DANCE OF THE ATOMS

LAVAL UNIVERSITY

A C. U. P. Feature

ered and edited by Queen's Univer-

sity. It is designed to acquaint read-

ers at U. N. B. with the institutions

and personalities of other Canadian

Laval University was established

in 1852 by a Royal Charter, and was

bec. Starting with the faculties of

The University proper has an at-

The general library of the uni-

versity, and the other specialiied

ones have, together 900,150 vol-

In the field of research in nuclear

energy, Drs. Rassetti and P. E. Agnon

have distinguished themselves. The

The University council is planning

The students are very active in the

field of sports and other extra-curri-

cular activities, or which purpose two

eral association (ACEL) owns a ski

chalet at lake Beauport. Two of its

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INSTRUMENTS

DICTIONARIES

This is a feature of C. U. P. gath-

-from the C-I-L Oval

By Aleko Lilius

The field of chemistry is an odd source of inspiration for a ballet Yet for some years now ballets, illustrating chemical processes, have been staged in several United States univerities.

The idea was originated before the war by the Maryland Section of the American Chemical Society as a method of teaching chemistry. More recently Smith College, of Northampton, Mass., has aranged chemical bal- named after the first Bishop of Que-

By this method one can see (with Arts, Theology, Medicine and Law, the aid of a little imagination) living it has since added another seven atoms moving in the patterns in To these eleven faculties are affiliatwhich actual atoms are thought to ed many research stations. based, wherever prossible, on the move. This music of the dances is tendance of 3600 to whom must be frequencies of the vibrations present in the real molecules, transposed to added the 12,000 students of 30 afthe audible range by dividing them fliated colleges. by the velocity of light.

One ballet tells how a chemist, working late at night, falls asleep in a chair. Thereupon, shadowy forms umes. steal forth from his tasks of compressed gas. The atoms are coming out to perform in play what they refused to do at the chemist's bidding. latter is a member of the Atomic

First the hydrogens, clothed in Energy Council Board. brilliant red, appear and trip through a gay waltz expressive of their joy the erection of a one square mile of the escape from the harsh gas laws that usually confine them. Then University city. It hopes to cover two atoms in black, carbons, emerge the cost by a public subscription of and grab four hydrogens each. Their \$10,090,000.00. kinatic freedom lost, the hydrogens now execute vibrations around the carbon atoms-indicating the formation of methane, with spectroscopic buildings are provided. Their genfrequencies of 13000, 1500, 2900 and 3000 end.

Then four more carbons enter and skiers Jalbert and Bernier are promijoin the groups. The molecules are suddenly aware of their gaseous Team nent on the Canadian Olympic nature and the atoms execute nuclear spins as the fast throbbing chords of the ethylene and acetlyieue dance are heard. As the temp reaches in ending. But enough has been said climax a new atom in lusterous to indicate the artistic and educametallic garb enters - the catalyst. tional possibilities that open up when Under her influence the accetiyene Terpsichore, the ancient muse of molecules rearrange and, joining dancing, is introduced to chemistry. bonds, form the benzene ring. As the orchestra plays variations of the colorful chomatic chord of benzene, the ring expands and contracts, hydrogens sway back and forth, and the different symmetrical motions of the molecules are symbolized,

As the atoms pause to display their true nature in the ultra-violet light, suddenly a swift leaping form darts across the stage, trailing flames. It is fire, come to destroy the molecular arrangement which has just been synthesized and change it to produce combustion. Following fire the oxygen atoms, clothed in blue, enter and seize the hydrogene and carbons. First there is a dance of water molecules thus formed. Then carbon monoxide and carbon monoxide then combine to form methyl alcohol. As the synthesis proceeds the music turns into a syncopated cakewalkthe crazy dances of ethyl alcohol. There is a swift whirl. The atoms hesitate, sway and stagger about, drunk with the motions they have discovered in this new combination.

At this point the chemist wakes up and the ballet proceeds to a surprise

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S R C ELECTIONS

Attention - members of the Senior, Junior and Sophomore classes:

Nominations will be received for the following positions.

Senior Class - Class President, Class Vice-President, Two SRC Representatives.

Junior Class - Class Secretary, Five SRC Representatives.

Sophomore Class - Two SRC Representatives. Nomination papers are to be signed by the nominater and seconder, and submitted to the following by

5:00 p. m. Tuesday, October 5. Senior Class - Fergus MacLaren, Doug Cooke, Ted Bedard, Ed Bastedo, and Kay Gough.

Junior Class - Gerry Bell, Betty Kilpatrick. Sophomore Class - George Buchan, Bill Haines.

Preliminary Budget Meeting

All fall budgets must be passed in to Ed Fanjoy, SRC President, Hugh Church, SRC Treasurer, or Virginia Bliss, SRC Secretary, by 5:00 p. m. Monday, October 4.

The preliminary budget meeting will take place Wednesday, October 6, at 7:15 p. m. in the Geology Lecture Room of the Forestry Building.

In accordance with the SRC Constitution all managers of teams and responsible officers of all campus organizations must be present.

SUNDAY NIGHT CONCERTS

8:30 p. m., October 3. Alexander College, Hut One

"Don Giovanni", Acts II, and VI.-W. A. Mozart

(Brownlee, Baccahni, et al) Official opening of the Art Centre - Saturday, Oct. 2 -2:30 - 5:30; 7:30 - 9.30

Special Exhibition of recent works of art by people of Fredericton and vicinity.

Evening classes and other activities at the Art Centre are primarily for students of the University. Others may join the weekly working classes for a fee of \$6.00 per term.

Open for music, reading, or discussion every afternoon from 2.00 -5:00 except Saturday.

For further information call at the Alexander studio of the Observatory Art Centre - Hut One. Entrance on Smythe Street. Phone 1812-31 Director - Miss Lucy Jarvis

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HARVEY STUDIO

Canadian Officers Training Corps

All members of the U. N. B. Contingent will meet in Room F107 Forestry Building at 1900 hours Tuesday, October 5 1948. Major R. J. Love, O.C.

COTC Orderly Room All concerned, please note that the Orderly Room is now Room 7, Hat "R" Main Campus.

The UNB Contingent COTC requires an Orderly Room clerk (civilian). Knowledge of typing and office procedure required: ability to take shorthand preferable. This is a part time job with good pay. Interested persons contact Major Gagnon, Resident Staff Officer, Room 7, Hut "R", Campus during office hours.

COTC Recruits

There are a number of vacancies in the UNB Contingent COTC. Recruits will be accepted from the Second and Third year classes with a limited number from the Freshman class. Watch this paper for further announcements. Contact the O. C. Major R. J. Love, the Adjutant Captain Stuart MacNutt or the Resident Staff Officer, Major L. A. Gagnon.

Cali at Room 7 Hut R for details.

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