


**INFORMATION**

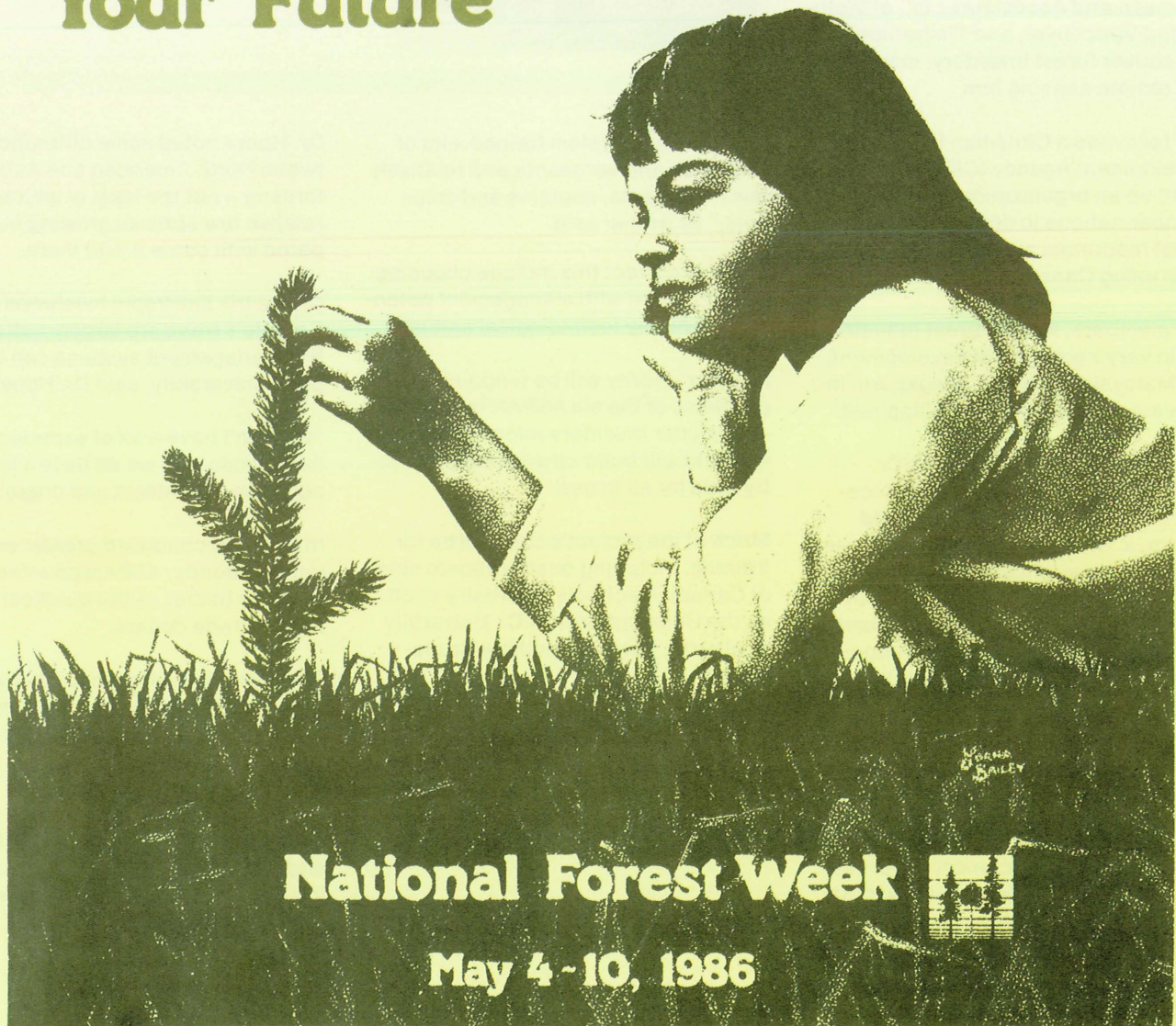
# **F O R E S T R Y**

PACIFIC FORESTRY CENTRE

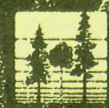
VOL. 13 NO. 1 1986

	Government of Canada	Gouvernement du Canada
	Canadian Forestry Service	Service canadien des forêts

## **Your Forests... Your Future**



### **National Forest Week**



**May 4 - 10, 1986**



## Terry Honer heads project in Southeast Asia

**Dr. Terry Honer**, a forest mensurationist at the Pacific Forestry Centre, has taken a three year leave of absence to set up a \$6 million institute of forest management for the Association of South-East Asian Nations (ASEAN) in Kuala Lumpur, Malaysia.

He joins a seven-member team of professional foresters to work in a joint venture between consultants T.M. Thomson and Associates Ltd., of Victoria and Vancouver, and Timberline, a Vancouver forest inventory, mapping and remote sensing firm.

The team has a Canadian International Development Agency (CIDA) contract to set up an organization requested by member nations to develop their own forest resources and management systems using Canadian expertise.

The members, whose forest industries are in varying stages of development, are Malaysia, Thailand, Singapore, Indonesia, Brunei and the Philippines.

Members of the team besides Dr. Honer are **Peter Eligh**, Victoria vice-president of T.M. Thomson; **David Taylor**, a Thomson specialist in inventory with experience in Malaysia and Indonesia; **Adam Ferrie**, a Thomson computer modelling specialist; **David Jamieson**, vice-president of Timberline and expert in resource monitoring; **Chris Hermansen**, a Timberline computer applications specialist, and **Geoffrey Gray**, a forest management specialist with international experience as an independent contractor in Asia.

They will provide technical expertise, training and analysis of ASEAN forest resource information.

Dr. Honer said the Asians lack the middle management and techniques for hands-on forest management.



“We don’t have a lot of experience in hardwoods, but we do have a lot of experience in systems and organization”

“The colonial system trained a lot of corporals and sergeants and relatively few lieutenants, captains and colonels,” Dr. Honer said.

Plans to correct this include choosing young people with management potential in a highly technological setting.

Another priority will be pinpointing problems of the six ASEAN members — like poor inventory information. The institute will build up a library of forestry data for all to use.

Much of the project’s cost will be for training, including post-graduate study at Canadian schools of forestry such as the Universities of B.C., University of Alberta, Toronto and New Brunswick.

Eighteen candidates will take a minimum of two years’ university toward MAs and PhDs in forestry. There also will be management exchange tours between member nations.

Dr. Honer noted some differences between North American and Asian forestry — not the least of which is the relative few species growing here compared with some 2,500 there.

Unlike the subtropic hardwood forest, Canada’s trees are largely softwood. But management systems can be applied universally, said Dr. Honer.

“We don’t have a lot of experience in hardwoods, but we do have a lot of experience in systems and organization.”

In their march toward greater economic independence, ASEAN countries have cut their timber as the quickest way to secure trade dollars.

“Now they have begun to realize the resource is in jeopardy and they need to get the information to be able to deal with it.”

“From a business point of view we’ll learn a lot about forestry in the tropics, and Canada is going to have more trading opportunities there because that’s where the population growth is,” said Dr. Honer. ■





UBC forestry scholarship recipients pictured here with Honourable Gerald S. Merrithew, Minister of State (Forestry) (fourth from left, front row) and Bob Kennedy, Dean of the Faculty of Forestry at U.B.C. (left of Mr. Merrithew).

## U.B.C. Forestry students awarded federal scholarships

Twelve University of British Columbia postgraduate students were recently awarded forestry scholarships by Minister of State (Forestry) Honourable **Gerald S. Merrithew**. The scholarships, totally \$139,000, were awarded under the Canadian Forestry Service (CFS) Human Resources program.

The students, **Catherine James, Donald McLennan, Beverley Jaffray, Peter Schulting, Grant Brancher, Karen Richter, Margaret Penner, Greg Ashcroft, E.D. Higgins, Johanne Morasse, Raoul Wiart, and Steve Kwant-Soon Goh**, will each receive a stipend of \$11,600, paid in two installments, for the 1985/86 academic year.

"This program, as well as the injection of \$150 million in federal funds through the Canada/British Columbia Forest Resource Development Agreement, are more concrete demonstrations of the federal government's commitment to the British Columbia and Canadian forest sector," said Mr. Merrithew.

Through this scholarship program, 50 forestry students at six universities across Canada have received financial

support in furthering their education during the 1985/86 academic year.

This scholarship program in forestry was established in 1983 by the Canadian Forestry Service to encourage forestry research at Canadian Universities offering postgraduate studies in this field. Other elements of the CFS Human Resources program include

student employment, grants to universities' forestry schools, research and development contracts to universities and upgrading of CFS professional staff skills. ■



**Your Forests..  
Your Future**

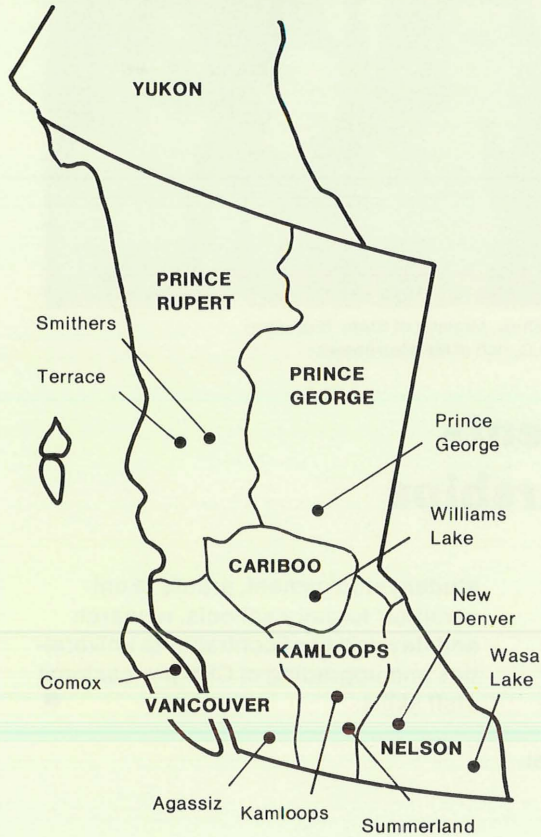
## Port Alberni named Forest Capital of Canada

The community of Port Alberni on Vancouver Island, British Columbia, has been named "Forest Capital of Canada" by the sponsors of National Forest Week — the Canadian Forestry Association.

May 4-11 has been set aside as National Forest Week — the theme of which is "Your Forests — Your Future". The Minister of State (Forestry), **Gerald S. Merrithew** will help kickoff the week when he participates with Their Royal Highnesses **Prince Charles** and **Princess Diana** in a ceremonial tree planting at Prince George on Sunday, May 4. Mr. Merrithew will then travel to Port Alberni to participate in "Forest Capital" of Canada ceremonies. ■



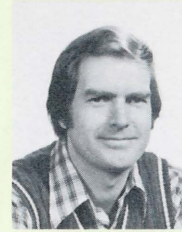
## 1986 Forest Insect and Disease Survey Field Assignments



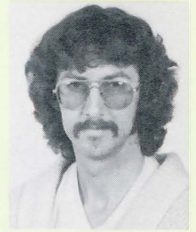
**BOB ERICKSON**  
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**JIM LORANGER**  
Summerland  
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**PETER KOOT**  
Wasa Lake  
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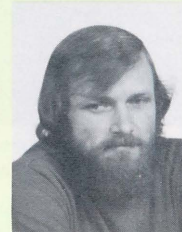
**JOHN VALLENTGOED**  
New Denver  
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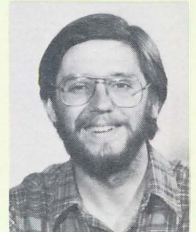
**ROD GARBUTT**  
Prince George  
963-7238



**ROD TURNQUIST**  
Prince George  
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**LEO UNGER**  
Smithers  
847-3174



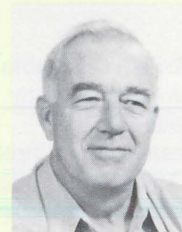
**ALAN STEWART**  
Terrace  
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**NICK HUMPHREYS**  
Agassiz  
796-2042



**BOB FERRIS**  
Comox  
339-4722



**DICK ANDREWS**  
Williams Lake  
392-6067



### PFC nursery staff win award

For the second time in three years staff of PFC won the Chief Forester's Award, which is presented annually to the nursery that grows the best quality seedlings. This year the tree species judged was interior spruce (white and Sitka hybrid). Full credit for the win goes to (left) Shelley Corrin, Dennis Beddows, Don Barwise and Graeme Goodmanson and Susan Yandel (absent). The award was presented at the annual meeting of the Forestry Nursery Association of B.C. held last fall in Duncan. ■



## Jim Lee to lecture Chinese on remote sensing

**Dr. Jim Lee**, a remote sensing specialist at the Pacific Forestry Centre, has been invited to China at the end of April to lecture to his Chinese counterparts. Dr. Lee is in heavy demand both as a world authority on remote sensing techniques for forest management, and because Mandarin, the country's official tongue, is one of five versions of Chinese he speaks.

His visit is financed by the International Development Research Centre, in Ottawa; by the General Bureau of Forest Industry at Harbin, and by the South China Agriculture University's Forest Management Research Institute at Harbin and Guangzhou.

Dr. Lee's research in remote sensing by aircraft and satellite-based systems is applied primarily to inventory, mapping, pest and fire damage assessment and control, and computer systems for data base and planning.

He said the Chinese are particularly interested in developing digitized (computer-enhanced) photography, new scanning techniques, artificial intelligence, computer-based data systems, geographic information systems and the future of remote sensing applied to forestry.

When he arrives at the South China Ag-



riculture University, Dr. Lee will be confirmed as a visiting research scientist, comparable to what is known in Canada as an adjunct professor.

He will lecture at Peking University for 10 days. He was also invited to visit Nanjing Forestry University for a month but was not able to fit it into his schedule this year.

Dr. Lee says the Chinese are not up to date in aerial photographic methods of thermal and infrared imagery, nor have they yet set up computer-based forest monitoring systems such as pioneered by British Columbia Ministry of Forests. But they have bought considerable data processing equipment and are anxious to exploit the latest methods

for forest management.

A five-man team of Chinese foresters recommended, after visiting Canada last year, that microcomputers for volume calculation, map production and planning for small forestry enterprises be considered by China.

Included in Dr. Lee's description of new technology will be new computer systems — like Victoria's Pamap Graphics Ltd. mapping process — in which B.C. is a world leader and for which China is among potential customers.

Dr. Lee said the Chinese recently bought an American system for receiving satellite imagery. They already have 20 Canadian-made digital processing systems, whereas they had none when Dr. Lee first lectured in China in 1981. By comparison, only 17 such systems are in use in this country. "They are catching up," Dr. Lee said.

"In the remote sensing area they are moving very quickly. They still need people like me to tell them the best way to use these machines."

In five years he expects China will be on a par with some high tech forestry applications. ■

## Long Service Awards

Seven Pacific Forestry Centre employees were recently given awards for 25 years service with the federal government. Pictured above with their awards are: (left to right) Doug Ruth, entomology; Ed Chatelle, photography; Henning Frederiksen, finance (20 years); George Reynolds, pathology; Dick Smith, environment forestry; John Harris, entomology; and, Don Barwise, silviculture. ■





## NEW APPOINTMENTS

**Ross Macdonald**, Regional Director-General, Canadian Forestry Service, Pacific and Yukon Region, announces the appointments of the following personnel:



Kelly Finck



Wesley Nicholson



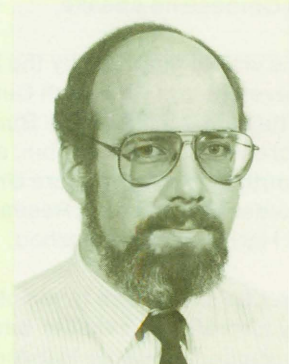
Rona Stewart



Eleanor Stoffelsen



Win Stokes



Gordon Miller

**Kelly Finck** was appointed plantation pest management specialist working with Dr. Bill Bloomberg. He will be involved in Forest Resource Development Agreement (FRDA) projects and technology transfer relating to plantation pests. Kelly worked with the Forest Insect and Disease Survey (FIDS) group for two summers while attending the University of Alberta. He also attended BCIT and previously worked with the Alberta and British Columbia Forest Services and MacMillan Bloedel Ltd.

**Wesley Nicholson** has been appointed timber supply analyst under the FRDA. He will be conducting research on the evaluation of intensive management investment opportunities and the determination of economic timber supplies. Wes was previously a research economist with the Forestry Research Division of Crown Zellerbach at Wilsonville, Oregon.

**Rona Stewart** has been appointed nursery pest specialist under FRDA. Rona's responsibilities will include

nursery pest research, technology transfer activities and FRDA project development and assessment. She will be keeping close contact with operational forest nurseries in B.C. Rona completed her B.Sc. (biology) at the University of Victoria in 1983 and recently completed coursework requirements for a Master of Pest Management degree at Simon Fraser University.

**Eleanor Stoffelsen** has been appointed weed control technician under FRDA and will be working with Wayne Coombs and Roger Whitehead on the vegetation management project. Eleanor has worked for B.C. Ministry of Forests research in Prince George, Silvicon Services, Inc. in Smithers and the Fraser Canyon Indian Administration in Lytton.

**Win Stokes** has been appointed Implementation Officer under FRDA. In his new position Win will be involved in the general administration of FRDA and related funding programs. Win joins

PFC from Department of Regional Industrial Expansion (DRIE), where he was the Industrial Development Officer for Vancouver Island. Previously he worked with two other federal government departments on federal/provincial program implementation.

**Dr. Gordon Miller** has been appointed Program Director, Forest Protection. Dr. Miller succeeds Dr. Tom Sterner who took up a similar position with the Maritimes Forestry Centre in Fredericton, N.B. Dr. Miller will be responsible for managing and directing research projects involving bark and wood-boring insects, defoliating insects, root and stem decays, pest impacts, losses in regeneration and the development of biological controls of forest pests.

Prior to his recent appointment Dr. Miller was project leader of pest management of cone and seed insects research within the Protection program. He joined the Pacific Forestry Centre in 1980 and subsequently obtained his Ph.D. in entomology from Simon Fraser University in 1983. ■



## NEW PUBLICATIONS

### **Pest management of Douglas-fir tussock moth: procedures for insect monitoring, problem evaluation and control actions**

**Roy F. Shepherd and Imre S. Otvos**

Procedures are described for detecting impending outbreaks of Douglas-fir tussock moth, *Orgyia pseudotsugata* (Lepidoptera: Lymantriidae). Advantages and disadvantages of the various control measures are discussed and examples are given for different situations.

**BC-X-270**

### **Suppression of mountain pine beetle infestations in lodgepole pine forests**

**L.H. McMullen, L. Safranyik and D.A. Linton**

This publication is addressed to pest management personnel in the forest industry and government who are involved in management of mountain pine beetle populations in western Canada. It describes the philosophy and procedures of direct control.

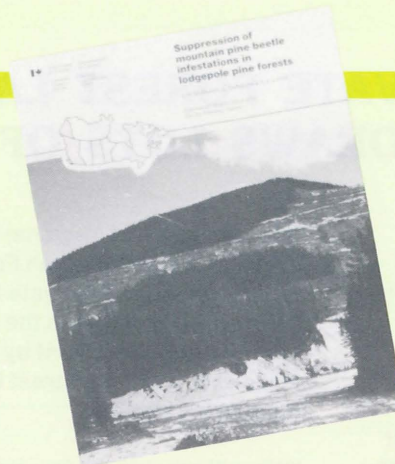
**BC-X-276**

### **Forest insect and disease conditions — British Columbia & Yukon, 1985**

**C.S. Wood and G.A. Van Sickle**

This summary of forest pest conditions in British Columbia and Yukon Territory in 1985 highlight pests that are or may become major forest management problems. Some 44 forest pests are discussed and predictions are made for 1986.

**BC-X-277**



### **Forest sector dependence in rural British Columbia**

**W.A. White, B. Netzel, S. Carr and G.A. Fraser**

One hundred and twenty-six "forest-specialized communities" were identified in this study, many with populations of less than 1000, but one had a population of over 30 000. Communities were evaluated for economic dependence on the forest sector using data from the 1971 and 1981 census.

**BC-X-278**

### **Characteristics of logging residues in the Vancouver Forest Region, 1981**

**G.H. Manning and M.R.C. Massie**

Data from the B.C. Ministry of Forests Waste Survey of 1981 logging were recompiled and analyzed to characterize logging residue by type of yarding, slope of setting, season of logging and tenure.

**BC-X-279**

### **Shawn: a model of Douglas-fir ecosystem response to nitrogen fertilization and thinning, a preliminary approach**

**H.J. Barclay and T.H. Hall**

An ecosystem based model of the growth of Douglas-fir at Shawnigan Lake has been constructed as part of the Shawnigan project. This report documents the models structure and various of its properties.

**BC-X-280**

### **Reports & Publications — 1985**

A listing of all reports and publications authored by Pacific Forestry Centre staff, during 1985.

**BC-X-282**

Copies of these publications may be obtained by filling out the enclosed card and returning it to the PFC Information Office. ■



## PRIVATE FOREST LAND PROGRAM DRAWS LOTS OF INTEREST

A newly-created program offering advice and financial aid to British Columbia landowners who want to improve their forest lands has drawn interest from all corners of the province.

To qualify a British Columbian must own at least 20 hectares of land that can be classed as productive or potentially productive forest property. The Canadian Forestry Service (CFS) will cover up to 80 per cent of the costs for forest improvement projects on the landowner's property, over which the landowner will still retain stewardship.

The funding for this program comes from the \$300 million, five-year, Canada-British Columbia Forest Resource Development Agreement (FRDA) signed last May. Most of the Agreement's programming is cost-shared, but both the province and the federal government have budgets for direct delivery of their own sub-programs.

**Ross Macdonald**, regional Director-General of the Canadian Forestry Service, says the CFS private lands sub-program complements the overall intent of the Agreement by trying to make B.C.'s private forest lands as productive as possible.

"We will provide professional forest management and silvicultural expertise to qualified landowners to help them develop inventory and management plans. Once that is done, funding permitting, the silvicultural work will follow," said Mr. Macdonald.

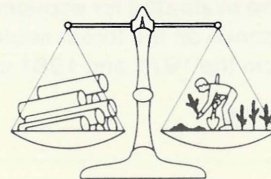
To obtain funding a qualified landowner must submit a project proposal and demonstrate that he is the legally registered owner of the land. If the proposal is approved, the landowner must agree to maintain his private land under continuous forest management for at least 15 years.

Close to 300 enquiries have been received on this program since its announcement in late December, 1985. Anyone wishing further information should contact: **John Burch**, Canadian Forestry Service, 506 W. Burnside Road, Victoria, B.C., V8Z 1M5. ■

### U.S. Herbicide Manual Available

The Auburn University School of Forestry, in cooperation with the Alabama Forestry Association, is selling "A Guide to Silvicultural Herbicide Use in the Southern United States". The core of the guide is the prescription process and associated data base and key. Due to interest from Canadian foresters it is being offered for \$35.00 from: Lenore Hall, School of Forestry, Auburn University, AL 36849-4201, cheques payable to Auburn University School of Forestry.

### REAP AND SOW



Your Forests...  
Your Future



### Canada's Forests 1985

Statistical information on area classification, wood volume, primary forest production, forest industries, exports, etc. are presented in this brochure.

### INFORMATION FORESTRY

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