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Wonders of Physics
Revealed
Continued from Page $I$
clared that the specks of dust in the air were charged with electricity and from the rate at which they moved the limit of divisibility could be found. The statistical propensities of certain members o the economics department who wer present enabled them to fairly glow whe the speaker declared that in a cubic deci metre of hydrogen there were thirty thousand million million million mole cules. Matter, he continued, is compose of these molecules and heat is simply thei motion. With decrease of motion a ga tends to liquifaction and if the molecules cool and slow still more a solid will be formed.

As bodies cool they become magnetic and as the unit of magnetism arises from the unit of electricity there is also a limit to the divisibility of magnetism.
Newton declared that the rays of the sun were simply streams of these molecular corpuscles. Others contested that they were merely waves in ether and tha the only difference between waves of heat and visible light were their lengths. The shorter and longer waves are invisible al though, as Professor McClelland declared with some show of pride, he could now measure a wave one third of a millimetre in length, these being the waves used in modern wireless telegraphy - and he bac ed his statement up by showing us!
Proving that light was discontinuous he declared that it was made up of ultimate entities; light therefore is formed merely of wave spots or emissions of entitics, so vindicating Newton's statement that light is simply a stream of molecular cor-
puscles. puscles.
The climax of the lecture as reached in a most beautiful experiment arranged by the efficient corps of demonstrators which Prof. McLennan is so justly proud. This was to illustrate the scattering of lightgiving a very clear explanation of the magnificent sunsets to which Canadians are so often treated. Passing light through water which contained sulphur particles, it was seen that the characteristic deep blue of the sky was obtained while the reflected light was made up of the brilliant red hues which transform our western sky at sunset into a glowing fire. Prof. McLennan's statement that no one need travel to the Mediterranean to see gorgeous sunsets was amply justified in this beautiful demonstration.
At the conclusion of the lecture, President Falconer who presided, offered the vote of thanks moved by Prof. Clarke to the speaker and after a mutual exchange of courtesies all departed highly impressed and delighted.

## UNIVERSITY COLLEGE

The different lecturers of U.C. are at last becoming reconciled to the habit which Delahaye of 1914 has of gliding into lectures thirty minutes after the com-
mencement of same. mencement of same.
During the last two springs University
College has successfully College has successfully engineered an
Inter-Year Base-ball League. This spring Inter-Year Base-ball League. This spring
a third one will be formed. The Meds. a third one will be formed. The Meds. always have something similar. Could not an Inter-Faculty Series be arranged? It would arouse more interest.
The iron fence in front of the Main Building is becoming quite a factor in the production of Co -ed hurdler
Preparation for the II Year skating party and dance have almost heen completed and everything now points to one of the very best social functions of the season.

Freshman (at football game)-Look at them in all the mud. How will they ever get clean?
Second Freshman-Huh!! What do you

## -SHE WANTSTO GOto the Glee Club Concert, Feb. 22 <br> subscriptions close to-day <br> yOU'LL HAVE TO TAKE HER <br> And may still obtain good seats. by acting quickly

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## The Dope Sheet

McGill beat Queens on Friday night by $9-3$ and the Presbyterians have the record of having lost every senior game (rugby and hockey) played this year. It was the same old story. McGill won because of superior condition. Queens wer ahead for a few minutes but their lead had been overcome by half-time. The score was then $4-3$ and McGill fairly romped away in the last half, running in five more.
Varsity now have to win from McGill to tie up the series and (notwithstanding advices from Montreal to the contrary it will be some surprise if that promised celebration materializes on Friday next. The Red and White attach too much importance to Varsity's one-goal victory at Kingston as contrasted with their mar gin of six here, and apparently don't take into consideration the fact that Caldwell, Webster, and Blakely will not have lost any of the dazzling speed that enabled them to run up a score of $10-3$ and tha they certainly have acquired by now tha condition, the lack of which enabled Mc Gill to start that memorable landslide and pull out an eleventh hour victory

The Juniors go up against Orillia tonight at Excelsior rink with a 5 goal lead to overcome. That is not impossible, but the latter have a marvellous defence and are tireless back-checkers. From a spec tator's standpoint, it promises to be the best game of the season.

Some of the Toronto papers, notably the Globe and the News, have been knocking the hockey management with regard to its arranging a tour for the team preparatory to the crucial game of the season But this tour, on which the team started Saturday night is going to be no joy-ride such as the O.H.A. teams indulge in when they journey to Detroit or Cleveland There will be no wining and dining, no heatre parties, and it will be "hit the hay" at 10 p.m. The games at New York and Boston ought to be most beneficial, for the team even yet is in no danger of going stale from over-training. And the journey itself, undertaken in such comparative easy stages, ought to be less exacting than the all-night ride to Montreal just before the match.

In the Jennings Cup series Vic. with a record ${ }^{\circ}$ of four wins and no losses, Jr. School with three and one, Dents with two and none are group winners. In group A, Pharmacy and Sr . Meds are tied with 4 and 1. and the final will be played from 5 to 6 p.m. Tuesday at the Varsity rink. They have met once already, Pharmacy nosing out a one-goal victory. The semi-final will be announced on Wednesday. The finals will not be played till next week,
that the Firsts may be able to see the that the
match.

Orillia has 5 Point Lead

> Continued from Page I

Armstrong's work was just about perfect and the Orillia rooters were not chary in their applause. Shot after shot was the opposing forwards almost in despair at their inability to get past him. Clarkson got a nasty cut on the arm in the first half but kept in the game, though it required 4 stitches to close it. Sinclair sustained some nasty brusies and Reynolds had to stop the game twice to have cramps rubbed out of his leg. Despite these mishaps which were purely accidental, the game was very clean.
The return game will be played at the Excelsior rink to-night, at 8.15. Orillia are bringing down a great crowd of rooters by special train and a warm time is ex


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pected. Dig up those pennants and armbands and come out to see what promises
to be the most interesting game of the season. The teams were:
Orillia-Goal, N. Cooke; Point, R Cooke; Cover, McNab; Rover, Mohan Centre, Butterfield; Left, Thornton; Right Jupp.
Vars
Varsity Jr.-Goal, Armstrong; Point Clarkson; Cover, Boulter; Rover, Rey nolds; Centre, Milne; Left, Sinclai Right, Gouinlock.
Referee, Caldwell, of Barric

SR. ARTS VS. DENTS
$\overline{\text { Sr. Arts } \tau \text { s. Dents Sifto }}$
Cup game will be played Tuesday at
o'clock sharp. This is the final in group A .

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