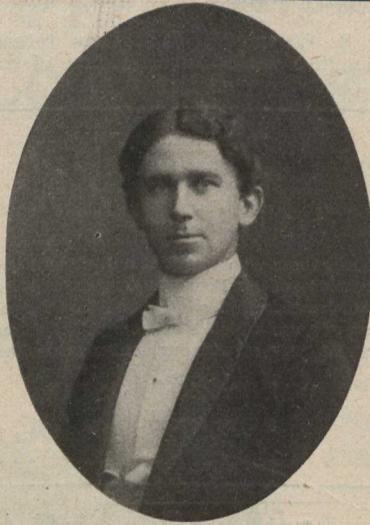
ing the electrical equipment of the new Science building. Mr. Ross is acting on behalf of the Government.

The most remarkable features of the Junior vs. Senior Rugby match were the brilliant fumbles of the veteran half-back "Bob," and the great gains for the Juniors on (Siwash) Burwash's runs.

The concrete work on the new Science building is now well advanced and a start has been made on the walls. Once above ground the work will progress much more rapidly than it has been doing.

A Rugby match has been arranged for between the Stonebreakers and Sewer Diggers of the Second Year. The Oil Wipers and Wire Pullers will play the winners. "Gig" Ramsay has borrowed Burnham's suit for the first match.

A feature of the association match on Wednesday that school men did not like was the use made of the Varsity yell by the Arts men. The feeling was that Arts should have a yell of their own as the Varsity yell belongs to the whole University.



CHARLES E. CLARKE,

The Popular Naughty-three Baritone, who will give a Recital in the Conservatory of Music Hall, Saturday evening next.

An interested caller at the School the other day was "Jimmy" Milden, whose smiling countenance will be easily recalled, especially by Seniors. "Jimmy" is now in his Third Year at Queen's and is getting along famously. He still manifests his old interest in field sports and this year succeeded in winning the championship at Queen's.

A considerable number in the Third Year have recently signed a petition to the Council asking that the examinations in Surveying and Descriptive Geometry be held at Christmas. There is no doubt that it would be advantageous to have these subjects out of the way when the climax arrives in the spring, and the best way to make the riddance is to write them off while yet fresh in mind. We trust that this and the similar petition of the Second Year will receive the careful attention of the Council.

KNOX COLLEGE.

Mr. D. W. S. Urquhart returned from the West last Saturday. Our Theological classes are now complete.

We regret to say that the wife of Pro-

fessor McFayden is seriously ill. We all earnestly trust she may soon be restored to her wonted health.

Rev. R. Knowles, of Galt, and Rev. R. W. Dickie, of Orangeville, Ont., renewed acquaintance with the Knox dining-hall this week. The former gave us a breezy post-graduate oration.

The regular meeting of the Theological Society was marked by a well-contested debate between the First Year Theologians and the Arts men. The latter won and are again in the finals for the College Championship.

Knox College Senior football team was defeated by Trinity Medical School to the tune of 2-0. But we managed to tie our old-time opponents from Victoria. The second team has not been heard from for some time. Reliable information as to their whereabouts can, we understand, be secured from S.P.S., or University College.

At the meeting of the Inter-College Debating Union, Mr. A. H. McLeod drew the bye for Knox in the first series of debates. It is unfortunate that these contests are not begun sooner in the fall term, when men feel freer to devote themselves to the necessary work of preparation. This is especially true of Theological Halls whose terms are some weeks shorter than those of the Universities.

The first open meeting of this session of the Missionary Society was held in the Convocation Hall on Friday evening. The gathering was a success in every way. The address of Mr. Justice was humorous and full of interesting data regarding pioneer work in Ontario. Dr. McLaren, the new Field Secretary for Home Missions, gave all present a wider grasp than ever before of the possibilities for development in Western Canada and of the work which, in consequence, will be and is already being laid at the doors of the Presbyterian Church. Rev. D. Bruce Macdonald, of St. Andrew's College, ably performed the duties of chairman.

UNION NOTES.

We are pleased to publish this week the recent additions to our life membership list. It shows the active interest still taken in the Alma Mater by some of Varsity's most distinguished sons. The following gentlemen have subscribed \$10 to the funds of the Union and are eligible for life membership:

Messrs. Dr. Wishart, R. J. Younge, J. L. McPherson, C. C. James, Thos. Hodgins, W. G. Eakins, Jas. Bain, T. A. Haultain, J. R. F. Starr, G. R. Fasken, B. E. Bull, W. Barwick, T. C. Robinette, W. H. Jenkins, H. C. Boulton, J. Seath, W. R. Parker, J. Baird, A. Lawrence, A. D. Crooks, R. J. Hamilton, G. H. Kilmer, L. V. McBrady, A. N. Mitchell, G. W. Ross, T. D. Delamere, E. Bristol, H. L. Dunn, B. A. Craig, E. F. Burton, C. L. Starr, G. H. Burnham, W. McKeown, J. G. Caven, A. R. Gordon, J. D. Ross, G. Boyd, G. Chambers, W. B. Thistle, W. H. B. Aikins, R. T. Shiel, C. F. Moore, A. W. Briggs, Dr. Machell, A. McKenzie, G. Silverthorn, F. F. Manley, J. F. Stewart, J. L. Ross, S. C. Smoke, W. Pakenham, E. E. King, Jas. MacCallum, W. P. Caven, H. A. Bruce, W. C. Trotter, J. T. Fotheringham, J. D. Thorburn, Professor T. L. Walker; Messrs. W. E. Macpherson, R. B. Thomson; Hon. J. M. Gibson; Messrs. J. McGowan, J. P. Murray, D. B. Macdonald, A. W. Mackenzie, J. A. Martin.

WYCLIFFE COLLEGE.

Mr. Perry holds the record as a "walker."

Mr. W. N. Harrison, '01, is back at College again.

Two prominent Freshmen had occasion to try the effects of the water-cure last week.

Wycliffe men were proud of Mr. McIntyre's showing in "The Lit." debate against '03.

We are glad Mr. Cox has so far recovered from his recent illness to return to his home.

Mr. Fawcett spent Sunday at Cooper's Falls and stayed over at Uthoff on his way back "on business."

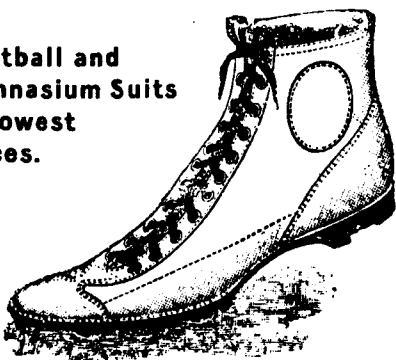
A number of Wycliffites enjoyed a pleasant evening at Mrs. Sheraton's on Saturday, when they sang the football songs for the benefit of a few Kingston visitors.

The first inter-year debate was held on Friday, 7th inst., the subject being, "Resolved, that the liquor traffic should be nationalized." It was ably advocated by Messrs. McElbrow and Murphy, of '06, and more ably opposed by Messrs. Sovereign and Johnston, of '05. At least that was the decision given by Dean Plumtree. We may expect to hear of these men again.

At the regular meeting of the Literary Society on Friday two new members

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Mr. Sunderland's course of lectures on "Religion and Evolution," which awakened wide interest in Toronto last winter, may be obtained in book form at Tyrrell's, 8 King St., west, or at Vannevar's, 438 Yonge St., for 25c.

were received. Mr. McIntyre was elected 2nd vice president and Mr. Beverley will represent Division No. 1 on the executive. Messrs. Millman, '00, and Taylor, '01, will debate against Varsity, and Messrs. Wilkinson and Fraser will be the guests of the Woman's Medical Society on the 21st. The constitution received another patching up.

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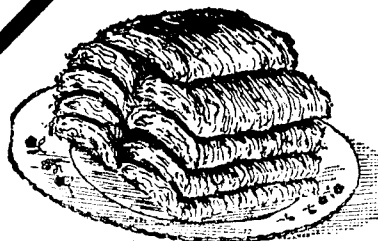
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