University News / Nouvelles des universités

University of Toronto

Our 75th Anniversary

The Faculty of Forestry's 75th Anniversary will be celebrated in 1982. Some of the events being planned are a Founding Dinner Dance for alumni and guests, an Open House to demonstrate the past and the future of Faculty activities, a special lecture series, a special convocation, special scholarships, a weekend reunion at the Leslie M. Frost Centre at Dorset, and the publishing of a new book on the history of the Faculty by Dr. J. W. B. Sisam, Emeritus Dean of the Faculty. A special Anniversary issue of the Alumni Directory is also underway.

New Appointments

Dean Vidar Nordin has announced the appointment of Dr. Dys Burger, Head of the Ontario Forest Research Centre at Maple, as an Adjunct Professor to advise and supervise students in the area of land classification.

The Problem of Termites

Assistant Professor Paul Cooper presented a paper, based on his current research titled The Problem of Termites and their Effects on Trees, to the 1981 Annual Convention of the Canadian Chapter of the International Society of Arboriculture.

Governing Council Member

Professor V. G. Smith has been re-elected as a Member of the University’s Governing Council for a three-year term, effective July 1981.

Edward Elsworth Johnson Scholarships, Fellowships and Awards

Beginning with the 1980-81 session, a series of awards has been made possible from the estate of the late Marguerite Johnson in memory of her husband. The Faculty has allotted $6,000 of the bequest funds to encourage excellence in the undergraduate program by designating $3,000 for admission scholarships and $1,000 at the end of each of the first three years of the program for overall academic achievement. Funds have also been specified for graduate student support in the form of four fellowships and a variable number of awards to the extent of the income available each year.

Society of Wood Science and Technology

Professor Fred Keenan was named a 1980-1981 Visiting Scientist by the Society of Wood Science and Technology, and presented a seminar on his recent research work to staff and students of the College of Environmental Science and Forestry at the University of New York, Syracuse.

Diploma in Resource Management

A diploma in Resource Management program is offered by the Faculty of Forestry to graduates from recognized universities with baccalaureate degrees in forestry, landscape architecture, and the biological, environmental and managerial sciences. The program is intended to be of interest to those candidates who are presently involved in resource management who wish to obtain further specialization and updating of their knowledge. Program requirements include passing a minimum of five full-year university courses (or equivalent) at an acceptable level and preparing a major paper on the basis of laboratory, field research in one of the following three general areas: forest management, forest biology, or wood science.

The Diploma in Resource Management is not intended to take the place of the research-oriented Master of Science in Forestry program. However, results of course work taken in the Diploma program, along with other academic qualifications, may be considered for admission if the candidates subsequently wishes to apply to the MScF program.

Paul L. Aird

University of British Columbia

This is a busy time of year for the Faculty. Staff members are in the throes of the cathartic exercise of making final examinations, while students are engaged in the frustrating or rewarding, as the case may be, task of job hunting.

May Graduation

44 BSF’s, 3 MF, 6 MSc., and 4 PhD candidates will be presented for graduation at the May Convocation. Honour standing has been granted to Carolyn J. Anderson, Heather Jane Cook and James D. Wright.

Awards

The following undergraduate students have received graduating class awards:

Carolyn J. Anderson

— Kaiser Resources Prize in Conservation and Rehabilitation.

Thomas M. Charles

— H. R. MacMillan Prize in Forest Harvesting.
Heather Jane Cook  
— Canadian Institute of Forestry Medal and H. R. MacMillan Prize in Forest Harvesting.

David Patterson  
— Special award in Forest Harvesting.

Reginal E. Thuriborn  
— Commonwealth Forestry Bureau Book Prize.

James D. Wright  
— Association of British Columbia Professional Foresters’ Prize for best thesis.

Theses for Higher Degrees  
Once again the theses presented for higher degrees have ranged over a wide field:

PhD Theses  

Omule, S. A. Y. Successive forest inventories using multistage sampling with partial replacement of units.  

Elliott, Dave M. Studies on early development and endogenous gibberellins in red alder (Alnus Rubra Bong.)  

Wang, I-Chen. Black liquor extraction of lodgepole pine (Pinus contorta Var. latifolia Engelm.) tree residues.  

Watts, Susan B. Characterization of the salivary gland proteins of the blood-sucking blackflies, Simulium vittatum and Simulium decorum (Diptera: Simuliidae).  

MSc Theses  


Errico, D. Some methods of sampling triangle bases probability polygons for forestry applications.  

Hall, P. M. Remote sensing of Douglas-fir trees newly infested by bark beetles.  

Parrish, Robert S. Newsprint mill feasibility for central interior British Columbia.  


Zavala, David Analysis of the sawmilling practices in the state of Durango, Mexico.  

MF Theses  

Beese, W. J. Vegetation —environment relationships of forest communities on central eastern Vancouver Island.  

Cooney, T. M. Investigation of methods to determine economic recoverability of timber inventories on a regional basis.

It is to be noted that Sue Watts is the first woman to be awarded the PhD degree in Forestry at UBC.

H. R. MacMillan Lecture  

The 1980/81 Lecture in the H. R. MacMillan Lecture Series in Forestry was given by Mr. Grant L. Ainscough, Vice-President and Chief Forester of MacMillan Bloedel Limited on March 12. Mr. Ainscough spoke on The designed forest system of MacMillan Bloedel Limited — an example of industrial forest management in coastal British Columbia. This was a notable event for it was the first occasion in the history of this thirty-year-old lecture series the MacMillan Lecturer has been a graduate of the UBC Faculty of Forestry.

Forest History Society  

A luncheon meeting of the Forest History Society was held in April. The last such event took place in 1960. Twenty-seven (27) historians, geographers, economists, archivists and foresters attended, drawn from the university, industry and to this writer at least, a surprisingly strong interest in forest history was evinced. Among the various speakers, Mr. Ron Fahl of the Forest History Society gave an extremely interesting slide/tape presentation on the Forest History Society. It was decided that there should be a provincial newsletter to keep people informed of provincial developments in forest history and Mr. John Parminter, a graduate of this Faculty, was appointed Editor. Anyone interested in receiving and/or contributing to this newsletter is invited to get in touch with John Parminter, c/o Protection Division, Ministry of Forests, Parliament Buildings, Victoria, BC.

Staff Activities  

Julian Demeerschalk presented a 3-day Forest Sampling Short Course in Prince George (April 22-24) together with Lee Wensel from Berkeley and Steven Titus from Edmonton. There were 31 participants at this very successful course. Dr. Demeerschalk will also be presenting a 1-day workshop on multi-phase sampling to BC Forest Service inventory staff in Victoria on May 30.

Doug Golding and graduate student Greg Henderson attended a Seminar on Soil Stability, Drainage and Erosion Control during April 7-9 in Vancouver.

G. F. Weetman and B. van der Kamp attended the Industrial Assessment of Forest Industries Silviculture Research Needs Workshop at the Pulp and Paper Research Institute of Canada in Pointe Claire, Que. during April 7-8, 1981. Professor Weetman prepared a background discussion paper and reviewed the current silviculture activity and funding of all the major Canadian forest companies, based on a 1980 questionnaire. Professor van der Kamp assessed the needs for forest pathology research.

Harry Smith led a short course on Methods of controlling development of crowns, boles and stands, April 23, on the University Endowment Lands. The course was arranged as a forestry off-campus programme and was attended by 22 registrants.

Peter Murtha was one of the UBC Faculty of Graduate Studies representatives at the Directors meeting, Canadian Corporation for University Space Science held in Saskatoon on February 20. He was also western regional representative on the programme committee for the Colloquium on the next generation of earth resource satellites held in Montreal, March 24-25. This meeting was co-sponsored by Quebec Ministry of Energy and Resources and the Canada Centre for Remote Sensing. He presented a paper as well as acting as Vegetation Workshop Chairman. Professor Murtha also attended the 8th Biennial Workshop, Aerial Colour Photography in the Plant Sciences held in Shenandoah National Park, Virginia and gave a brief history on the workshops, presented a technical paper, as well as a tutorial workshop on vegetation damage.

Phil Haddock has been busy with the UBC Alumni Speakers Bureau Programme and has presented several slide shows this past winter to senior citizens groups and others. Subjects have included Grand Canyon Country, A forester’s impressions of Russia, Glimpses of the Peoples’ Republic of China, and California wild flowers. Most recently, in early May, Phil had the pleasure of accompanying a group of Finnish forestry students and their professor, Dr.
Olavi Luukkannen to the Queen Charlotte Islands as guests of MacMillan Bloedel Ltd. at Juskatla in Graham Island. He reports that the vigorous Sitka spruce stands were a sight for sore eyes! Phil also reports that in his spare time, he tries to keep his former Faculty colleagues 'in line' and focused on improved silviculture.

**Leave of Absence**

Professors Demaerschalk and Franz have been granted educational leave from the Faculty during the coming year.

**J. V. Thirgood**

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**University of New Brunswick**

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**CIF Medal Winner**

Michael James J. Connors of Halifax, Nova Scotia, was the recipient of the Canadian Institute of Forestry Medal at the University of New Brunswick this year.

Mr. Connors received his BSc in Biology from UNB in May of 1977, returned to UNB in September, 1980, and completed the requirements for the bachelor of Science in Forestry (BScF) in May, 1981. High academic standing throughout his undergraduate years qualified Mr. Connors for the award.

Mr. Connors is now employed by the British Columbia Ministry of Forests in Hope, British Columbia.

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**Faculty Briefs**

Research Officer D.A. Daugharty (Forest Resources) attended the annual meeting of the Eastern Snow Conference in Syracuse, New York, June 4 and 5. He accompanied Jeff Patch (BScF '80) whose senior thesis, “Effects of Forest Cover on Snow Cover Distribution in the Nashwaak Experimental Watershed Project”, won the Eastern Snow Conference student prize. Mr. Patch presented a paper based on his thesis.

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Professor C.A. Short (Forest Engineering) presented a paper in June at the 1981 International Conference on Residential Solid Fuels, Portland, Oregon. It was entitled "Home Heating with Wood Chips".

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Professor R.B.B. Dickison (Forest Resources) presented a paper at the Fifth Canadian Hydrotechnical Conference, The Canadian Society for Civil Engineering, Fredericton, New Brunswick, May 26 and 27, 1981. It was entitled "Some Preliminary Results of the Hydrologic Effects of Clear-Cutting a Small Watershed in Central New Brunswick". His co-authors were D.A. Daugharty and D.K. Randall.

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Dr. A. Dickson, instructor in Forestry communications at UNB, was guest speaker at the Installation Dinner of Council V, Colonial Region, International Toastmistress Clubs. His topic at the Fredericton-held event, which involved members from Maine and the Atlantic Provinces, was "Communicating with Words".

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**New Chairman Appointed**

Beginning last month (July), the Department of Forest Resources has a new chairman. He is Dr. I.R. Methven, silviculturist and forest fire scientist. He succeeds Dr. A.J. Kayll, now director of the School of Forestry, Lakehead University. During the interim period of January through June, the acting chairman was Dr. A. Dickson.

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**Energy vs. Pulp and Lumber**

The interface between energy and conventional forest products was the topic of a seminar presented at UNB in May by Dr. M. R. Clarke, Director of Research, Forintek Canada Eastern Laboratory. Dr. Clarke outlined the latest technology available for converting wood to solid, liquid and gaseous fuels. He then discussed the need to consider producing such highly marketable products as wafer-board before “burning up” all available biomass.

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**Chip Harvesting Project**

Professors M.H. Schneider (Forest Resources) and C.A. Short and E.J. Rickards (Forest Engineering) are embarking on a 1-1/2 year, $192,000. research project, funded by the New Brunswick Energy Secretariat. Investigated will be the harvesting, drying, storage, and distribution of fuelwood chips.
A project engineer has been hired. He is John Kipping, a 1977 UNB graduate in mechanical engineering, who has been associated with energy-related projects since graduation. Most recently he was employed by NB Power.

To give added impetus to the study, Dr. Schneider will be devoting a full sabbatical year (1981-82) to it.

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**New Courses**

1. Hardwood Log Grading
2. Practical Approaches to Identifying & Satisfying the Motivational Needs of Forest Workers
3. Wood Energy vs Traditional Forest Products
4. Inventory Projection by Simulation
5. Using the Computer to Solve Analysis, Evaluation and Control Problems in Forest Operations Management: A Short Course for Managers, NOT Programmers
6. Weed Control
7. Foliar Analysis & Fertilization (Christmas Trees)
8. Response to Stimuli: Fertilizing & Pruning (Christmas Trees)
9. Marketing (Christmas Trees)

**Courses & Special Events To Be Reoffered**

1. Fredericton Firewood Day
2. Regeneration by Planting
3. Sawmilling Practices That Pay
4. An Introduction to the Process of Making a Capital Expenditure
5. Urban Forestry Day
6. Basic Statistical Methods for Scalers & Cruisers
7. Principles of Interpretation/Communication
8. Lumber Kiln-Drying Seminar for Managers & Operators

Anyone not on the UNB mailing list, may receive a copy of the catalogue by writing or calling:

Continuing Education in Forestry
University of New Brunswick
Bag Number 44555
Fredericton, New Brunswick
E3B 6C2
(506) 453-4501

Alex Dickson

**Lakehead University**

**Graduates of ’81**

This year sixty-five students graduated from our BScF program. Another seventy-four students received their Diploma in Forest Technology.

Two forestry students, Peter DeGroot and James I. McPherson, received the President’s Award for their activity and achievements in student organizations at the University. Peter De Groot was also awarded the Canadian Institute of Forestry Gold Medal for being the best all-round student in scholarship, sports and citizenship.

The Dean Braun’s Medal, that is awarded to the highest ranking graduating student, was presented to George William Mason in the Degree program and Christine Ruth Hansen in the Diploma program.

The Commonwealth Forestry Book Prize was awarded to Elizabeth Rose Deakin DeGroot for her achievements.

George Alexander Bruemmer was presented the Kokum’s Scholarship for writing the best thesis at the School on Logging Operations in North America.

For the most deserving student in the area of wood technology, Michael F. Kosyk received the Forest Products Research Society, Eastern Canada Section Wood Award.

Hopefully, the foresters and technicians who graduated this year from Lakehead University will help fill the expected need for 8000 foresters by the year 2000.

**Faculty Departing**

Professor Douglas Mead is leaving the School of Forestry for a position as an environmental consultant with Shell Oil Company in Calgary, Alberta. Professor Mead has done a commendable job over the previous seven years in the dendrology, introduction to forestry, and forest resource management courses that he has taught.

Dr. Stan Navratil has recently returned to his teaching and research responsibilities from a 12-month sabbatical. While on sabbatical his research activities were focussed...
on the study of systemic pathogens of trees and on the application of mycorrhizal technology in containerized and nursery stock production.

For the first nine months, he worked with Dr. D.W. Fulton, at the Dept. of Plant Pathology, University of Wisconsin, on the characterization of forest tree viruses. Many of these viruses were originally isolated from native and hybrid poplars in Canada. His next three months were spent at the Department of Plant Pathology, University of Arizona, plus visits to the University of California. During this time he studied techniques for isolating mycoplasmas. Mycoplasmas are a recently recognized group of plant and tree pathogens.

Professor Navratil's expertise in the field of mycorrhizae was increased as a result of his experiences with the scientists of the USDA Forest Service, University of Wisconsin and the University of Arizona. He was the Canadian participant in the USDA Forest Service nationwide study evaluating the efficiency and practicality of using *Pisolithus* inoculum on container seedlings. This was organized by the Institute for Mycorrhizal Research and Development at Athens, Georgia. The results of this extensive study are being summarized in a paper co-authored by Professor Navratil.

Two other papers related to mycorrhizal research supported by the Ontario Ministry of Natural Resources, are currently in press. These papers are *Jack pine seedling performance improved by *Pisolithus tinctorius* (Forestry Chronicle)* and *Enhanced root and shoot development of poplar cuttings induced by *Pisolithus inoculum* (Canadian Journal of Forestry Research)*.

As a direct result of his virological research and sabbatical involvement in this field the following presentations of papers occurred:

1. A paper entitled *Impact of viruses in intensive poplar plantations* was presented to the North Central Forest Experimental Station of the USDA at Rhineland, Wisconsin.
2. At the College of Agriculture, University of Arizona, he presented a paper entitled *Viruses versus wood fibre; virological problems in intensive tree culture*.
3. Two papers with the titles *Poplar mosaic virus in North America and Europe* and *A rhadovirus associated with vein necrosis of balsam poplar* were delivered at the Annual Meeting of American Phytopathological Society in Minneapolis, Minnesota.
4. A paper, co-authored with Bruce McGauley of the Ontario Ministry of Natural Resources, was presented at the 29th Annual Meeting of CIFIDC (Central International Forest Insect and Disease Conference) held at the University of Michigan. Its title was *Systematic pathogens as a possible factor in the causal complexity of maple decline*.

Professor Navratil obviously put his sabbatical to good use. Unfortunately, his sabbatical was marred by a theft of his locked van in Kansas City, Kansas. Lost were his family personal belongings, an extensive slide collection, research notes, and virus samples. Some of the material was recovered, but most was destroyed by moronic thieves bent on devastating anything they could not sell.

**C. Benson**

**Class Valedictorian**

It is indeed a honour and pleasure for me to be chosen as the spokesman for the class of 1981 - a class which I think has a lot of character and esteem, and which I am proud to be a member of. On behalf of the class, I would like to extend our sincere appreciation to the CIF for this evening.

This evening is a very significant one for us, since it symbolizes the transition from forestry students to foresters. When we first entered the university, the ring ceremony was but an event in the dim distant future.

1981 was a long way off, right at hand were new friends, new surroundings, and a rather awe-inspiring curriculum. We were to be greeted to Beaver foods, Marvin the Mycopic midget, 8:30 Monday morning classes, the photo lab, and of course that paper-consuming, sanity-destroying computer room.

However, we have survived the ordeal (almost) with all its trials and moments of despair, and tonight we look back in retrospect over the last 4 years.

We have shared many memorable events together. We've witnessed the total destruction of a slide projector screen by Dr. Kissin, and have come to look forward to Bob Days' constant uphill battle with the overhead projectors. We will never forget 3rd year field school when Dr. Eiber, I should say Supreme fire chief Eiber and his deputies mounted a full scale war and an all out front- rear- and flank assault, on a poor, terrified (albeit stinky) little skunk.

We are the survivors of fourth year field school. That's when the school of forestry in a concerted effort of austerity decided to economize and use that great new wonder fuel called water to run the vans. And the food- oh yes the food — that elegant cuisine — that wonderful gastronomic delight, which was mysteriously followed by what you might call a run-for-your-life epidemic.

Our experiences certainly have been varied. We have learned a great deal about forestry. We have acquired a wide variety of technical skills which will stand us in good stead in the future and will be essential to our success.

Yet it is from a source far different, we believe that the greatest benefit has been accrued to us. The school of forestry, has maintained and fostered within us, a healthy idealism. The school, by its wisdom, has encouraged us to be objective, to be critical where it is warranted, and has tempered our youthful radicalism with maturity. We owe them a debt of gratitude that can really only be paid over a long period of time.

And what of the future?

The varied interests of the class of 1981, reflect in a large measure the scope and diversity of the profession of forestry. Each one of us will go in our chosen direction. Each one of us will soon leave the close association we have enjoyed with our fellow classmates and our professors. Each one of us will encounter many new challenges, new problems, and new joys in the years ahead.

Some of us have decided to go into harvesting, others into silviculture, some into research, while others have decided to take on the whole ball of wax and go into consulting.

But whatever the field, whatever our personal interests and goals, we all share at least one goal in common — and that is the betterment of forest management in Canada.

We look forward to the enormous job that lies ahead of us. We, the class of 1981, not only recognize the need to achieve the goal of an enlightened and enspired forest management policy for Canada, we want to achieve that goal, and we will!
Monsieur Richard Lefebvre est né à Charlesbourg, Province de Québec, le premier décembre 1956. Après de brillantes études primaires et secondaires dans sa ville natale, il poursuit sa formation pré-universitaire au Collège d'enseignement général et professionnel (CEGEP) François-Xavier Garneau de Québec. Admis au programme de Baccalauréat en sciences appliquées (génie forestier) de l'université Laval en septembre 1977, il y gradua en mai 1981. Au cours de ses quatre années à l'Université, Richard manifesta un grand intérêt pour tout ce qui touche la foresterie, en particulier l'environnement, l'aménagement polyvalent de la forêt et la sylviculture. Doué d'un caractère très sociable, il se fit remarquer, aussi bien par ses professeurs que par ses confrères, par ses nombreuses participations aux activités para-scolaires, au sein de l'Association des étudiants de la Faculté de foresterie et de géodésie. Amateur de nature, de voyages et de sports de plein air, il s'est déjà acquis une expérience valable dans ces domaines en travaillant, durant ses périodes de vacances, comme naturaliste à la Forêt Montmorency de l'Université Laval et pour des bureaux d'ingénieurs consultants. Dès l'été 1981, il entreprendra un stage de six mois en Suisse, sous la direction de l'Office fédéral des forêts suisses.

C.M. Hamel

TIMBER MANAGEMENT FORESTERS
Edmonton — The Alberta Forest Service offers excellent opportunities for foresters who wish to develop and further their careers in forest management. These management positions are responsible for major sections within the Timber Management Branch.

HEAD, TIMBER MANAGEMENT PLANNING
Charged with directing the timber management planning program for Alberta’s forested areas, the successful candidate will develop and establish sustained yield, annual allowable timber harvest volumes, from the forested lands, in accordance with Provincial policies of efficient timber utilization and integrated forest land use.

Competition #ENM641-16

HEAD, SILVICULTURE
The successful candidate will monitor and approve the silviculture and regeneration programs of the forest industry. You will review annual operating plans and management plans to ensure reforestation will be accomplished. A key responsibility is the maintenance of the regeneration surveys and the reforestation treatment record system, on all forest lands cut-over by the forest industry.

Competition #ENM641-5

HEAD, WOODS OPERATION
The successful candidate will monitor timber harvesting operations to ensure they meet utilization and environmental policies and standards. Also, you will develop and maintain operating ground rules to guide the timber operators in their logging program.

Competition #ENM641-15

Qualifications for these positions: In addition to your natural resource degree, you will have considerable experience in timber management, silviculture, or timber harvesting.

Salaries for these positions are up to $38,364.

Closing Date: OPEN Energy & Natural Resources

For detailed information, request Job Bulletins and apply to:

Alberta Government Employment Office
5th Floor, Melton Building
10310 Jasper Avenue
Edmonton, Alberta T5J 2W4

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