

most interesting paper. Hitherto the ventilation of rooms seems to have been left in most cases to take care of itself; but among sanitary engineers and scientific architects the importance of the subject is becoming better recognized every day. Mr. Field spoke of the very vitiating effect of the gas we burn, one jet of which consumes more air than a man in a given time, and in addition to this renders the resulting product much more impure than the air which man exhales. This exhaled air contains from 4 to 5 per cent. of carbonic acid gas, whereas pure air rarely contains more than 5 parts in 10,000, and it has been proven by numerous experiments that air containing from 3 to 4 per cent. of this gas is incapable of supporting animal life. Owing to the quantity of air consumed by burning gas and the extremely poisonous nature of the products of combustion, it is necessary to provide an exit for these gases at the ceiling of the room, even when the outlet for ordinary foul air is situated near the floor line. A mistake is often made in supposing that because the air issuing from our lungs is at a higher temperature than the air in the room, it will therefore rise to the ceiling, and should be drawn off there. The fact is that the exhaled air contains so much moisture and carbonic acid gas that the slight difference in temperature is more than counterbalanced by the increase in its specific gravity, and therefore it falls to the floor, and although the exit must always be placed near the floor line its position depends to a certain extent upon the system of heating used. An open fireplace will draw off all the vitiated air of a room, but unfortunately it very often produces a dangerous draught from imperfectly made window sashes and door frames, but in any case it will draw into the room sufficient air for its own draught. A closed stove, however, is, if anything, worse, for with it no air is drawn off except that which is required for the combustion of the fuel, and as steam and hot water coils require no such air, the case is even worse when they are used, unless a distinct and complete system of ventilation is supplied. If hot air is used care must be taken that the air is not burnt in the furnace, and assuming this the inlet may be either at the bottom or top of the room, but the outlet must always be at the bottom, and should be placed in such a position that it will not be too close to the inlet. Mr. Field's paper was most interesting, and was followed by an animated discussion in which the majority of the members present took part.

The Wentworth Association of Toronto University Graduates, held a dinner on the 14th of February, at Laving's Club Rooms, Hamilton. This association has been in existence for a number of years and the new departure of Tuesday evening will tend to increase the interest taken by Graduates in University matters. Graduates in Arts, Law and Medicine, were present, representing various years from 1865 down. Owing to his legislative duties Mr. J. M. Gibson, M. P. P., who is the Hamilton representative in the Senate, was unable to be present and sent his regrets. Mr. I. B. McQuesten, an ex-Senator, made an able response to the toast of "The Senate." The various professions followed and were ably and eloquently handled. Some of the younger Graduates led the singing and the University Song Book was an admirable assistance. Old reminiscences of *Alma Mater* were freely exchanged and the party separated at about one o'clock, pleased to have spent an evening in honouring their old University and reviving memories of the days when they too were young and trod her halls.

A deputation from the Board of Trustees of the University of Toronto, consisting of Dr. Daniel Wilson, Vice-Chancellor Mulock, M.P., Mr. John Hoskin, Q.C., and Mr. Larratt Smith, waited on the Attorney-General and the Minister of Education on Monday last, and asked them to consider the matter of the payment of interest for the purchase money of the property sold by the University to the Government as part of the site for the new Parliament buildings. The purchase money amounted to about \$20,000. The transaction occurred about ten years ago, and the money having only recently been paid, the interest, the trustees claim, would amount to about \$10,000. The deputation urged that the money was wanted particularly at the present time because of the necessity for extending the science department of the University. The Attorney-General asked the deputation to submit to him and his colleagues all the documents they had bearing on their claim, and to put the same in writing.

G. I. Cochran, barrister and solicitor, of the class of '87, has gone to Florida to practise his profession. He has an uncle living there.

Miss Agnes Knox, an undergraduate of the University of Toronto, and a Bachelor of Elocution of the Philadelphia School of Oratory, will make her *debut* as a reader, in Association Hall, on Monday evening, the 5th of March. The entertainment has the distinguished patronage of Sir Alexander and Miss Marjorie Campbell, and is under the auspices of the University College, Y. M. C. A.

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

Mr. Wm. McCulloch, General Secretary of the City Association gave a Bible reading at the Y. M. C. A. on Thursday afternoon, making the words "My Father and your Father," in Jno. 20, the starting point. The speaker pointed out that besides the same Father we have the same love, the same life, the same joy, the same peace, the same mission and the same future glory as Christ had. In the course of his remarks the speaker also pointed out that it has always been the joyful Christians who have succeeded best, instancing St. Paul.

Rev. Dr. Kellogg gives the fifth of his series of missionary Bible readings at the Y. M. C. A. on Tuesday next, at 4.30 p.m.

It has been decided to open the Y. M. C. A. Hall every Saturday evening, from 7.30 to 10 o'clock, for social intercourse. With music, chess and checkers there should be no lack of amusement. All students, members as well as non-members, are cordially invited and welcomed.

The rooms are also open from 3 to 6 o'clock on Sunday afternoon. A farewell meeting for Mr. W. V. Wright, '87, who, with Miss Wright, leaves shortly for Japan as a missionary under the Society of Friends, is spoken of as one of the approaching events at the Y. M. C. A.

The arrangements for Miss Knox' readings are going forward. Tickets are selling well. The date fixed upon is Monday evening, March 5th, for Association Hall. After reading here Miss Knox goes to New York, where she is under engagement to read in Chickering Hall. It is understood that an English trip is also in prospect. On account of her attendance at lectures here, and her kindness in reading for various student bodies, students will doubtless form no inconsiderable part of her audience in Association Hall.

Next Thursday, March 1st, F. M. Holmes leads the meeting at the Y. M. C. A. Subject:—"An Echo from the Cross" (Luke 23:34). The meeting lasts only three-quarters of an hour, beginning at five o'clock.

Faith is the hand of the soul to take hold of Christ; the foot to come to Him; the eye to behold Him; the ear to obey Him, and the mouth to taste of His sweetness.—*Sinclair*.

"The thing which is unjust, which is not according to God's law, will you try to conserve that? It is so old, say you? Yes, and the hotter haste ought you, of all others, to be in, to let it grow no older!"—*Carlyle*.

## ANNOUNCEMENT.

THE VARSITY is conducted by undergraduates of the University of Toronto, and will appear every Saturday of the academic year. It aims at being the exponent of the views of the University public, and will always seek the highest interests of our University. The Literary Department will, as heretofore, be a main feature. The news columns are full and accurate, containing reports of all meetings of interest to its readers.

Dr. Bryce's paper on the Medical Profession is the second of THE VARSITY'S series on "The University and the Professions." Mr. Seath's article on The Teaching Profession will appear next week. "Dryburgh Abbey" will be concluded in the next issue.

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