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Underground Flower Power

The flowers that bloom in the Spring in our Northern spheres are already formed and lying under the ground. This significant factor was discovered this past summer by Professor D. R. Lindsay of the Department of Biology. In relation to his many years of study of taxonomy and ecology of plants in boreal regions, Professor Lindsay conducted research on the life history and underground systems of five common northern forest plants.

The preliminary results of these investigations have indicated that unusual processes of reproduction characterize plants of cold climates and have illustrated a number of areas which will require further research for a comprehensive understanding of the full nature of these processes.

One of the notable findings resulting from Professor Lindsay's research is that which showed that in some of the examined species, the flowering buds for the next year are already formed on the underground parts of the plant. At this time the factors responsible for floral initiation, as well as the concurrent physiological changes which take place in the plant during both formation and emergence are still unknown. Professor Lindsay pointed out that extensive studies are still necessary in this relatively untouched field and that the whole area requires much further work. Other interesting findings include observations that the percentage of flowering taking place in above ground shoots is relatively small, yet the extensive vegetative reproduction that takes place through the underground system allows survival for indefinite periods of time.

In some cases, the dry weight of the underground section of the plant is one to three times greater than the dry weight of the above ground sections, giving them an iceberg-like characteristic. This allows such plants to survive many environmental hazards including fire, flood and changes in temperature, and indeed, often results in more profuse blooming after a major environmental alteration. All the plants under study were collected within the Thunder Bay area and some were found on the University grounds. Observation and study of the cycles of these plants will continue in order to further reinforce the present findings and to collect more data. Professor Lindsay hopes to see additional work done in the ecological application of these findings, as well as on flower formation and physiology.

Attention Playwrights

A competition to promote original playwrighting in Canada is being sponsored by the Drama Department at the University of Saskatchewan, Regina Campus in conjunction with the Saskatchewan region of the Dominion Drama Festival.

There will be an award of \$500 to a Canadian citizen for a full-length original, unperformed and unpublished play written in English. If possible, the play will be produced during the 1971 fall season and it is hoped the playwright can be present for rehearsals and the production.

Closing date for the competition is March 31, 1971 and the winner will be notified by May 15. Judges will be faculty members in the Drama Department—John Chamberlain, William Dixon, Anne Hardcastle, Gabriel Prendergast, Eric Salmon and Michael Scholar.

Playwrights should send their scripts to Playwrighting Award, c/o William Dixon, Drama Department, University of Saskatchewan, Regina Campus.

Time Change For C.U.A.

The Committee on University Affairs will meet with officials of Lakehead University on Tuesday, November 24th at 9:30 a.m. In a memo recently distributed the time was reported as 1:15 p.m., and recipients are asked to please make note of the correct time.

A Brief will be presented by the University which will be primarily concerned with the areas of financial support, containing statistical data, analyses and comments. The Brief will also present a projection of enrolment and capital projects for the next five years as well as an outline of proposed new programs for review by the CUA.

The meeting will be held in the Senate Chamber, beginning at 9:30 a.m. Those wishing to attend can obtain tickets from the office of the Secretary of the University. Mr. D. Ayre has advised that the supply of these tickets is limited and interested parties should pick them up early in order to ensure attendance.

New AUCC Board

Mr. A. Davidson Dunton, president of Carleton University, is the new president of the Association of Universities and Colleges of Canada. He succeeds Mr. Roger Gaudry, Université de Montreal, who remains on the board as past president. The new vice-president is M. Louis-Philippe Bonneau, Université Laval.

New members elected for three years are: Dr. J. W. T. Spinks, president, University of Saskatchewan; Dr. H. D. Hicks, president, Dalhousie University; Dr. L. G. Harris, dean of arts and science, Memorial University of Newfoundland; Mr. Robin Ross, vice-president and registrar, University of Toronto, and M. Jacques St-Pierre, directeur, centre de calcul, Université de Montreal.

Professor G. A. McAllister, faculty of law, University of New Brunswick, was elected for a two-year term and Dr. D. M. Healy was elected for a one-year term.

For the first time in its 59-year history, the association elected students to its board. They are: Miss Colleen McGuinness, president of the Brandon University Students' Union Inc.; Mr. Wayne Yared, president of the Graduate Student Society, University of Windsor, and chairman of the executive committee of the newly formed Canadian Union of Graduate Students; and Mr. Norman Wickstrom, president of The Simon Fraser Student Society.

The full AUCC board of directors for 1970-71 is as follows:

President Mr. A. Davidson Dunton (Carleton University)
Vice-President M. Louis-Philippe Bonneau (Université Laval)

Past-President ... M. Roger Gaudry (Université de Montreal)
Executive heads are: Dr. J. J. Deutsch (Queen's University), Dr. D. M. Healy (Bishop's University), M. Adelard Savoie (Université de Moncton), Sister Catherine Wallace (Mount Saint Vincent University), Dr. A. W. R. Carrothers (The University of Calgary), Prof. T. H. B. Symons (Trent University) Dr. D. C. Williams (University of Western Ontario), Dr. H. D. Hicks (Dalhousie University), Dr. J. W. T. Spinks (University of Saskatchewan). Nine others are: M. Louis-Paul Dugal (Université de Sherbrooke), Miss Colleen McGuinness (Brandon University), Mr. Wayne Yared (University of Windsor), Prof. G. A. McAllister (University of New Brunswick), Dr. B. E. Riedel (The University of British Columbia), Mr. Norman Wickstrom (Simon Fraser University), Dr. L. G. Harris (Memorial University of Newfoundland), Mr. Robin Ross (University of Toronto), M. Jacques St-Pierre (Université de Montreal), and Executive Director Mr. Geoffrey C. Andrew.

TV Supplements Course

The first in a series of video-tape presentations in the French 1a6 course has been completed, used and evaluated by the French section of the Department of Languages.

The format involved the introduction by an instructor, a specialist in French-Canadian literature, to one of the three required texts, and his review of its place in Canadian literature in general. This was followed by an informal discussion by other instructors, representing the seven sections of the course, on the different aspects of the novel.

The basic premise underlying this type of presentation lay in two areas:

- (a) that the student would become more involved through having the opportunity to listen to a number of points of view presented by varying individuals, and
- (b) the student would find the discussions a valuable exercise in the understanding of spoken French.

Comments from the students have indicated that the programme accomplished these ends most successfully.

Other programs now underway include a two-part lecture on French-Canadian and English-Canadian literature and discussions of the two remaining required texts. It is hoped that some programmes on various aspects of grammar might be done for use by students as reference.

Chemical Institute At LU

Dr. L. W. Shemilt, President of the 10,000 member Chemical Institute of Canada and Dean of Engineering at McMaster University will address a meeting of the Lakehead and District Section of the Institute on Monday, November 23 at 8:00 p.m. in Room MB-1001. His topic will be "Credibility and Chemistry" dealing with the indirect and direct attacks on the credibility of the chemist and the chemical engineer, with particular reference to pollution. Dr. Shemilt will advance proposals for closing the credibility gap that has developed and speak to the implications of these proposals for the Chemical Institute of Canada.

The presentation of the Allied Chemical Scholarship will be made by Mr. E. Burk, the local Plant Supervisor to Mr. G. D. Martin, a Fourth Year Honours Student in the Department of Chemistry.

Campus Notes

□At the October 26, 1970 meeting of the Lakehead University Board of Governors, the following motion was approved: "That a Department of Geography be formed consisting of the following members of the existing Department of History and Geography - I. G. Davies, R. S. Dilley, D. Hallman, B. C. Heggie, D. D. Kemp, B. A. M. Phillips."

□Dr. J. H. Wise has been asked to organize a section and deliver a paper at the National Council for Geographic Education Convention in Detroit, November 25th - 27th, 1970.

□The Faculty of Education, in co-operation with the Ontario Secondary School Teachers' Federation, will be sponsoring a workshop on December 14th for the purpose of helping associate teachers to help teacher education students in the practice teaching programmes. Experienced associate teachers from other parts of Ontario will assist Professors in the Faculty of Education with the seminars and discussions.

□Professor Dennis Roddy, Associate Professor in Electrical Engineering, has had a book published by Pergamon Press (1970) in their Library of Industrial and Commercial training. The book, entitled "Introduction to Micro-electronics", deals with modern developments in Solid State Electronics, and is intended as an introductory text for technologists and engineers.

Success Demands Re-Run

Due to the success of the presentation of Arthur Miller's "View from the Bridge", by the Confederation College Players, three additional performances have been scheduled for November 27th, 28th and 29th. Those wishing to attend any of these performances can obtain further information and tickets from the "Matchbox" in the University Mall or from Confederation College. You are reminded that the seating area is limited and it would be wise to obtain tickets as soon as possible.

Weekly Events

- Nov. 20 Engineers Conference continues...
6:00 p.m. Cocktails in Faculty Lounge
7:00 p.m. Dinner Dance Cafeteria
8:00 p.m. L.U. Inter-Squad Wrestling, Field House
- Nov. 21 Engineers Conference continues...
10:30 a.m. Open House in Centennial Building
4:00 p.m. Judging of Princess in Aesthetics Lounge
7:00 p.m. Windup Party in Faculty Lounge and Announcement of best section and of Engineering Queen.
8:30 p.m. Lakehead Symphony Orchestra Concert - Selkirk High Viennese Evening with Paula Elliott, Flute and Mario Iosch, Harp
- Nov. 22 3:00 p.m. Lakehead Symphony Orchestra Concert, Selkirk High
6:30 p.m. MOVIES in U.C.T. "Bullitt" & "L.U.V."
- Nov. 23 8:00 p.m. Christianity in Crisis, "A New Morality", with Rev. J. P. McCarthy, Room MB 1015
4:30 p.m. Computer Course, "Introduction to PL/1 Programming (6 lectures) Room 1005
- Nov. 24 4:30 p.m. Computer Course continues Room 1005
- Nov. 26 4:30 p.m. Computer Course continues Room 1005
8:00 p.m. Problems in Local Government Series "Schools", with Mr. R. R. Steele, Regional Director of Education MB 1061
- Nov. 27 3:00 p.m. Chemistry Seminar "Protonated Cyclopropanes and the Norbornyl Cation" by Professor C. C. Lee, University of Saskatchewan, Room L0019
8:00 p.m. L.U. Basketball Team vs. Westmar College Field House After the Game - University School Society Dance, Agora.
10:00 p.m. L.U. Wrestling, Field House
- Nov. 28 10:00 a.m. L.U. Wrestling Field House
8:00 p.m. L.U. Basketball Team vs. Westmar College Field House
- Nov. 29 6:30 p.m. MOVIES "President's Analyst" & "Devil's Brigade"

Meetings

- Monday 10:00 a.m. Arts Society Meeting, Room L5005
- Nov. 23 12:00 Noon Senate Judicial Committee Meeting, Little Dining Room
8:00 p.m. S.A.S. Meeting, A.M.S. Council Chambers
- Tuesday 7:30 p.m. Science Society Council Meeting, A.M.S. Board Room
- Wed. 10:30 a.m. Senate Academic Services Committee Meeting, Senate Chambers
- Nov. 25 3:30 p.m. Senate Admissions and Scholarships Committee Meeting, Senate Chambers.
7:00 p.m. Inter-Varsity Christian Fellowship Meeting, Room C4056.
8:00 p.m. Archeology Club Meeting, Aesthetics Lounge
8:00 p.m. A.M.S. Council Meeting, A.M.S. Council Chambers.
- Thurs. 11:30 a.m. Engineering Students Society, Meeting, Room M1075.
- Nov. 26 8:00 p.m. Womens Liberation Meeting, A.M.S. Council Chambers
8:00 p.m. Ukranian Club Meeting, Room C1004.
- Friday 8:00 p.m. Economic Club Meeting "Inflation & Unemployment - are they economic trade-offs?", Faculty Lounge.
- Nov. 27