

THE INTERNATIONAL FORESTERS OF BC

By

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and **other international BC Foresters** who have or will add stories about their work abroad.

FHABC Publisher's Note, Sep 2019:

The minutes of the October 1, 2011 FHABC AGM in Vernon report that the late George Nagle “offered to work on a history of Vancouver’s forest consulting firms that were prominent in the international forest consulting field in the 60s and 70s. Such a history would fill a significant gap in the knowledge of the role that these firms played working on forestry projects all over the world. We look forward to working with George in recording and recognizing the stories and role that these firms and people played in the development of forestry projects in many overseas countries.” George proposed that he and some colleagues “undertake a sketch of this vivid history through member contributions, firstly through an outline of the scope of these interventions overseas, followed by representative individual stories of this experience”

George took the lead in writing the document which follows, with inputs from his co-authors. He also placed an ad (copied below) in the July 2012 UBC Forestry Alumni e-News:

Shortly before his death in 2014, George shared with FHABC his draft document and the seven follow-on stories he had received with FHABC.

We know George would have liked to see them published, and many others agree.

So in George’s memory, we are publishing his draft 17 page document on our website where it can be downloaded or read online. We introduce it to the FHABC community in our September 2019 newsletter.

The seven follow-on stories or extracts of them will appear in future editions of the newsletter. We welcome other members of the BC Forestry community to share their international stories in the FHABC newsletter. Please send submissions to

newsletter.editor@fhabc.org

News



Calling BC's International Foresters

George Nagle, BSF '58, PhD, RPF, PF (ret), has undertaken a volunteer assignment for the Forest History Association of BC to pull together a series of notes on the wide and important contributions of BC foresters in the international arena in areas such as forestry, utilization, marketing, wildlife and so on. If you have a long memory and would be willing to

contribute regarding your most exciting, or rewarding, or important assignment(s) overseas, please contact George at _____@aol.com - he will give you an easy assignment; no pressure. George thanks you in advance!

THE INTERNATIONAL FORESTERS OF BC

INTRODUCTION

One of the most notable elements in the history of BC forestry over the past six decades has been the key role which BC foresters have played in international forestry development. The global needs and problems have been accelerating over the period:

- world population has nearly tripled – doubling from about 2.5 billion in 1945 to 5 billion in 1990, on to 7.1 billion at the end of 2012; with most of the growth occurring in the poorer countries
- land hunger and weak forestry institutions have driven deforestation in these poorer countries, which has amounted to over 10 full 'BC Units' (defined as 60 million ha each) since 1950 (FAO 2012)
- unregulated industrial logging initiated the deforestation process in many developing countries, providing roads and initial clearing – with poor farmers and herders following on, preventing reforestation
- industrial wood production has grown steadily in the developing world, growing from less than 100 million m³ per annum to over 600 million m³; but fuelwood still amounts to 3x industrial wood; in many countries it still provides the bulk of household energy

Swimming against this tide, BC foresters and engineers have been working on sustainable development in the Third World since the Second World War ended. Resource inventories, forest management, tree nurseries, plantation establishment and tending, harvesting operations, economics and planning, rural land use, wildlife management, soil conservation, hydrology, establishment of sustainable industries, fuelwood production and use, forestry and FP research have all been improved through local projects staffed by personnel from BC. BC foresters have also worked abroad in the more developed regions, for example, the UK, Europe and Eastern Europe.

Apart from early forest industries, most of the relevant funding agencies have been active only since WWII; for example, the FAO, UNDP, the Commonwealth, World Bank System, CIDA, UNEP, and the large international NGO's.

THE PIONEERING FIRMS

The BC forestry consulting community played a global leadership role in the 1950's and 60's. Three of the top five forest sector consulting firms recognized by the new World Bank's development arm, the International Bank for Reconstruction and Development (IBRD), had home offices in Vancouver: Sandwell International, Simons International and CD Schultz.

In the early 1950's, there were only two B.C. Consulting forestry firms involved in the international field: C. D. Schultz & Co. and T & H Engineering & Forestry. C.D. Schultz operated as an independent company until the late 1980's. T & H (incorporated 1951), operated as an independent company until 1958, when it became affiliated with Sandwell International and changed its name to Forestal. Not long before, Trory and Hodgins had sold T&H to a BC trio: German forester Helmut Swantje and BC forest engineers Bert Reid and Jim Collins.

The third of the large pioneering firms also grew out of T & H and Sandwell/ Forestal when two of the three partners left the firm, to form Reid, Collins & Assoc in 1961. Later in the 1960's, other medium-sized firms entered the international field. Among those were Charnell &

Assoc, T. M Thompson & Assoc., Steward Ewing & Assoc., Sterling Wood & Assoc., Nystrom, Lee, Kobiashi (NLK) Ltd.

Schultz, Forestal and Reid, Collins were the major BC firms in international forestry for years. The latter two gained some work from their association with the large pulp and paper engineering companies - Sandwell International and H. A. Simons International.

Forestal was wholly owned by Sandwell until the 1980's when Sandwell was taken over by S.N.C. Lavalin of Montreal. The Sandwell group also later acquired TM Thompson & Assoc. SNC sold Sandwell privately to an employee group in the late 1990's. It was recently bought by an Australian mining company (circa 2010).

Reid, Collins was partly owned by H.A. Simons from the late 1970's to 1988, when Reid, Collins became a wholly owned division of Simons and changed its name to Simons Reid Collins.

The BC international consulting community has been buffeted by the same winds of structural and technological change as the BC forest industry over the past half century.

FOUNDING ENTREPRENEURS

Most of the original international firms of B.C. bore the names of their founders, e.g. Charlie Schultz, Lyle Trory and Hugh Hodgins, Bert Reid and Jim Collins, Gordon Charnell, Tom Thompson, Dick Sandwell and Tom Simons. These individuals set the stage for what was to become a major high-tech export segment of the B.C. forest sector. We can truly call the period from 1950-1990 the "Golden Years of B.C. Consulting Forestry". For the first two decades of the period, it is fair to say that Vancouver was the forestry consulting capital of the world.

Although closely related to the forest sector engineering firms over the period, this history cannot cover these larger firms and projects in detail. Each had staff numbering in the thousands, and projects worth billions. This history concentrates on the foresters, the forest engineers, and other resource professionals with primary responsibility for the renewable resources involved and the methods to achieve sustainable development.

FOUNDING CANADIAN AGENCIES

Colombo Plan

The foreign ministers of the British Commonwealth (including Lester B. Pearson) founded the Colombo Plan in January 1950, at a meeting in Colombo, Ceylon. The seven founding nations - Britain, Canada, Australia, New Zealand, India, Pakistan and Ceylon - developed a framework for bilateral arrangements in foreign aid and technical assistance in Asia.

Within a few years, Hunting Aerosurveys was conducting one of the first BC- based aid projects from their Vancouver office - a photography, mapping and land use survey of the watershed behind the new Mangla Dam in West Pakistan. Foresters from T&H-Forestal played a key role.

SCAAP

In the early 1960's, the Special Commonwealth African Assistance Program provided forestry advisors directly to forestry departments in several countries in Africa. Several BC foresters participated. BC-born UNB forester Ralph Roberts (who later directed forestry

programmes at CIDA) was in this early advisory project, together with future World Bank foresters Chip Rowe and John Spears (UK/UBC trained)

CIDA

The Canadian International Development Agency (CIDA) was formed in 1968. BC industrialist John Bene, then Chairman of the Board of Weldwood Canada, became their first Senior Forestry Advisor, and later Director of Professional Services Branch.

CIDA eventually became the primary funding source of Canadian external assistance. By 2012 forestry and conservation projects had been conducted in about 80 countries of the developing world by contractors - firms, NGO's and even provincial agencies.

IDRC

The International Development Research Centre was founded by Canada in 1971, with John Bene as a Governor, and Special Advisor on Forestry. The Centre assists forestry research and education in the developing world, as well as other physical and social sciences critical to sustainable development. One of John's key achievements through IDRC was the establishment of the International Centre for Research in Agroforestry (ICRAF) in Nairobi. This multi-national Centre has become one of the most important renewable resource agencies in the world, along the critical agriculture-forestry frontier.

IDRC currently offers a post-graduate scholarship to Canadian students in the name of John G Bene, to support improvements in social or community forestry. John Bene was truly a BC pioneer in international forestry.

THE WORKPLACE

The bulk of this history unfolded in the less developed tropical forests - in Asia, Africa, Latin America and Oceania. Significant developments were also undertaken with help from BC foresters in temperate forests of the southern hemisphere (e.g. Argentina, Chile), at high altitudes in the tropics, in NE China, the Himalayas and in the middle east.

The following image is derived from the work experience of members of Canadian International Forestry Advisor's Roster (CIFAR) developed for CIDA by Nawitka renewable resource consultants ltd (Victoria) and Darveau Grenier Lussier (Quebec City) in the 1990's. It helps to visualize the geographic experience of of BC foresters and engineers since WWII.



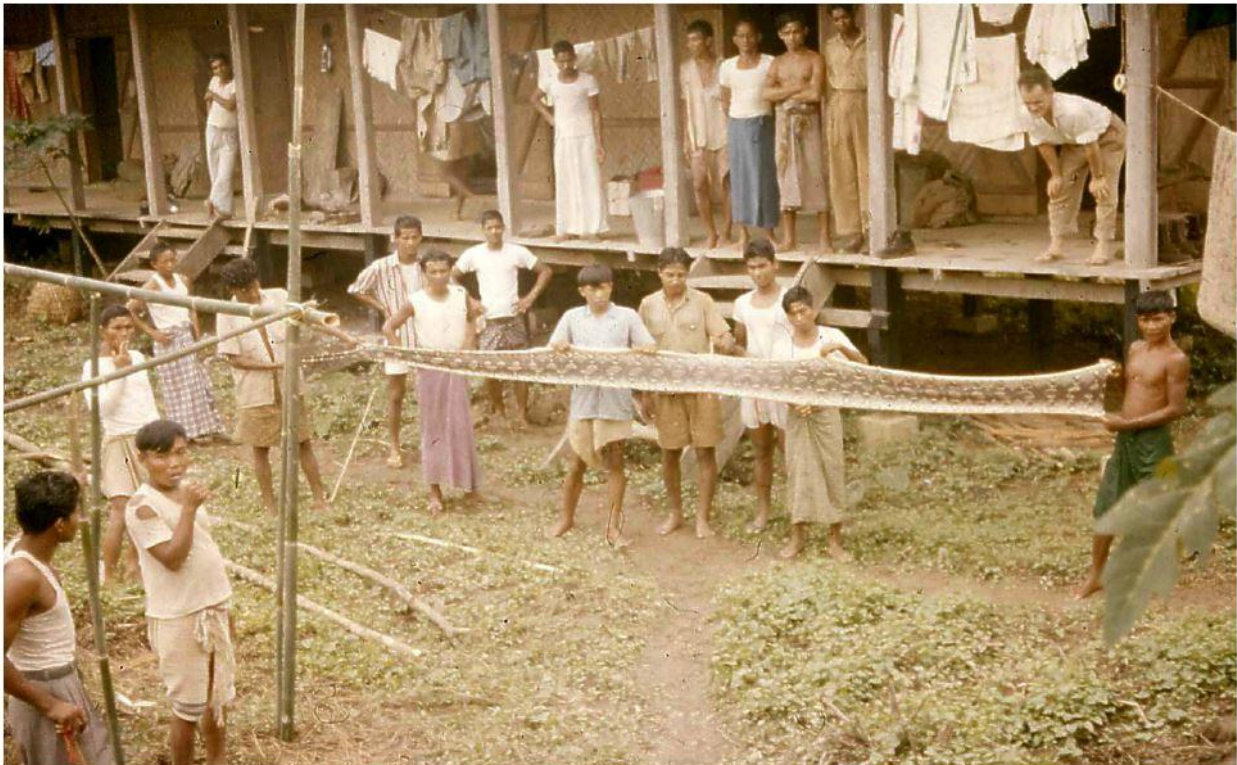
The tropical rainforest is the principal storehouse of biodiversity on land. There can be as many species in a few hectares as in all the forests of Canada. But total forest diversity of the tropics is even broader - there many dry deciduous forests, desert savannas, palm forests, mangroves, and a rapidly growing area of plantations (mostly exotic).

In the tropical forester's realm, all is not a bed of wild orchids and flowering trees, although these are spectacular. Many thorny plants bear 1-2 inch stiff spikes, which more than rival the devil's club. Many plants are more irritating or toxic than poison ivy.

Cool clean BC streams can be very appealing when one learns one could go blind from a parasite in the African stream one just waded through. In places there may be a 20 foot crocodile or 3 tonne hippo in that appealing swimming hole

Even the annoyance of blackflies in June pales in comparison with malaria, black fever, denge fever, sleeping sickness and other effects of some tropical insect bites.

Several snakes are more poisonous than the rattler, and more aggressive. There are those 200-500 pound constrictors. The good news is that they make a gourmet meal for a large crew, with substantial amounts of curry.



Camp crew in Kasalong Forest Reserve, Chittagong Hill Tracts 1962 Jack Eastwood (Forestal) on porch upper right (asian python skin)

Grizzlies are in a class all their own among omnivores, but tigers, lions and leopards are bigger than cougars, and more willing to hunt a man. Even a grizzly would probably leave the trail to a rhino or an elephant. The field "work safe" environment of the tropics presented many challenges, and claimed many victims.

Even so, the forest environments held far fewer risks to project success than the political and institutional environments. BC forest sector people have been on site for practically every political upheaval in the world since WWII. Examples include the foundation and separation of India and Pakistan, the stormy birth of Bangladesh, military takeovers in Indonesia and the Philippines, the fall of the Shah of Iran, the Biafran war, the creation and destruction of corrupt "rulers for life" all over Africa, plus revolutions and counter-revolutions across Central and South America.

As Gerry Burch often said - "trees don't have problems, people have problems" The BC people in international forestry confronted very special people problems.

THE BC PEOPLE

Each of the following individuals played a role, and each has many interesting stories, which we shall sample later. The list is known to be incomplete, and the allocation of specialties and roles is arbitrary, done by the authors of this history. Hopefully it covers most of the basics, and brings back memories which can be used to improve it over time.

There were gradual shifts in emphasis by the funding agencies over the period -from production forestry, industry development, and technical assistance to social forestry and environmental concerns. What is very clear is that the early firms - Schultz, Forestal, Reid-Collins played critical roles.

IMPORTANT FIRMS & EMPLOYEES (* indicates deceased known in 2012)

CD Schultz Co

This history is short on direct stories from CD Schultz, which was the first(?) BC firm with a major international project, and at one time (mid - 50's) was the largest forestry consulting firm in the world. One of their early projects was a mapping and land use survey in the area affected by a hydro project in the Volta R. basin of Ghana. A similar project was executed in the Hadija Basin of northern Nigeria in 1974-76. In between (1965-67) a Schultz inventory of the Calabar rainforest in SE Nigeria was interrupted by the Biafran war in that region.

We invite any readers with further details of CD Schultz international work to write to the authors at (*this was George's email – another contact*))nawitka@aol.com

CD Schultz participants included:

CD Schultz * for eng, exec founder
Bill Ewing * for eng, op anal, plans
Mike Stewart FM, silvic, for inv, plans
Robin Caesar* mgmt, for eng, plans
Dave Bakewell * ind, for eng
Bob Culbert LU, FM, proj
Hank Sweatman * FM, forinv, proj

Vic Young silvic, FM, proj, plans
John Latham for inv, FM, proj
John Austin for inv, FM, proj
Dennis Holden ecol, range, socfor, educ, proj
Einar Hoydal for eng, op anal
Kornel Skapski * for inv, FM, maps, proj
Bob Sitter op anal, forecon

Hunting Aerosurveys

The British company Hunting had a branch office in Vancouver, providing airphoto and mapping services across Canada and around the world. They provided imagery and maps for some of the earliest BC international forestry projects.

T&H Engineering

Lyle Trory for eng, founding exec
Hugh Hodgins for eng. Founding exec
Bert Reid for eng, founding exec
Jim Collins, for eng, founding exec
Helmut Swanje FM, founding exec

A significant portion of the BC international consulting community in forestry was born in this small post-war firm. The founders - Trory and Hodgins - went on to further distinguished careers in BC forestry, after selling the firm to the others.

Forestal International (ex Trory & Hodgins - T&H)

The team has access to a detailed history of Forestal projects from 1958 to 1983, as well as many individual stories of field work in developing countries. These will form the basis of future elements of this history.

Several individuals with the company were global pioneers in photo interpretation, mapping, mensuration and data processing for tropical forests - which was largely unexplored territory in the 1950's. For e.g. -Earle Hindley and Pim Bientjes developed classification and interpretation systems for many uncharted tropical forests, including mangroves.

Bob Breadon (ex BCFS) developed some of the earliest computer processing systems for tropical inventories (1959). Although British, French and Dutch colonial foresters and botanists had done the pioneering work in species identification and classification, Bill Webb and Wim Oudshoorn worked on some of the earliest practical ecology and forest practices work in the tropics, through Forestal projects. These studies included the most important remaining (now threatened) tropical forests and mangroves in the Amazon, Pakistan, Indonesia and West Africa.

Forestal's first international project was a forest inventory and mapping of the Sundarbans Forest Reserve of East Pakistan (now Bangladesh) - one of the world's largest intact mangrove forests - a completely flat, tidal area. Their second project was in the dry mountainous terrain of the Bosques de Chihuahua, Mexico.

Forestal participants in the initial years included:

Helmut Swantje * FM, exec. founder
Jim Collins * foreng, FM, exec, founder
Burt Reid foreng, FM projects, exec founder
Gordon Jones * FM, forinv, projects
Bill Webb * entom, forinv, LU, socfor, projects
Pim Bientes * photog, map, interp
Wim Oudshoorn * FM, ecol, forinv, proj
Kjell Hoell * photog, map, interp
Earle Hindley forinv, photog, interp
George Nagle for inv, LU, forecon
Bob Breadon for inv, data proc, for eng
Bud Ellis * for eng, harv. proj
Bill Welsh * for eng, op anal, proj
Gerry Ferguson " harv, water trans
Al Aldred for inv, photog, interp, mapping
Martin Vennesland FM, mgmt, proj
Gordon Bradshaw for inv, mgmt, proj
Bob McFarlane for inv, FM, proj
Leo Letourneau harv, op anal, proj

Sandwell International - Forestal

Dick Sandwell I&II * eng founders
Peter Vakomies P&P forind, exec
Don Laishley FM, pol, op anal, projects; exec
Ian MacQueen * pol, op anal, proj, exec
Wim Oudshoorn * FM, cons area, ecol, proj
Pim Bienjes * forinv, photog, interp, proj
Mickey Trew forinv, interp, photog
Bill Welsh * FM, op anal, forinv, proj
Bob Breadon forinv, FM, proj design, dataproc
George Nagle for inv, LU, forecon
Bob McFarlane forinv, FM, socfor, proj
Jack Eastwood * FM, forinv, proj
John Phillips * FM, for inv, socfor proj
Hugh McFarlane P&P, op anal, proj
John Wightman FM, mgmt, proj
Jay Blakeny FM op anal, forinv, proj
John Addison FM, forinv, proj
Bill Batten foreng, projects
Alf Fahrenholz FM, forinv, proj
John Rithaler FM, op anal
Conor Boyd for model, RD,
Richard Baerg FM, forinv, proj
John Roper, FM, forinv, proj
David Wright FM, silvic, proj
Paul Ryan FM, silvic, proj
Glen Forrester * for eng, harv, op anal, proj
Jack Easton mills, op anal, fin anal
Mike Apsey for exec, pol, econ, LU
Bob Church mills, op anal, proj
Robin Caesar* for eng. Forinv, FM

Gerry Ferguson " harv, water trans
Peter Schatens silv, for inv, FM
Frank Endean silv, FM, proj
Brian Jones FM, op anal, proj
Rob Wilson FM, op anal, proj
Bob Nelson FM, op anal, proj
Al Monato FM, op anal, proj
Arnold McCombs FM, op anal, proj
Reid-Collins

As mentioned earlier, Bert Reid and Jim Collins left Forestal in 1961 with a dozen others, to form Reid-Collins & Assoc in Vancouver.

Over the next two decades, the firm grew to become the largest forestry consulting firm in BC, and perhaps Canada - with 130 full-time staff in the late 1970's. The firm had branches in Alaska, Washington and Alberta; a tree nursery and an international tree seed business. The firm was also one of the first to invest heavily in digital mapping and GIS in forestry.

The firm continued to execute projects overseas - participants included:

Bert Reid foreng, forinv, FM, founder RC
Jim Collins * for eng, plans, exec founder
Martin Vennessland FM, proj, exec
Gary Kenwood nursery, seed, proj, exec
John Wightman FM, mgmt, proj
Earle Hindley for inv, photog, proj
Al Aldred forinv, photog, projects
Jay Blakeny FM op anal, forinv, proj
Phil Appleby FM, for eng, op anal
John Hammons for eng, op anal, econ
Roar Gjesing for eng, op anal
Karsten Holmsen for eng, op anal, proj
Hugh Marshall silvic, FM, proj
Gord Bradshaw for eng. Proj
Bob Breadon for inv. Data proc, for eng
Dick Dempster FP markets
Dick Herring * FP markets
John Mclellan * for inv, photog, proj
Hubert Bunce silvic, FM, proj
Dave Gardiner * for ind, FP mkt, op anal
Russ Jones FM, mgmt, proj
Rob Hunter
John Latham

Simons International - Reid Collins

The Vancouver engineering firm Simons purchased 25% of Reid Collins in the early 1970's, and acquired 51% in 1980 when Jim Collins retired. Martin Vennessland then became President , and Simons acquired all shares in 1987, when R-C became Simons-Reid Collins, a Division of the larger firm.

H.A. Simons eng, exec founder *
Martin Vennessland FM. proj. exec
Dick Dempster proj, exec
John Wightman FM. For inv, proj mgmt, exec
John Leigh FM, op anal, foreng, projects
Ken Rodney FM, forinv, projects
Jack Eastwood * for inv. FM, proj
Earle Hindley for inv, photog, proj, plans
John Hammons
Frank Eichel
Bob Christie
Gary Kenwood proj, FM, nursery

TM Thomson & Assoc

Tom Thomson developed a successful forest engineering firm in BC, then branched into international forestry - notably executing a large CIDA project in NE China, and a World Bank project in Zimbabwe. Participants included:

Tom Thompson* foreng; proj design; exec founder
Rudy Kind * foreng; proj; plans, exec founder
Peter Eligh FM, projects, plans, exec
John Addison FM, forinv, projects
Dave Barker FM, for eng, op anal, proj
Don Reimer ecol, for models, FM, forecon
Phil Oakley foreng, op anal, projects
Bill Batten foreng, projects
Hugh Marshall FM, silvic, ecol, pol, projects
Bud Iverson for eng, harv, op anal, projects
Adam Ferrie op anal, for models, proj anal
Stewart Macpherson FM, for inv, plans, exec
Vic Young silvics, FM
Derek Morris silvic, FM, plans, proj

Charnell & Assoc

Charnell's most important project was in timber supply from the Caspian Region of Iran, for a pulp mill. The Shaw of Iran fell in the course of the project, suppliers were not paid, and abandoned the field.

Gord Charnell * for eng, founder
Conrad Smith FM, for inv, exec, proj
Don Smith foreng, forinv, proj
Vic Young silvic, FM, proj
Bill Welsh for eng, harv, FM, op anal, forinv
Art Klassen for eng, harv, op anal, policy
Alf Fahrenholz FM, forinv, proj

Stewart - Ewing Assoc

Founders Mike Stewart and Bill Ewing both came out of CD Schultz

Bill Ewing * for eng op anal, exec, founder
Mike Stewart* FM, socfor, projects, founder
Alf Fahrenholz FM, forinv, projects
Hubert Bunce silvic, FM, econ, projects

Sterling – Wood Assoc

Bob Wood * FM, pol, op anal, econ, founder
Jim Trebett foreng, project desgn, mgmt
Bill Sterling foreng, proj, mgmt
Steve Smith for models, farm inv, exec, proj plans

Nystrom Lee Kobiashi - NLK Ltd

Wayne Nystrom eng, op anal, P&P, founder
Lee eng, P&P, op anal, founder
Kobiashi eng, P&P, op anal, founder

MULTINATIONALS

Many BC foresters worked for multinational corporations overseas, both as employees and as consultants. For example, Sandwell-Forestal did pre-feasibility work on the Ludwig plantation and pulpmill-on-a-barge experiment in the Amazon. Their conclusions were negative, but the project went ahead, to a generally unsuccessful billion dollar conclusion.

Later, Shell International did an extensive ex-post review of the project which came to the same conclusion. However, tropical plantations for multinational pulp/paper corporations had success in many regions - adding a whole new dimension to world forestry. Examples where BC foresters worked include Brazil, Chile, Argentina, Paraguay, Uruguay, Indonesia, Phillipines, Papua New Guinea, India, Fiji and South Africa.

Terry Springer of M&B (UBC for eng '58) was an early casualty of global terrorism, when his flight home was bombed out of the air leaving Jakarta. Both M&B and Weyerhaeuser eventually abandoned significant investments in Indonesia under conditions of uncertainty and corruption. Participants included:

SHELL INTERNATIONAL

Mike Bazett eng, proj mgmt, op anal
Brian Jones FM, proj mgmt. op anal

MACMILLAN BLOEDEL

Terry Springer * for eng, op anal
Al Dent for eng, op anal, exec
Neil Brett-Davies econ, pol
Curt Holmes mgmt, plantations, proj

WEYERHAUESER INTERNATIONAL

Conor Boyd for model, RD, exec

BCMof & CFS

Domestic provincial and federal agencies have played important roles in international forestry since WWII as well. Using their experience in BC forestry, many Provincial and CFS

officials and staff participated in international meetings, involving global policies and programmes. Examples have included the FAO annual Committee on Forestry (COFO), International Union of Forestry Research Organizations (IUFRO), and more recently the International Programme on Climate Change (IPCC). BC has also funded and hosted many international forestry and FP trade delegations, with Ministers, civil servants and industry executives.

Deputy Ministers, Chief Foresters, and many specialists have participated since the 1950's.

SCAAP

Several pioneering international foresters 'cut their teeth' in this special advisors programme in Africa, funded by the Commonwealth:

Chip Rowe agrofor, FM, pol, exec , IBRD, ICRAF
John Spears FM, socfor, exec, ngos, IBRD
Ralph Roberts FM, pol, proj, plans, exec
Gordon Jones for inv, FM, proj,
Conrad Smith FM, pol, econ, exec
Hank Sweatman FM, LU, proj
Tony Rotheram FM, pol, exec
Rae Grinnell photog, FM LU
Chuck Bengough FM, FP mfr

CIDA

BC foresters who worked as managers/project officers within CIDA included:

John Bene * forind; plans; exec, soc for
Ralph Roberts FM, pol, projects, plans, exec
Richard Baerg FM, forinv, socialfor, project desgn
John Roper Social for, FM, project desgn

TRADE CANADA

Under various departments of industry, trade, labor and industry groups (federal and provincial) BC foresters have worked on international meetings and projects. Objectives have included extension of BC knowledge as well as promotion of BC products and skills.

Notable BC participants in FP trade expansion for decades have included:

David Taylor FPtrade Canada
Bruce Gurley Fptrade Canada

UNDP

Chuck Lankester global, plans, proj mgmt
David Wright * FM, silvic, proj design

IBRD (World Bank)

John Spears FM global, ngos, plans
Andy Ewing P&P, op anal, plans
Paul Ryan FM, silvic, plans,

AsDB
David Wright * FM, silvic, proj design

FAO

John Spears FM, plans, op anal
Chuck Lankester FM plans, proj
Peter Vakomies P&P, forind, exec
George Nagle forecon plans, proj, studies
Hugh McFarlane P&P, econ, op anal,
Jack Easton forind, op anal, plans
Leo Letourneau harv, op anal, plans
Gary Bull forecon, plans, studies

SMALL OR INDIVIDUAL FIRMS

George Nagle econ, LU, pol, proj desgn (Nawitka)
Goetz Schuerholz wildlife, cons area, local ben (Taesco)
Ray Demarchi wildlife, env,
Gary Robinson econ, pol, pricing (Robinson Assoc)
Bob Hyslop mills, fin, op anal, panels (Hyslop Assoc)
Steve Smith farmfor inv, FM, econ (Sterling Wood, Smith Assoc)
Frank Endean silvic, plantations, FM, projects
Pat Duffy env, LU, pol, cons area
Hans Bujis FM, op anal, econ
Don Reimer for inv, LU, forecol, pol, GIS, models (Reimer Assoc)
Grant Scott socfor, FM, projects
David Ormerod FM, forinv, proj desgn
Len Apedaile socecon, certification

Virgin rainforest New Britain, Papua New Guinea

Art Klassen for eng, harv, op anal, soil cons (Klassen Eng)
Jim Thrower biomet,forinv, project desgn (Thrower Assoc)
Doug Williams pol, models, FM, op anal (cortex consultants)
Melissa Hadley public info, FM, proj plans
Jean Brouard genes, nursery, plantation, pol (Brouard Assoc)
Sally John , FM, nursery, plantation, pol
Dave Barker forinv, FM, proj desgn (Barker Assoc)
Peter Eligh, FM, forinv, LU, pol, proj desgn (Eligh Assoc)
Steve Gardiner (Gardiner Assoc), sawmill design, op anal
John Armstrong op anal, fin, mkts
Chuck Bengough FP mfr prefab housing (Kenya FP)

FIRMS WITH RECENT ROLES

This history is short on recent BC participation in international forestry - someone should take up this challenge, eventually.

Industrial Forestry Services

Harry Gairns FM, for eng, exec

Timberline

Chris Hermanson Malaysia FMI

UBC, FPL, etc TEACHING & RESEARCH

Bob Wellwood * wood tech UBC
Bob Kennedy education, forprod, pol FPL, UBC
John Innis education, climate, pol, global UBC
Gary Bull econ, FAO, climate, FM UBC
PH Pearse econ, pol, project anal UBC
Hamish Kimmins ecol, FM, UBC
Gordon Weetman silvic, FM UBC
Oskar Sziklai gene, pol UBC
Tony Kozaks for iv, mens, dataprocc UBC
Don Munro FM, educ, plans
Les Reed econ, pol, for exec, educ
Al Chambers LU, socfor, projects
Rob Wellwood, CUSO volunteer 2years in Malaysia, wood science
Mike Apps climate, models, RD CFS
Werner Kurz climate, models, RD CFS
Jim Lee forinv, photog, imag, chinaCFS
Vic Heath mills, op anal, education tech BCIT
Terry Honer FM, data, forinv, projects CFS
Peter Ackhurst FM, silvic, projects CFS
John Gray econ, pol, ngo, education UMan
Vern Wellburn for eng, proj anal FERIC
Chris Heamen gene, project anal BCFS
Jeff Burley oxford, education, gene, pol, global, RD

INDIVIDUALS WITH PROJECT, NGO INVOLVEMENT etc

Hundreds of other BC individuals worked as contractors on forest sector projects with the above firms and agencies, or with non-government organizations (NGO) of all kinds - churches, environment groups, local governments etc.

These lists are arbitrary and incomplete, and the team would enjoy comments or corrections (send to ...)

CONSERVATION, WILDLIFE MANAGEMENT, LANDUSE

A gradual but major shift has occurred among donor agencies from production forestry towards resource conservation since the 1980's. Yet conservation in poor countries is often a hard sell to land hungry villagers. It is their children who are threatened by runaway rhinos, or other hazardous wildlife, no matter how threatened the species. It is their herd which depends on new grazing lands, their subsistence fields which are expanding.

Extension, education and participation in benefits are the keys to resource conservation of all kinds. The following individuals made significant contributions to such efforts in the developing world.

Individual BC experts who participated have included:

John Bindernagel wildlife, cons area
Gillian Radcliffe wildlife, ecol, cons area
Gordon Butt land cap, watershed, soil

Bill Hanneson LU, geog, maps, projects
Bill Dumont - FM, LU, silvic CUSO
Jack Cawdery econ, proj anal, env
Alan Ferguson LU, geog, econ, pol
Fiona Chandler env, ecol, RD
Gary Hunnisett educ, cons, instit, projects
Keith Moore ecol, env, ngo, cons policy
Moir Greaven ecol, watershed, educ tech
Chris Roddan FM, watershed, silvic
Michael Harvey env, pol, LU, educ

World Wildlife Fund training camp - Mont Ambre, Madagascar

Stanley Hirst ecol, range, LU, watersheds
Angela Spaxman ngo, wildlife, project
David Dunkley LU, socecon, env

Threatened black rhino, Kenya

Bruce Fraser educ tech, env, ngo, projects
Colin Rankin natparks, env, projects
Ajit Krishnaswamy econ, pol, proj anal
Raoul Wiart forinv, FM, proj anal
Bryan Bogdanski econ, proj anal

AGROFORESTRY, FARM FORESTRY, SOCIAL FORESTRY

Another major shift in external assistance since 1980 has been towards "social forestry" and farm forestry, where emphasis is placed on local ownership of trees and forests, and on the critical boundary between farms and forests in subsistence landscapes. Many participants from BC included:

Carl Hills ngo, socfor
Shelagh Heard ecol, conserv, socfor projects
Wayne Swanson socecon, socfor, LU
lix Flavelle soc for, projects
Julian Wake sociol, socfor
Steve Osborne FM, forinv, agrofor
Liz Osborne soc for, WID, socecon

Villager planting for soil conservation, India

Sue Huddart ngo, nursery, silvic, projects
Jamie McLennan ngo, socfor projects
Ken Crystal agrofor, FM, op anal
Nancy Macpherson global IUCN socfor
John Masai FM, agrofor, ngo, projects
D'Arcy Davis-Case sociol, WID, soc for
David Pettigrew socfor, extension; ngo
Kirsteen Laing socfor, forinv, FM, projects
Kevin Campbell LU. Farmfo, range
Bill Morkill soil, agrofor, projects

Arja Vaino-Mattila sociol, sofor, ngo, FAO
Tony Schori soil, farmfo, RD
Frank Borsa farmfo, soil, agrofor
Barry Hunter farmfo, extension, projects
Mary-Jane Douglas farmfo, soil, socfor
Laura Roddan socfor, socecon, native tenure
Jonathon Moran ecol, educ, agrofor
Drake & Anna Hocking agrofor
Patrick Matakala socfor, agofo, educ tech
Greg Oneill farmfor, ecol,
Tim Brigham agrofor, socecon
Melinda Lo socfor, ext, op anal
James Hope soil, agrofor, LU
Roger Nield forinv, LU, socfor, projects
Jerry Rolls agrofor, socfor, ngo, projects
Maria Correia socfor, WID, extension
Derrick Curtis soil, farmfo, op anal, pol
Melvyn Zwierink agrofor, soils, projects
Tony Beck sociol, socfor, projects

FORMGMT, FOR INVENTORY, FM PLANS

Many agencies, NGO's and firms hired individuals for specific tasks in production forestry as well:

Sandy Segaran biomet, forinv, educ tech
Sheri Walsh silvic, educ tech
Larry McCulloch socfor, FM forinv
David Ratson FM, forinv, op anal, projects
Dale McLean econ, socfor, projects
Berken Fedderson forinv, WID, educ tech
Julius Togel forinv, op anal, projects
Al Hopwood FM, project desgn, projects, pol
Mario Dilucca forinv, biomet, plantation projects
Klaus Roethel FM, silvic, ecol, projects
John Andrews FM , LU, op anal
Howard Stewart ecol, op anal, env, projects
Franz Reuter FM, silvic, agrofo, projects
A. Omule FM, forinv, mens, projects
Wes Cheston pol, op anal, projects
Bruce Devitt silvic, FM, pol
John Latham FM, forinv, educ tech, projects
Adriaan Vink FM, educ tech, op anal
Richard Fahlman, CUSO silvic, FM
Tim McCarthy silvic, pol, op anal

Pine plantation and nursery, Zimbabwe

FOR ENG, OP ANALYSIS, IND ANAL

Liter Yu for eng, op anal, projects
Tony Narcisco mills, maint, tech

Rob Wellwood, CUSO wood science
F.D. Giles op anal, fin. Indecon
Bob Rogers foreng, op anal
Jim Mc Williams econ, op anal, mkt anal
David Gardiner for eng, FM op anal projects
Ian Hudson * for exec, op anal, forind, pol
Peter Schatens FM, op anal, projects
Robert Desbiens econ, wood ener, op anal
Ken Hart for eng, educ tech, harv, projects
Charles Doinet wood tech, op anal, educ tech
Jonathon Phillips foreng, harv, projects
Karsten Holmsen * for eng, opanal, proj anal
Michael Stewart maint, tech
Thomas Hartz forinv, silvic, plantations
Gino Gaiga mech, harv, educ tech
Rowland Atkins eng, harv, env, watershed
Ric Sinclair op anal, pol, extension

FP MARKETS, MARKETING

Barrie Ford FPmarkets
Mike Painter econ, FPtrade COFI
Dick McRae FPmarket
Don Fletcher econ, FPmarkets, proj anal
Sam Sidney-Smith econ, FP mkts, projects
David Cartwright FP markets, op anal, econ
Peter Drake * FPmarkets
Michael Heit FP Trade, pol
Mike Apsey FP Trade, pol, econ

Pine lumber moving to market, Bhutan

Here endeth the first chapter of our history of BC people in international forestry development since 1945. Some exciting individual stories of experience will follow.