
Preface

The final year of any 5-year IUFRO period is a time of mixed emotions and intense efforts. Many Coordinators and Deputy Coordinators of research units and all the members of the Executive Board feel pleased with most of their achievements and some feel saddened at having to move on from their posts within the Union; all are determined to ensure a successful quinquennial Congress at the end of their period of office. This year was no exception; the prodigious efforts of the Congress Organizing Committee and the Congress Scientific Committee, ably supported by leaders and scientists throughout the Union, planned and provided one of the most outstanding IUFRO World Congresses to date, in Kuala Lumpur, Malaysia, during August 2000. Nearly 2000 scientists from 93 countries were able to attend 179 technical and business sessions, 9 In-Congress tours, and 12 Post-Congress excursions in 4 countries. At the Congress itself, distinguished persons received Honorary Membership (2), Distinguished Service Awards (19), Scientific Achievement Awards (11), Outstanding Doctoral Research Awards (7) and Best Poster Awards (9). Some 200 accompanying persons were also registered. At the closing ceremony the IUFRO flag was handed over to Australia, the host of the next Congress in Brisbane during August 2005.

Throughout the year, and indeed throughout the 5-year period, the Executive Board has been concerned at the slight decline in the numbers of Member Organizations, mainly due to withdrawals in Africa (28%), the Mediterranean (10%) and Central and South America (7%); strenuous efforts were made to enhance the appeal and value of the Union to Member Organizations and individual scientists while also seeking ways of keeping down costs and hence membership fees; some individuals and organizations kindly volunteered to pay the fees of institutions in developing countries. The number of IUFRO Officers was maintained and those from Africa and the Western Pacific increased.

In addition to Congress preparations, the traditional work of the Union continued strongly in 2000. Up to the time of the Congress, 46 meetings were held in 27 countries involving 50 IUFRO units; of these 36% were in developing countries and 12% in countries with economies in transition. The proceedings of only ten of these were received thereafter in the Secretariat and I cannot emphasize strongly enough that all publications, proceedings, CD-ROMS, etc. resulting from IUFRO activities should be sent to the Secretariat for archiving and presentation in the LIBERO Database available through the IUFRO home page and to CABI for abstracting. A total of 5 volumes of IUFRO's new Research Series were published by CABI during the reference year and the Secretariat produced 2 volumes of

IUFRO World Series and four issues of IUFRO News including the special Congress information material. The Secretariat also maintained, expanded and improved the incomparable IUFRO web-site; in the first six months of 2000 this site received approximately 3000 "hits" each day. The importance of technical and managerial information worldwide was emphasized by the development of the Global Forest Information Service, a metadatabase of databases, in a multi-institutional initiative coordinated by IUFRO; one of the largest financial contributions IUFRO has ever received was from the European Union for the establishment of an African network of nodes for the input and output of information within GFIS.

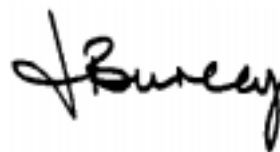
Throughout the 5-year period IUFRO made increasing efforts to have a voice and impact in international fora. In 2000 it made significant contributions to the Inter-governmental Forum on Forests, to the preparations of its successor (the United Nations Forest Forum), and to FAO's Committee on Forestry. The President and several other members of the Executive Board gave keynote addresses, invited speeches and technical papers or otherwise represented the Union at major conferences of other organizations.

At its last meeting of the period, held in conjunction with the Congress in Malaysia, IUFRO's International Council made a number of far-reaching changes to the Union's Statutes. These included the change of one word in the English title - "Forestry" became "Forest" with effect from 1 January 2001 - to reflect the wider appeal of the Union to biophysical and social scientists concerned with forests rather than traditional forestry (management and use) *per se*. Secondly the category of Regional Representatives on the Executive Board was replaced by General Members to allow the President, Board and International Council greater flexibility in seeking scientific, geographic, gender and age balances in the Board's membership. Thirdly the title of IUFRO's Secretary was changed to Executive Secretary, the Executive Board became simply the Board, and the two major committees (Programme and Administration) were re-named Science and Policy; all of these changes reflected better the position of work and responsibility at the higher levels of IUFRO's structure and should facilitate greater understanding by the Union's membership of the way in which the Union is organized to support their work better.

The routine work of the Divisions, Special Programmes, Projects and Task Forces is described in this annual report, together with the administrative support provided by the Secretariat. Without this incredibly dedicated and motivated support from the Secretary and all the Secretariat staff, the work and reputation of our Union would

not command the international respect that I believe it does. To these persons and indeed to all IUFRO scientists, research leaders, directors of Member Organizations and members of the International Council and Executive Board, I express my sincere personal thanks, congratulations and

best wishes for success under the leadership of our new President and Board.



*Professor Jeff Burley
President*

DIVISION 1 - SILVICULTURE

Coordinator: Lisbeth Sennerby-Forsse
Deputy Coordinators: John Parrotta
Menachem Sachs
Rodolfo Salazar

Introduction

Division 1 includes the study of forest and ecosystem management; stand establishment and treatment (including fertilization); agroforestry; biomass for energy; restoration of degraded sites; mountain zone and arid zone silviculture; tropical, boreal and temperate zone silviculture; and natural (extensive) and artificial (intensive) silvicultural systems.

The Division currently consists of 9 Research Groups (RG) with 31 Working Parties (WP) for a total of 40 units. Division officers total about 100 with an additional 4 vacancies. The officers represent 40 nations.

Division matters

The Executive Board meeting in 2000 took place in Malaysia, organized by the Forest Research Institute of Malaysia (FRIM) immediately prior to the XXI IUFRO World Congress in Kuala Lumpur. The structural changes in Division 1 decided upon by the Board at that time are listed below.

Changes in D1 leadership

- WP 1.05.05: The European Norway Spruce Thinning Experiment. *New Coordinator is Jens Peter Skovsgaard (Denmark); new Deputy Coordinator is Ulf Johansson (Sweden).*
- WP 1.05.06: Multiple-use Silviculture. *New Deputy Coordinator is Jacky Croke (Australia).*
- WP 1.05.13: Shelterbelts. *Bruce Wight (USA) appointed as new Deputy Coordinator.*
- WP 1.15.04: Social and Economic Research in Agroforestry. *New Coordinator is Christine Holding (Kenya) and Deputy Coordinator is Steve Franzel (Kenya).*

Vacancies in D1 Leadership

- WP 1.05.04: Characterization of Plant Material – *Deputy Coordinator*
- WP 1.05.08: Natural Stand Regeneration – *Coordinator*
- WP 1.05.12: Northern Forest Silviculture and Management – *Coordinator*
- WP 1.07.18: Forest Dynamics and Yield Regulation Systems for Tropical/Subtropical Moist Forests – *Deputy Coordinator*

Selected Publications from Recent Meetings

- Proceedings of the IUFRO 1.05.14 international field trip meeting on Mediterranean Silviculture with Emphasis on *Quercus suber*, *Pinus pinea* and *Eucalyptus* sp. held in Seville, Spain from 15-19 May, 2000; compiled by Isabel Cañellas.
- Proceedings of the CATIE-Agroforestry Systems Unit's international symposium "Multi-strata Agroforestry Systems with Perennial Crops" held in Turrialba, Costa Rica, February 22-27, 1999; compiled by Francisco Jiménez and John Beer.
- Proceedings of the IUFRO 1.06.00/2.08.05 conference "OAK 2000 – Improvement of Wood Quality and Genetic Diversity of Oaks" held in Zagreb, Croatia from 20-25 May, 2000; published in volume 37 of *Annales Experimentis Silvarum Culturae Provehendis* by the Faculty of Forestry, University of Zagreb.

Awards

In recognition of their scientific accomplishments and significant contributions to IUFRO, recipients of IUFRO's prestigious Distinguished Service Award (DSA) in 2000

included Walter Eder (Germany), Coordinator of WP 1.05.16 (Ecology and Silviculture of European Silver Fir) and Walter Schönenberger (Switzerland), Deputy Coordinator of WP 1.05.14 (Silvicultural Problems in Mountain Regions). *Congratulations!*

Meetings 2000

In 2000 a total of 11 meetings were held (listed below) outside the XXI IUFRO World Congress. At the Congress, 11 Group Sessions, several Divisional, RG and WP business meetings, and 2 Subplenary sessions organized by D1 officers were held. Detailed information on these meetings can be found in the Calendar of Meetings on the IUFRO website: <http://iufro.boku.ac.at>, and in meeting reports published in IUFRO News in the months following the events.

WP 1.05.14/1.05.08 – Silvicultural Problems in Mountain Regions/Natural Stand Regeneration. *Mediterranean Silviculture with Emphasis on Quercus suber, Pinus pinea and Eucalyptus sp.*, Seville, Spain, May 15-19.

WP 1.05.16 – Ecology and Silviculture of European Silver Fir. *9th International Silver Fir Symposium*, Skopje, F.Y.R. Macedonia, 21-26 May.

RG 1.06.00/2.08.05 – Improvement and Silviculture of Oaks/Genetics of *Quercus*. *Improvement of Wood Quality and Genetic Diversity of Oaks*, Zagreb, Croatia, May 20-25.

WP 1.07.05/1.05.08/3.05.00 - Natural Regeneration of Tropical Rain Forests/Natural Stand Regeneration/Forest Operations in the Tropics. *Integrated Management of Neotropical Rain Forests by Industries and Communities*, Belém, Pará, Brazil, December 4-8.

WP 1.07.09 – Silviculture in Latin America. *Manejo Sostenible de los Recursos Forestales*, Pinar del Río, Cuba, April 24-29.

RG 1.09.00 – Short Rotation Forestry for Biomass Production. *3rd Biennial Conference of Short Rotation Woody Crops Operations Group*, Syracuse, NY, USA, October 10-13.

RG 1.14.00/8.00.00 - Unevenaged Silviculture/Forest Environment. *Forest Ecosystems – Ecology, Conservation and Sustainable Management*, Chengdu, Sichuan, P.R. China, August 15-21.

WP 1.17.02 – Restoration of Temperate & Boreal Forests. *Austrian Forest Ecosystem Restoration – Ecological and Economical Impacts of Restoration Processes in Secondary Coniferous Forests*, Vienna, Austria, April 10-12.

WP 1.17.02 – Restoration of Temperate & Boreal Forests. *Restoration of Bottomland Hardwood Forests*, Oxford Mississippi, USA, May 24.

WP 1.17.03 - Tropical Forest Restoration. *Regional Workshop on Forest Restoration for Wildlife Conservation*, Chiang Mai, Thailand, January 30-February 4.

Lisbeth Sennerby-Forsse
Coordinator, Div 1

DIVISION 2 - PHYSIOLOGY AND GENETICS

Coordinator: Eric Teissier du Cros
Deputy Coordinators: Ladislav Paule
Robert J Luxmoore

Introduction

Congress years tend to disturb the normal activity of Research Groups and Working Parties because all the attention is focused on the Congress. For Division 2, this is true but several units have held meetings independently of the Congress and produced publications. This will be developed in this report.

However, a Congress year is a special moment because it is a time for recognizing the activity of officers who have served IUFRO generally and Division 2 particularly.

During the Congress Antoine Kaliniganire, Australia, was selected to receive Division 2's Best Poster Award. The Outstanding Doctoral Research Award was received by Rung Peng Wei, China, and the Scientific Achievement Award was presented to Francis Yeh, Canada and Bruce Dancik, Canada. Congratulations! In 2000 or soon before several officeholders received IUFRO's Distinguished Service Award:

- Robin Cromer, Australia (2.08.00),
- George Edwards, Canada (2.09.00),
- Steve Horsley, USA (2.01.08),
- Tom Ledig, USA (2.04.09),
- Veikko Koski, Finland (2.04.00 and Task Force "Management and Conservation of Forest Gene Resources")

- Csaba Matyas, Hungary (2.02.00 and All Division 2 Conference, Beijing 1998)
- David Whitehead, New Zealand (2.01.12).

All of them have now retired from their passed IUFRO activities, but some have new ones and I am sure that all are cooperating in the background. Thank you to all of them.

Division 2 Sessions During the IUFRO Congress

Division 2 held 10 sessions during the Congress and some of the discussions attracted quite a lot of participants. For instance, the second Group Session on “Future of breeding and plantations in a sustainably-oriented world” organized by Csaba Matyas attracted the largest number of participants in the Congress (150).

As for all other Divisions, the rate of no-show during poster sessions was high: 39 of the 83 planned ones.

The Sub-Plenary Session organized by the Task Force on Management and Conservation of Forest Gene Resources was also a success with more than 300 participants.

Two of the Plenary Sessions mentioned genetics. Both Christine Dean and M.S. Swaminathan mentioned genetically modified trees (GMT). The latter particularly stressed that without GMTs large parts of the world’s population, whose land will be drowned in salt water in the likely case of global warming, will not survive without trees that tolerate salinity.

Structural Changes

Very few changes have taken place in 2000 since a deeper renovation is being prepared for the new IUFRO term starting 1 January 2001.

2.01.17. Physiology of Vegetative Reproduction. New Coordinator, Olivier Monteuis, Cirad, France. Name of Deputies will be ready for early 2001.

2.02.07. Larch Breeding and Genetic Resources. One of the Deputy Coordinators, Gary Wyckoff, resigned. He will be replaced at the next meeting of the WP in 2002.

2.02.20. Breeding and Genetic Resources of Southern Pines. New Deputy: Barbara McCutchan, Westvaco Research Center, Covington, Virginia, USA.

2.04.10. Genomics. Newly created. David Neale, Coordinator, Toby Bradshaw, USA and Christophe Plomion, France, Deputy Coordinators.

2.08.04. Poplars and Willows. Please notice shorter name.

Activities, Publications and Plans

The following Division 2 Units held sessions during the 2000 Congress :

- 2.01.00. Physiology of tropical and temperate trees.
- 2.01.17. Vegetative propagation.
- 2.02.00/2.08.00. Future of breeding and plantations in a sustainability-oriented world (2 sessions),
- 2.02.00/2.08.00. Genetic variation.
- 2.04.01. Conservation and management of forest gene resources.
- 2.04.02. Genetics and traits.
- 2.09.00. Seed physiology and technology.
- 2.10.00. Legislation of forest reproductive material.

The following Division 2 Units held business meetings: whole Division 2, 2.02.15, 2.02.23, 2.08.00, 2.09.00.

Division 2 activity independent of the Congress is summarized hereafter.

2.00.00. Division 2. The proceedings of the 1998 whole Division 2 conference in Beijing were published in early 2000: “Forest Genetics and Sustainability. Third IUFRO-FAO Consultation on Forest Genetics and Tree Improvement. Csaba Matyas (Ed.). August 22-28, 1998, Beijing, China. Kluwer Academic Publishing House at Dordrecht, The Netherlands.” A summary of conclusions was also published: “Teissier du Cros, E., Matyas, C., Paule, L., 1999. Contribution of genetics to the sustained management of global forest resources. Third IUFRO-FAO Consultation on Forest Genetics and Tree Improvement. Conclusions and Recommendations. August 22-28, 1998, Beijing, China. Forest Genetics, 6(3) 61-64.”

2.01.11. Shoot Growth Physiology. Membership ca. 170. *Activities.* The main activity of this WP is electronic communication by the TREEPHYS, tree physiology discussion list.

2.01.12. Canopy Processes. Plans. Travelling workshop “Linking the complexity of forest canopies to ecosystem and landscape function”. July 11 - July 19, 2001, starting in Portland, OR, USA, travelling to Bend, OR, and ending in Corvallis, OR. Coordinator Michael G. Ryan, mryan@lamar.colostate.edu.

2.01.14. Cold and Drought Hardiness. Plans. Workshop “Genomics and Forest Tree Stress Tolerance”. Chania, Crete, Greece, 2002. Organizer: Andreas Doulis. Possible co-organizers 2.04.06 and 2.04.10.

2.01.17. Physiology of Vegetative Reproduction. Plans. Adventitious Root Symposium scheduled for 2003.

2.02.07. Larch Breeding and Genetic Resources. 40 members. *Activities.* International seminar: “Properties and Use of Larch Wood” in Jönköping, Sweden, May 22-23. 65

participants from 9 different nations. **Publication.** Martinsson, O., Takata, K, 2000. The Russian-Scandinavian Larch Project. Final report on seed collection and seed germination. SLU, Dep. of Silviculture, Working Report 159. **Plans.** Meeting in France in September 2002 (Organizer: Luc Pâques, INRA Orléans).

2.02.11. Norway Spruce Breeding and Genetic Resources. **Publications.** Proceedings of the conference on Norway spruce in Stara Lesna (Slovakia) in 1997 and also in the Czech Republic and Poland will be distributed in early 2001.

2.02.15. Breeding and Genetic Resources of five-needle pines. **Plans.** Conference near Medford, Oregon, USA, July 24 to 27, 2001. See Announcement and Registration form in Working Party web page. The web page will also inform you on recent publications.

2.02.20. Breeding and Genetic Resources of southern Pines. **Plans.** One conclusion of the 1999 Working Party meeting was to initiate a pine genome project. Contact Working Party Coordinator for further information.

2.02.23. Breeding and Genetic Resources of Asian Conifers. **Plans.** Seminar in India, September 2001. Contact : Dr. P. K. Khosla.

2.04.00. Genetics. **Plans.** Joint international conference "Wood, Breeding, Biotechnologies and Industrial Expectations" in Bordeaux, 11-14 June 2001. Organizers : IUFRO 2.04.00 and 5.01.02, and the European Union. See detail in Research Group web page.

2.04.06. Molecular Biology of Forest Trees. **Plans.** Meeting "Tree biotechnology. The Next Millennium". July 22-27, 2001. Skamania Lodge, Stevenson, Washington, USA. More information in Working Party web page.

2.04.09. World Directory of Forest Geneticists and Tree Breeders. **Activities.** Permanent updating of database. Please visit the Working Party web site and Dendrome to update the information on yourself and your colleagues.

2.04.10. Genomics. **Plans.** Annual meeting of WP at "Plant and Animal Genome meeting" in San Diego, CA, USA Jan. 14, 2001. This is an annual meeting. Please contact Working Party Coordinator for the 2002 meeting.

2.08.01. Tropical Species Breeding and Genetic Resources. **Activities.** Conference in Durban, 8-13 October 2000: "Forest Genetics for the Next Millennium". 120 delegates from 18 countries. Co-organized by 2.08.03.

2.08.02. Improvement and Culture of Nitrogen Fixing Trees (NFT). **Publications.** Please visit "NFT News - Improvement and Culture of Nitrogen Fixing Trees, February 2000, Vol. 3 No. 1" on Working Party web site.

Plans. Meeting of "Consultative Group for Research and Development of Acacias" in 2001.

2.08.03. Improvement and Culture of Eucalypts. **Activities.** (1) Symposium on Hybrid Breeding and Genetics, Noosa, Queensland, Australia, organized by the Queensland Forestry Research Institute, 9-14 April 2000. (2) see 2.08.01. (3) "Eucalyptus in the Mediterranean Basin: Perspectives and new Utilisations", Crotona, Italy, 15-19 October 2000. **Plans.** International Symposium "Developing the Eucalyptus for the Future". Valdivia, Chile, 10-15 September 2001. Pre-symposium technical tour 3 - 8 September 2001. More information in the Working Party web site.

2.08.04. Poplars and Willows. **Plans.** Next meeting : "International Poplar Symposium III" in 2002. Location yet to be announced.

2.08.05. Genetics of Quercus. **Activities.** International meeting "Oak 2000. Improvement of Wood Quality and Genetic Diversity of Oaks", in Zagreb, Croatia, May 20-25, 2000 in conjunction with 1.06.00 (Improvement and Silviculture of Oaks). **Publications.** (1) Anic, Igor (technical editor). 2000. Proceedings from the Conference "Oak 2000. Improvement of Wood Quality and Genetic Diversity of Oaks". Glasnik za Sumske Pokuse (Zagreb) 37: 1-495. (2) Vukelic, J. and I. Anic (eds.). 2000. Oak 2000, Improvement of Wood Quality and Genetic Diversity of Oaks, Poster Abstracts, Faculty of Forestry, University of Zagreb. 88 pp. **Plans.** Meeting in 2003 at the Forestry and Forest Products Research Institute, Kukizaki, Ibaraki, Japan. Organizer : Ayako Kanazashi. Joint meeting probably with 1.06.00.

2.09.00. Seed Physiology and Technology. **Plans.** (1) Meeting "Stress Tolerance in Seeds: Genetic, Molecular and Physiological Mechanisms", Wageningen, The Netherlands, April 4-7, 2001. (2) Joint Symposium on "Tropical Silviculture and Tree Seed Technology", Los Baños, Philippines, April 30-May 3, 2001. (3) 26th Congress "International Seed Testing Association", Angers, France, June 14-22, 2001. For more information about these meetings please visit Research Group web site.

*Eric Teissier du Cros,
Bob Luxmoore and Ladislav Paule
Coordinator and
Deputy Coordinators of Div 2*

DIVISION 3 - FOREST OPERATIONS AND TECHNIQUES

Coordinator: Dennis P. Dykstra
Deputy Coordinator: Ann-Merete Furuberg-
Gjedtjernet (non-acting)
William Cordero
Administrative Officer: Rita Mustikasari

For more information, contact **Dr. Natalino Silva**,
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Belém – Pará, Brazil; fax: +55 91 276-004, e-mail:
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1 Division 3 Activities in Connection with the IUFRO World Congress in Kuala Lumpur

- **Summary of the Division 3 technical programme during the World Congress:**

Research Group technical sessions:

12 (by 9 Research Groups)

Subplenary sessions organized or co-organized by
Division 3: 4 (Subplenaries A6, B4, C1, and C2)

Submissions refereed: 134

Oral presentations accepted: 59

Poster presentations accepted: 56

Division 3 held a general business meeting, and most
Research Groups also held business meetings.

- **Distinguished Service Awards** were presented during the XXI IUFRO World Congress to two scientists whose work has long been associated with Division 3. Prof. Dr. **Helmut Brandl** of Germany, the “creator” and first Coordinator of 3.08.00 Small Scale Forestry, and Prof. Dr. **Elias Apud**, a world-renowned specialist in ergonomics research and an officer of 3.07.00 Ergonomics, received their awards during the Division 3 general meeting at the Congress.

- The poster selected to receive the **Division 3 Best Poster Award** was entitled “Effect of forest harvesting on soil physical properties and productivity” by **Ivor K. Edwards** of the Northern Forestry Centre, Canadian Forest Service, Alberta, Canada. Congratulations to Dr. Edwards for this outstanding work. Dr. Edwards’ poster was selected for the award from the slate of excellent Division 3 entries by a committee comprising **Mike Menzies** C3.02.00 (Coordinator), **John Garland** D3.07.00, and **Risto Lauhanen** C3.11.00.

2 Report of other activities by Research Units during 2000

- **3.00.00**—The Division cooperated with Division 1 and with EMBRAPA, CIFOR, CATIE, and CIRAD-Forêt to sponsor a symposium on “New Approaches for the Management of Neotropical Primary Rainforests by Industries and Communities”, 4-8 December 2000 in Belém, Para, Brazil. *Proceedings* are being prepared.

- **3.04.00, 3.06.00, and 3.10.05**, in cooperation with the Wood Logistics Club, organized a conference on “Logistics in the Forest Sector”, which was held from 15-16 May 2000 in Helsinki, Finland. The symposium was hosted jointly by the University of Helsinki and the Industrial Insurance Company. About 45 scientists and practitioners attended the meeting to exchange ideas on the topic of logistics and to identify future opportunities for research and development. One concrete outcome from the symposium was the recommendation that a Research Group on logistics be formed within IUFRO Division 3. *Proceedings* of the conference have been published and are available from **Kim Sjöström**, c/o Econpap, Anjas 3 A 33, 02230 Espoo, Finland; tel. +358 405 500 780; fax +358 9 191 7755; email sjostrom@technologist.com.

- **3.08.00**, together with James Cook University, organized a conference entitled “Developing Policies to Encourage Small-Scale Forestry”, which was held from 9-13 January 2000 at the Kuranda Rainforest Resort in the mountains above Cairns, Queensland, Australia. The symposium attracted 80 delegates from 20 countries. *Proceedings* of the conference have been published and are available from **John Herbohn**, School of Natural and Rural Systems Management, The University of Queensland, Gatton 4343, Australia; tel: +61-7-5460-1646; fax: +61-7-5460-1324; Email: john.herbohn@uqg.uq.edu.au.

3 New Structure of Division 3

During the Division 3 business meeting held during the IUFRO World Congress in Kuala Lumpur the following decisions were made by the members present. Ratification of these decisions will be requested of the IUFRO Executive Board at its first meeting in 2001.

- A proposal to significantly restructure the Division was defeated. With the exception of several modest modifications, the Division will retain essentially its present structure.
- The Division’s name will henceforth be “**Forest Operations**”. Previously its name was “Forest Operations and Techniques”. Several Working Parties will also have new names.

- A new Research Group, **3.12** on logistics, was approved.
- The Division's structure will be as indicated in the following table, with officers as shown.

Divisional Coordinating Unit

3.00.00 FOREST OPERATIONS

[New name]

Dennis P. Dykstra, Coordinator (USA)

Hans R. Heinimann, Deputy Coordinator and Division 3 Web Moderator (Switzerland)

Mike Menzies, Deputy Coordinator (New Zealand)

Amaury Paulo de Souza, Deputy Coordinator (Brazil)

Research Group

3.02.00 OPERATIONAL METHODS IN THE ESTABLISHMENT AND TREATMENT OF STANDS

Ken McNabb, Coordinator (USA)

Dag Fjeld, Deputy Coordinator (Norway)

Parvinder Kaushal, Deputy Coordinator (India)

Working Parties

3.02.01 SILVICULTURAL OPERATIONS

[Formerly 3.02.01 and 3.02.02—now combined and renamed]

Mark Ryans, Coordinator (Canada)

Marcelo Kogan, Deputy Coordinator (Chile)

Norocel-Valeriu Nicolescu, Deputy Coordinator (Romania)

3.02.03 NURSERY OPERATIONS

Anders Mattsson, Coordinator (Sweden)

Barri Herman, Deputy Coordinator (USA)

Lorenzo Ciccarese, Deputy Coordinator (Italy)

Research Group

3.04.00 FOREST OPERATIONS MANAGEMENT

[new name]

Esko Mikkonen, Coordinator (Finland)

Bob McCormack, Deputy Coordinator (Australia)

E. W. Ted Robak, Deputy Coordinator (Canada)

Working Parties

3.04.01 OPERATIONS MANAGEMENT AND MODELING [new name]

Maarten Nieuwenhuis, Coordinator (Ireland)

Francisco Marcos Martín, Deputy Coordinator (Spain)

Timo Leinonen, Deputy Coordinator (Finland)

Tetsuhiko Yoshimura, Deputy Coordinator (Japan)

3.04.03 OPERATIONS MANAGEMENT INFORMATION

[new name]

Hideo Sakai, Coordinator (Japan)

Seca Gandaseca, Deputy Coordinator (Indonesia)

H. Hulusi Acar, Deputy Coordinator (Turkey)

Research Group

3.05.00 FOREST OPERATIONS IN THE TROPICS

Rudolf Heinrich, Coordinator (FAO, Italy)

Elias, Deputy Coordinator (Indonesia)

Jorge R. Malinovski, Deputy Coordinator (Brazil)

Plinio Sist, Deputy Coordinator (France)

Research Group

3.06.00 FOREST OPERATIONS UNDER MOUNTAINOUS CONDITIONS

Masami Shiba, Coordinator (Japan)

John Sessions, Deputy Coordinator (USA)

Working Parties

3.06.01 ACCESSIBILITY OF MOUNTAIN FORESTS

Jorge Gayoso, Coordinator (Chile)

Masami Shiba, Deputy Coordinator (Japan)

3.06.02 HARVESTING IN MOUNTAIN FORESTS

Ewald Pertlik, Coordinator (Austria)

Muhammad Farid A. Rashid, Deputy Coordinator (Malaysia)

Research Group

3.07.00 ERGONOMICS

John Garland, Coordinator (USA)

Willbard S. Abeli, Deputy Coordinator (Tanzania)

Elias Apud, Deputy Coordinator (Chile)

Wielasawa L. Nowacka, Deputy Coordinator (Poland)

Richard Parker, Deputy Coordinator (New Zealand)

Peter Poschen, Deputy Coordinator (ILO, Switzerland)

Robert Rummer, Deputy Coordinator (USA)

Yozo Yamada, Deputy Coordinator (Japan)

Working Parties

3.07.01 PHYSICAL WORK ENVIRONMENT: NOISE, VIBRATION, CLIMATE, LIGHT

[modified name]

Marjan Lipoglavsek, Coordinator (Slovenia)

Deputy Coordinator: Vacant

3.07.03 SAFETY, HEALTH AND NUTRITION

[modified name]

Dianne Staal-Wästerlund, Coordinator (Sweden)

Deputy Coordinator: Vacant

3.07.05 MECHANIZATION / DESIGN OF WORK SYSTEMS

[new name]

Sten Gellerstedt, Coordinator (Sweden)

Deputy Coordinator: Vacant

3.07.06 WORKFORCE: RECRUITMENT, SELECTION, TRAINING, MOTIVATION, PSYCHOLOGICAL NEEDS
Kaija Kanninen, Coordinator (Finland)
Deputy Coordinator: vacant

3.07.07 ECONOMICIS OF WORKFORCE IMPROVEMENTS
Cornelis de Hoop, Coordinator (United States)
Deputy Coordinator: vacant

Research Group

3.08.00 SMALL-SCALE FORESTRY
Pentti Hyttinen, Coordinator (Finland)
John Herbohn, Deputy Coordinator (Australia)
Ikuo Ota, Deputy Coordinator (Japan)

Research Group

3.09.00 ECONOMICS AND HARVESTING OF THINNINGS
Pieter D. Kofinan, Coordinator (Denmark)
Jean-François Gingras, Deputy Coordinator (Canada)
John Lyons, Deputy Coordinator (Ireland)
Raffaele Spinelli, Deputy Coordinator (Italy)

Research Group

3.10.00 HARVESTING, WOOD DELIVERY AND UTILIZATION
Daniel Guimier, Coordinator (Canada)
Loren Kellogg, Deputy Coordinator (USA)
Piotr Paschalis-Jakubowicz, Deputy Coordinator (Poland)

Working Parties

3.10.01 HARVESTING AND PRODUCT QUALITY
Michael Brink, Coordinator (South Africa)
Staffan Berg, Deputy Coordinator (Sweden)
Leonard Johnson, Deputy Coordinator (USA)

3.10.02 HARVESTING AND UTILIZATION OF NONWOOD TREE BIOMASS
Jan Ilavský, Coordinator (Slovak Republic)
Maris Daugavietis, Deputy Coordinator (Latvia)

3.10.03 HARVESTING AND TREE PROCESSING
Jean Sionneau, Coordinator (France)
Pierre Zundel, Deputy Coordinator (Canada)
Antti Peltola, Deputy Coordinator (Finland)

3.10.04 HARVESTING AND FOREST ENERGY
Wang Lihai, Coordinator (China)
Pieter D. Kofman, Deputy Coordinator (Denmark)
Nuutti Kiljunen, Deputy Coordinator (Finland)

3.10.05 WOOD DELIVERY
Eric Amlin, Coordinator (Canada)
Bob McCormack, Deputy Coordinator (Australia)
Philip Owende, Deputy Coordinator (Ireland)

Research Group

3.11.00 FOREST OPERATIONS AND ENVIRONMENTAL PROTECTION
Risto Lauhanen, Coordinator (Finland)
Jusoff Kamaruzaman, Deputy Coordinator (Malaysia)
Robert L. Karr, Deputy Coordinator (USA)
Steven Schoenholz, Deputy Coordinator (USA)

Working Parties

3.11.01 SITE IMPACT CAUSED BY FORESTRY OPERATIONS
Dietmar Matthies, Coordinator (Germany)
Awatif E. Hassan, Deputy Coordinator (USA)
Lubin Koubaka, Deputy Coordinator (Republic of Congo)
Wang Lihai, Deputy Coordinator (China)
Robert Robek, Deputy Coordinator (Slovenia)
Iwan Wästerlund, Deputy Coordinator (Sweden)

3.11.02 FOREST OPERATIONS ON SENSITIVE SITES
Ann Merete Furuberg-Gjedtjernet, Coordinator (Norway)
Jusoff Kamaruzaman, Deputy Coordinator (Malaysia)
Morten Nitteberg, Deputy Coordinator (Norway)

3.11.03 METHODS AND TECHNIQUES FOR SITE PROTECTION AND IMPROVEMENT
Robert L. Karr, Coordinator (USA)
Jari Ala-Ilomäki, Deputy Coordinator (Finland)
Abdul Rahman Md. Derus, Deputy Coordinator (Malaysia)
Ivor K. Edwards, Deputy Coordinator (Canada)
A.J. Koolen, Deputy Coordinator (Netherlands)
Alois Skoupy, Deputy Coordinator (Czech Republic)

Research Group

3.12.00 FOREST LOGISTICS
[New Research Group]
Bo Dahlin, Coordinator (Sweden)
Jean Favreau, Deputy Coordinator (Canada)
Bob McCormack, Deputy Coordinator (Australia)
Kim Sjöström, Deputy Coordinator (Finland)

Altogether 93 offices are held by 87 individuals. In addition there are currently 5 vacancies, all at the level of Working Party Deputy Coordinators. About 20% of the officers in the above listing have not previously held IUFRO offices. The officers come from 33 countries, including 15 developing countries or emerging market countries. The breakdown of offices held by representatives from different countries is shown below. Several individuals hold multiple offices but have been counted only once in this listing.

Australia	3
Austria	1
Brazil	2
Canada	8
Chile	3
Czech Republic	1

People's Republic of China	1	Norway	3
Republic of Congo	1	Poland	2
Denmark	2	Romania	1
France	2	Slovak Republic	1
Finland	9	Slovenia	2
Germany	1	South Africa	1
Indonesia	2	Spain	1
India	1	Sweden	5
Italy	3	Switzerland	2
Ireland	3	Tanzania	1
Japan	5	Turkey	1
Latvia	1	USA	11
Malaysia	4		
Netherlands	1		
New Zealand	2		

*Dennis Dykstra,
Coordinator, Div 3*

DIVISION 4 - INVENTORY, GROWTH, YIELD, QUANTITATIVE AND MANAGEMENT SCIENCES

Coordinator: Klaus v. Gadow
Deputy Coordinators: Victor K. Teplyakov
Harold E. Burkhart

Meetings

4.02.00
Co-sponsor of IFF/UNEP meeting on Low Forest Cover.
New York (Gyde Lund)
2 Feb 2000

4.02.00
Designing multipurpose resource inventories - An international short course. CATIE, Turrialba, Costa Rica. (Miguel Caballero Deloya, Gyde Lund)
21-25 Feb 2000

4.00.00
Co-sponsor of Statistical Methods and Models Applied to Natural Forests Valdivia, organized by Chile Fondef Project, INFOR, Universidad Austral de Chile
Apr 5-7

4.13.00/4.04.02
Information management in the forest enterprise. Munich, Germany (Hans A. Joebstl, Maurizio Merlo, Martin Moog, fwl@forst.uni-muenchen.de)
6 - 8 Apr 2000

4.04.07
Working Party Meeting, Bozen, Italy (O. Griess)
May 17-21

4.00.00
Co-sponsor of Models for the Sustainable Management of Temperate Plantation Forests, Bordeaux, France, organized by the Institut Européen de la Forêt Cultivée, INRA Bordeaux-Aquitaine, EUROSILVASUR, EFI, GIP-Ecofor
Sep 7-9

4.11.03
9th Workshop on Artificial Intelligence and Related Topics Madison, Wisconsin, USA (Daniel Schmoltdt)
Aug 14-16 (Originally scheduled for Sep. 1999)

4.01.09
Forest Ecosystem Restoration. Vienna, Austria. (Hubert Hasenauer, Hubert Sterba, Monika Picha-Kiessling)
10 - 12 Apr 2000

XXI IUFRO Congress Kuala Lumpur, Malaysia 7 – 12 August 2000

4.01.00/4.02.00/1.07.00
Using growth models for better forest management in the tropics. (J. P. Skovsgaard; J. Vanclay), Malaysia

4.01.03
Planning of long-term observations. (A. Thomson; A. Zingg; M. Köhl)

4.01.04
Using models for forest growth and stand dynamics to evaluate sustainability (I+II). (M. Tome), Malaysia

4.01.08

Environmental effects on forest growth and stand dynamics. (H. Spiecker), Malaysia

4.02.00/4.02.01

Forest resources assessment 2000. (R. Päivinen; R. Davis), Malaysia

4.02.01

Forest products collection and sustainable forest management (I+II). (M. Ellatif), Malaysia

4.02.03/4.02.06

Update calibration and enhancement of forest inventories through the inclusion of remotely sensed data (I+II). (St. Magnussen; C. Brack), Malaysia

4.02.05

Remote sensing and forest monitoring. (T. Zawila Niedziecki), Malaysia

4.02.07

Scenario approaches, models and assumptions behind the forestry analysis used in regional, national and global policy making. (T. Nuutinen), Malaysia

4.04.00

Advances in combining productivity and sustainability in forest management (I+II) (L. Valsta), Malaysia

4.04.02/4.13.00

Sustainable forest management under conditions of growing global pressure (H. Jöbstl; M. Merlo), Malaysia

4.11.00/4.02.01

Design of small and large scale multipurpose forest inventories (C. Kleinn; G. Lund), Malaysia

4.12.00

Integration of GIS and remote sensing for assessment of forests and landscapes (I+II), (B. Koch), Malaysia

4.00.00

Business meeting (Rodolphe Schläpfer Malaysia. 11 Aug 2000

4.02.00

Business meeting (Gyde Lund; Risto Päivinen) Malaysia. 8 Aug 2000

4.04.00

Business meeting (John Innes) Malaysia. 8 Aug 2000

A5 Sub-Plenary Session (Klaus von Gadow; John Youngquist) Malaysia. 9 Aug 2000

Publications

Zawila-Niedzwiecki, T. ed. 2000: Remote sensing and forest monitoring. Proc. IUFRO unit 4.02.05. Warsaw, Poland. Institute of Geodesy and Cartography: 101 p.

Jöbstl, H., Merlo, M. and Moog, M., 2000: Information Management in Forest Enterprises. Proc. IUFRO units 4.13.00/4.04.02: 128 p.

G.J. Nabuurs, T. Nuutinen, H. Bartelink and M. Korhonen (editors): Forest Scenario Modelling for Ecosystem Management at Landscape Level. Proceedings of the International Seminar and Summer School, Wageningen, the Netherlands, 26 June - 3 July 1997. ISBN 952-9844-40-9. 382 p.

Silva Fennica 34(2): Special issue on Forestry Scenario Modelling in Risk Analysis and Management

IUFRO 4.02, 4.11, 4.12 Newsletters - published in April and October each year since 1995.

*Klaus von Gadow,
Coordinator, Div 4*

DIVISION 5 - FOREST PRODUCTS

Coordinator:

John A Youngquist

Deputy Coordinators:

Cathy H H Wang

András Winkler

Christian G Sales

divisional structure for the next IUFRO term from 2001 through 2005, and obtaining continuing or new commitments from people to serve as D5 officers for the new IUFRO term were major activities that were completed in the year 2000.

Introduction

The year 2000 was an extremely busy year for Division 5 (D5). Organization of the D5 technical program for the XXI World Congress, developing a somewhat re-organized

XXI World Congress

This meeting produced even more evidence that forests are being squeezed between the growing needs of people

and a shrinking resource base. Per capita demand for forest products has been increasing steadily at the same time that population has been increasing exponentially and overall quality of the resource has been declining. The pressure being placed on the resource also pushes technological developments to help divert those pressures. The trend to more efficiently use resources has accelerated to meet today's challenges. Key areas for utilization research and development for Division 5 include learning how to use the changing resource of materials in the forest, extending the resource, and implementing environmentally and socially friendly technologies wherever possible. Discussions were held on research progress, research needs and concerns to improve the sustainable utilization of the forest resource, and agreements were developed to further collaborative action to carry forward key ideas and themes that were developed at the meeting. The XXI IUFRO World Congress carried forward key thrusts developed by the many Division 5 meetings and collaborative efforts held between 1996 and 2000. A total of 97 oral papers and 271 posters were presented.

Using wood in a manner to sustain its supply in an integrated forest ecosystem requires knowledge of wood quality and factors that affect it. Oral and poster presentations dealt with variations in wood quality, biological improvement of wood properties, and wood properties desired by end-users (5.01). Quality evaluation in engineered wood, essential to its effective use, is increasingly based on non-destructive approaches, discussed in oral presentations and posters (5.02). Recent developments in maintaining wood quality by protecting it against fire and destructive organisms were presented and discussed by the participants (5.03). Features of modern wood processing to produce quality products from a diverse wood resource were the subject of discussion and debate (5.04). With the attention being given to composites of wood and of wood with non-wood products, discussions of new advances in composite and reconstituted products were broadly based and diversified (5.05). The strong interest in sustaining forests of the developing world while also improving economic and social conditions for the peoples of those nations led to many discussions of improving knowledge, understanding, and utilization of tropical woods. Out of these sessions emerged proposals for follow-up on subjects of special concern (5.06).

The role of wood as a major energy source was discussed by persons from several parts of the world (5.07). The bamboos and rattans and their related species are primary resources for structural and raw material use in many parts of the world, a point that was elaborated and understanding advanced in many effective papers and posters (5.08). Strong interest in the ability to learn much about effects on tree growth of major events affecting the forest over years past, as well as improved understanding of tree growth itself, was reflected in particularly well attended

sessions on tree ring analysis (5.09). The increasing recognition of forest products marketing as a key element in the economical use of the forest resource was demonstrated in discussions of marketing as it relates to the overall sustainability of the resource and research to improve marketing techniques and analyses (5.10). The non-wood products that are the essentials of life in many parts of the world were dealt with broadly and in depth (5.11). New to this Conference, and in line with its theme, were several discussions of the role of utilization in sustaining forest source. This subject added a perspective that will be given increased attention as the importance of this aspect of forestry becomes increasingly apparent (5.12).

Each D5 Research Group and Working Party held technical sessions and business meetings. Plans for future collaborative research and new leadership directions for the next IUFRO term were developed.

Scientific posters were emphasized at this Congress, thus providing the capability to accommodate many more research topics and the ability for scientists to interface directly with others interested in similar fields. Judging the "Best Poster" for Division 5 was extremely difficult because of the large number of excellent presentations that were made. All 271 posters for D5 were evaluated by a number of criteria including visual impact, scientific value and the originality of the research being presented. Within each of these categories, a number of additional evaluation criteria were used. A team of people with expertise in the forest products field evaluated each technical presentation. Drs. Tord Magnusson and Bjorn Hanell of the Swedish University of Agricultural Sciences, Department of Silviculture, Umea, Sweden were the authors of the D5 winning poster entitled "Pelleted Municipal Sludge - A Key Element in Future Resource Cycling and Sustainable Forest Management".

Division 5 Meetings and Publications

In addition to technical meetings and publications resulting from the XXI IUFRO Congress, D5 Research Groups and/or Working Parties held 6 sponsored meetings and produced a total of 10 IUFRO publications between January 1, 1996 and July 10, 2000.

Division 5 Collaboration Outside of Meetings

Substantial collaboration has occurred during the past year among members of the "Teak Task Force" and the "Eucalypt Task Force". Both of these Working Parties are extremely active and have developed a number of inter-linking and collaborative research projects.

Division 5 Research Group Re-structuring

Plans have been developed to re-structure and re-focus Research Group (RG) 5.02, Timber Engineering, Research Group 5.04, Wood Processing, Research Group 5.11, Non-wood Forest Products, and to add a new Research Group tentatively titled "Forest Products Logistics".

- Research Group 5.02.00 – This will be tentatively re-named "Basic Engineering Properties of Wood", and will have a scope of work as follows:
"Basic and applied research findings on the physical, mechanical, engineering, and interrelated properties that affect the utilization of solid wood, wood laminates, and wood-based materials, including structural and non-structural composites"
This scope of work is generally descriptive of recent activity in 5.02 and fills a niche uniquely suited to IUFRO in the global array of international engineering societies and institutes.
- Research Group 5.04.00 – Plans call for eliminating Working Party 5.04.10, Production Systematics and fold the efforts of this unit into Working Party 5.04.13, Industrial Engineering and Operations.
- Research Group 5.11.00 – The name will remain "Non-Wood Forest Products". Two Working Parties will tentatively be formed as follows:
 - 5.11.02 – Medicinal Plants
 - 5.11.03 – Edible Forest ProductsThe Working Party now titled "Mushrooms Growing in the Forest" will be folded into 5.11.03.

A new Research Group on Forest Products Logistics will be proposed to the new IUFRO Executive Board. The unit will focus on research that contributes to the understanding or management of logistics issues relevant to forest products of all types. The unit is intended to support and to initiate; 1) creative, original thinking 2) the dissemination of research results and information in this field, 3) the exchange of knowledge and ideas, 4) networking and research cooperation, and 5) joint projects that involve two or more IUFRO Research Groups or Divisions.

Division 5 on the IUFRO Web

Almost all D5 units have a presence on the Web, and some of them have developed extensive web site information. Ms. Brigitte Cabantous, of Cirad in Montpellier, France, is due a special note of thanks for her dedicated work on the Division 5 web during the past year.

Division 5 Mid-term Conference – March, 2003

Plans have now been finalized, and the next D5 Mid-term Conference will be held in Rotorua, New Zealand in March of 2003. The specific days of the Conference will be established in the near future. The Conference itself will be 5 days in length including a one-half day in-conference tour. Post Conference tours will also be organized. The members of the Conference Organizing Committee are all members of the staff of the Forest Research Institute of New Zealand: Dr. Keith Mackie as Chair, Dr. Dave Cown, Dr. Bernard Dawson and Ms. Robyn Scherer.

*John Youngquist
Coordinator, Div 5*

DIVISION 6 - SOCIAL, ECONOMIC, INFORMATION, AND POLICY SCIENCES

Coordinator: Niels Elers Koch
Deputy Coordinators: Perry J Brown
Max Krott

received the Distinguished Service Award for his dedicated service to RG 6.01.00.

1) Introduction

The main activity of the year was the preparation of and participation in the XXI IUFRO World Congress from 7-12 August 2000 in Kuala Lumpur, Malaysia, where Division VI was responsible for a number of sessions.

Approximately 60 participants attended the Division VI Business Meeting where the next 5-year period of the Division was discussed, and where Dr. Ulrich Ammer

1.1 A new Research Group about "Gender and Forestry" in Division 6 (RG 6.18.00)

Proposer: *Ann Merete Furuberg Gjedtjernet.*

Objectives: To develop and disseminate knowledge of how management and use of forest resources affect and are affected by gender. At a meeting at the World Congress in Kuala Lumpur the following details were worked out:

- 1) To work out an overview of what is going on in this

area not only within IUFRO but also outside IUFRO Member Organizations – in particular in rural development research;

- 2) To increase awareness of gender aspects in forestry research and to initiate international research projects;
- 3) To arrange international seminars about gender and forestry;
- 4) To cooperate with other international organizations and institutions in the work – such as FAO, ILO, CIFOR, EFI etc.; and
- 5) To build up an international network for women and forestry.

The creation of two new Working Parties was proposed:

I Gender Research in Forestry.

Dr *Gun Lidestav* outlined the reasons for such a Working Party. The WP's aim should be to develop projects in the various sub-areas. Examples of possible projects: Ownership/Rights and Legislation; Ownership/Rights and Traditions; Management and Work Organization, Legislation, Education, Tradition.

II Education and Gender in Forestry

Dr *Siegfried Lewark* explained the reasons behind the proposal for this Working Party. He mentioned three separate yet integrated areas which are apparent within the area of gender and education and have an impact on forestry: Forestry Curriculum; Gender Teaching Units and Gender Curriculum.

The meeting agreed on the formation of two Working Parties with the following names:

Working Party 6.18.01 – Gender Research in Forestry

Working Party 6.18.02 – Education, Gender and Forestry

The following nominations for officeholders were proposed and agreed upon:

Research Group 6.18.00

Leader: *Ann Merete Furuberg Gjedtjernet*, Norway

Deputy Leader: *Elizabeth Ardayfio-Schandorf*, Ghana

Deputy Leader: *Diana Mizaraite*, Lithuania

Working Party 6.18.01

Chair: *Gun Lidestav*, Sweden

Co-chair: *Carol J. Pierce Colfer*, Indonesia

Co-chair: *Janet Chaseling*, Australia

Working Party 6.18.02

Chair: *Siegfried Lewark*, Germany

Co-chair: *Jane Kiragu*, Kenya

Co-chair: *Marion Karmann*, Switzerland

1.2 New Research Group on “Ethnforestry” in Division 6 (RG 6.19.00)

Proposer: *Deep Narayan Pandey*.

The Research Group has its origin in INEF (The International Network on Ethnforestry) which was established in 1999 at the Indian Institute of Forest Management, Bhopal, India. The main research-related purposes are: 1) Research related to promoting the Equity of Knowledge between indigenous communities and formal forestry scientists across the globe; 2) Indigenous knowledge on forest management, including indigenous technologies, indigenous strategies, indigenous institutions; and 3) Retrieval, transmission, integration and field application of ethnforestry. INEF has recently placed the document *Ethnforestry: An Annotated Bibliography* that can be accessed at the website: <http://www.inef.org/>.

Leader: Prof. *Deep Narayan Pandey*, India

Deputy Leader: Dr. *Mark Poffenberger*, USA

Deputy Leader: Mr. *Cor Veer*, Thailand

2 Report of Activities - Publications

2.1 4th Extension Working Party Symposium:

Working under a Dynamic Framework - Forest Ownership Structures and Extension. October 4-8, Bled, Slovenia.

Published by IUFRO Research Group 6.06.03. *Jurij Begus, Jon Anderson and Roland L. Beck*

2.2 News of Forest History No. 29, 2000:

Forstgeschichte in Polen (Forest History in Poland)

Published by IUFRO Research Group 6.07.00. *Elisabeth Johann*

2.3 University of Aberdeen:

Proceedings from the August 1999 Working Party Symposium: “New Opportunities for Forest-Related Rural Development”

Published by IUFRO Working Party 6.11.02. *Bill Slee / Irene Wilson* (e-mail: rwwslw@abdn.ac.uk)

2.4 Institut für Forstpolitik, Freiburg:

Pre-Proceedings of the Working Party 6.12.03 “Integrated Land Use and Forest Policies”. XXI IUFRO World Congress. Published by IUFRO Working Party 6.12.03.

Hans Essmann and Stefanie Linser

2.5 Schmithüsen, F.; Herbst, P. & Le Master, D.C. (eds.) 2000:

Forging a New Framework for Sustainable Forestry: Recent Developments in European Forest Law.

IUFRO World Series Volume 10.

Published by IUFRO Research Group 6.13.00. *Franz Schmithüsen*

Division VI on the IUFRO Net

The following table gives the status of the Division's units at the IUFRO net. A strong effort has been done by *Alois Kempf* to achieve a comprehensive presentation.

IUFRO Unit	About IUFRO Unit	Activities and events	Publications and references	Newsletters	Fields of interest	State-of-knowledge reports	Links
6.00.00	X	X	X	X			X
6.01.00	X			X			
6.01.02	X	X					
6.01.04	X						
6.01.05							
6.01.06	X		X				
6.03.00	X	X	X	X			X
6.03.01							
6.03.02	X	X					X
6.03.03			X				
6.03.04	X	X	X	X			X
6.06.00		X					
6.06.02	X						
6.06.03	X	X	X	X			
6.06.04	X	X					
6.07.00	X	X	X	X			X
6.07.01							
6.07.02	X	X	X				
6.07.04							
6.07.05							
6.11.00	X						
6.11.01							
6.11.02	X	X	X	X			
6.11.04	X						
6.11.06							
6.11.07	X						
6.12.00							
6.12.01		X					
6.12.02							
6.12.03	X	X	X				
6.13.00	X	X	X				
6.14.00	X	X	X				X
6.15.00	X	X		X			
6.16.00	X	X	X				
6.17.00							

2.6 Schmithüsen, F.; Iselin, G. & Herbst, P. 2000:
 Proceedings of the 2nd Int'l Symposium on Challenges in Implementing Forest and Environmental Legislation in European Countries in Transition, Austria Sept. 1999.
 Published by Forstwissenschaftliche Beiträge der Professur Forstpolitik und Forstökonomie, No. 23, ETH Zürich
 Published by IUFRO Research Group 6.13.00.

3) Report of Activities - Meetings held

3.1 3rd European Forum on Urban Forestry (EFUF),
 at the Pilisi Park Forest Ltd, Gyarmatpuszta/Budapest,

Hungary from 9-12 May 2000. Arranged by the European Forum on Urban Forestry and IUFRO Research Group Party 6.14.00.

The main theme of the meeting was 'Paying for urban forests'. Thirty urban foresters from Austria, Belgium, Denmark, Finland, France, Hungary, Israel, Italy, the Netherlands, Norway, Slovakia, Slovenia, and the United Kingdom participated. In total, about 20 papers were presented.

An opening session and three workshop sessions were held. The themes of the workshop sessions were:

1) Valuing and marketing of urban forest goods and services;

- 2) Exploring different funding sources for urban forestry;
- 3) Urban forest management in a changing society.

Two field trips were organized to the urban forests of Budapest, and to recreation forests near Visegrad, ca. 30 km from Budapest. The field trips gave a good impression of the challenges the Pilisi Park Forest is dealing with, not only in terms of financing the extensive recreational infrastructure in its forests.

The Forum will continue with a small group of participants to maintain the highly interactive character. Focus will remain on periurban and urban woodlands, as one of the key components of urban forestry at large, next to, for example, street trees and parks. The next meeting will be in Great Britain. The English Great North and Tees Community Forests have offered to host the 4th EFUF. For further information, please contact *Dr. Cecil C. Konijnendijk*, Danish Forest and Landscape Research Institute, Hoersholm Kongevej 11, DK-2970 Hoersholm, Denmark. Tel.: +45 45 76 32 00, Fax: +45 45 76 32 33, E-mail: cck@fsl.dk

3.2 The 1st International Symposium on National Recreation Surveys

was held in Knoxville, Tennessee, USA, September 10-15, 2000. It was initiated by Ken Cordell and Tuija Sievänen, RG 6.01, and organized by Gary Green and others in USDA Forest Service, Athens Georgia. The symposium collected about twenty participants from Australia, Canada, Denmark, Finland, Sweden, the Netherlands, and USA.

Discussions on the different approaches and how problems to measure recreational behaviour, and recreational use of natural resources have been solved in different countries, took place on the basis of presentations from the participants. One of the most important findings of the symposium was that there are a variety of solutions. This important conclusion raised the question - will it be possible to find some common ground to measure recreation on population level in order to provide comparable data sets for international studies? It was agreed upon that there is need for comparative cross-cultural studies. Recreation and nature-based tourism is a global phenomenon, and there is a great need for international predictions of recreation, and for providing background for recreation planning on local level as well as on international level. There are several issues that need to be harmonized for better comparable studies: e.g. year of reference, reference period of measurement, participation rates, age limit of sample, activities covered, time frequency, background variables.

During the symposium ideas were developed on how to continue the exchange of information and experiences regarding national recreation surveys. A 2nd meeting in two years time will be planned (e.g. together with other events, like in the context of the All Division 6 Chile conference in 2002 and/or in cooperation with WLRA - World Leisure and Recreation Association). In Europe,

as a result of the symposium discussions, Denmark, Finland, Sweden and the Netherlands will start to work on nature-based tourism data search this year.

For further information, please contact:
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E-mail: tuija.sievanen@metla.fi

3.3 Other meetings held in 2000

6.06.03 Extension together with 1.17.02; 4.01.09; 7.01.00; 8.01.00; University of Agricultural Sciences, Vienna
Time: Apr 10-12
Venue: Vienna, Austria
Forest Ecosystem Restoration
Contact: Hubert Hasenauer,
E-mail: hasenau@edv1.boku.ac.at

IUFRO D6
Time: Aug 7-12
Venue: Kuala Lumpur, Malaysia
XXI IUFRO World Congress
See special Division 6 Group Session Conference Programme.

6.01.00 Forest Recreation, Landscape and Nature Conservation and others
Time: 20-22 September
Venue: Belém, Pará, Brazil
New Approaches to Integrated Management of Primary and Secondary Forests for the 21st Century
Contact: Natilino Silva, Brazilian Agricultural Research Corporation, CP 48, CEP 66240, Belém, Pará BRAZIL,
Tel: + 55-91-226-6622, Fax: +55-91-226-9845;
E-mail: natalino@cpaty.embrapa.br
Natalino@amazon.com.br

Niels Elers Koch
Coordinator, Division 6

DIVISION 7 - FOREST HEALTH

Coordinator: David F Karnosky
Deputy Coordinators: Bo E Långström
Kazuo Suzuki
Manfred Tesche

Deputy Coordinator:
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e-mail: jms34@psu.edu

Changes in Division 7 Research Units

7.02.00

Coordinator:
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Tree Pathology Cooperative Programme (TPCP)
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7.03.08

Deputy Coordinators:
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Dr. Z.Q. Yang

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7.04.00

Coordinator:
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7.04.01

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Division 7 Research Group Activities: Meetings Held

7.01.00, 1.17.02, 4.01.09, 6.06.03. "Forest Ecosystem Restoration" Vienna, Austria, April 10-12, 2000.

7.04.00 "Impacts of Air Pollution and Climate Change in Forests – 19th International Meeting for Specialists in Air Pollution Effects on Forest Ecosystems". Houghton, Michigan, USA May 28-31, 2000.

7.03.08 "Forest Protection in Northeast Asia" Chiayi, China Taipei. July 31 - August 4, 2000.

7.00.00 "Impact of Forest Pests and Air Pollution on Forest Sustainability" - XXI IUFRO - World Congress, Kuala Lumpur, Malaysia. August 7-12, 2000.

7.01.02 “Mechanisms of Tree Resistance to Phytophagous Insects” - XXI IUFRO - World Congress, Kuala Lumpur, Malaysia. August 7-12, 2000.

7.02.07 “Impacts of Diseases on the Sustainability of Tropical Forests” - XXI IUFRO - World Congress, Kuala Lumpur, Malaysia. August 7-12, 2000.

7.02.10 “Global Spread and Epidemic Factors of Pine Wilt” - XXI IUFRO - World Congress, Kuala Lumpur, Malaysia. August 7-12, 2000.

7.03.00 “Recent Developments in the Management of Major Tropical Forest Insect Pests” - XXI IUFRO - World Congress, Kuala Lumpur, Malaysia. August 7-12, 2000.

7.03.03 “Insect Pest Problems in Replanted Forests” - XXI IUFRO - World Congress, Kuala Lumpur, Malaysia. August 7-12, 2000.

7.03.07 “Biological Invasion of Forest Insect Pests - Agents of Global Change” - XXI IUFRO - World Congress, Kuala Lumpur, Malaysia. August 7-12, 2000.

7.04.00 “Air Pollution Impacts on Forest Ecosystems” - XXI IUFRO - World Congress, Kuala Lumpur, Malaysia. August 7-12, 2000.

7.01.02 “Two Conferences as Part of the XXI International Entomology Congress” - XXI IUFRO - World Congress, Kuala Lumpur, Malaysia. August 7-12, 2000.

7.03.10 “Methodology of Forest Insect and Disease Survey in Central Europe” - XXI IUFRO - World Congress, Kuala Lumpur, Malaysia. August 7-12, 2000.

7.01.02 Resistance to Insects, Aug 24, Iguassu Falls, Brazil, Two conferences as part of the XXI Int’l Entomology Congress

7.03.10 Methodology of forest insect and disease survey, Sep 24-28, Busteni, Romania. Methodology of Forest Insect and Disease Survey in Central Europe

Publications

Karnosky, D.F., K. Percy, M. Ferretti, J. Skelly, J. Bucher, E. Paoletti, A. Bytnerowica, W. Prus-Glowacki, G. Mueller-Starck, V. Sramek, G. Hendrey. 2000. Air Pollution, Global Change and Forests in the New Millennium. The 19th International Meeting for Specialists in Air Pollution Effects on Forest Ecosystems. May 28-31, 2000. Houghton, Michigan. 96 pp.

Müller-Starck, B. Degen, H. Hattermer, D. Karnosky, A. Kremer, L. Paule, K. Percy, F. Scholz, X. Shen, G. Vendramin. 2000. Genetic response of forest systems to changing environmental conditions - analysis and management. Forest Genetics Vol. 7, No. 3, pp. 247-254.

Suzuki, K. 1999. Sustainability of Pine Forests in Relation to Pine Wilt and Decline. Nakanishi Printing Co., Tokyo, Japan. 336 pp.

*David F Karnosky,
Coordinator, Div 7*

DIVISION 8 - FOREST ENVIRONMENT

Coordinator: Kyoji Sassa
Deputy Coordinators: Kamis Awang
Timothy Boyle
Alain Franc

Introduction

Division 8 was decided to be established in 1995 at the IUFRO Congress in Tampere, Finland, and started its activities in 1996 under the leadership of Kyoji Sassa, Kamis Awang, Timothy Boyle and Alain Franc. The Division organized the first all-Division Meeting on “**Environmental Forest Science**” in Kyoto, 1998. The papers presented at that conference were published as “Environmental Forest

Science”, Forest Science Series, Volume 54, Kluwer Academic Publishers, and the participants adopted the “1998 IUFRO Kyoto Appeal: “Environmental Forest Science For Sustainable Development”. The second all-Division Meeting was organized during the XXI IUFRO World Congress in 2000. Participants discussed the future activities and the framework for the 21st century. Consequently, many changes were decided (see below). The second term of Division 8 will be dedicated to developing Environmental Forest Science under the new leadership of Coordinator Alain Franc, and Deputy Coordinators James Boyle, Albert Goettle, and Rahim Nik.

Division 8 Meeting at the XXI IUFRO World Congress

Division 8 organized 2 Sub-Plenary Sessions (A1: Water and Forests, 8.03 Forest Hydrology; and A2: Fire and Forests, 8.05 Forest Fire Research), 18 Group Sessions, 1 Panel discussion, 5 satellite meetings (evening), and a one-week satellite conference and workshop before the Congress. 85 oral papers and 118 poster papers were presented. In the satellite conference and workshop on "Forests – Water – People in the Humid Tropics: Past, Present and Future Hydrological Research for Integrated Land and Water Management" that was held in cooperation with UNESCO's International Hydrological Programme (IHP), Director-General Koichiro Matsuura of UNESCO addressed the audience in the closing session.

Meetings in 2000

Mar 13-16, Tucson, Arizona, USA.

Conference on Land Stewardship in the 21st Century: The Contributions of Watershed Management

Apr 2-7, St. Anton, Austria.

The Determination of Avalanche Dangers - Hazard Mapping in Avalanching Areas - Workshop

Apr 10-12, Vienna, Austria.

Forest Ecosystem Restoration

May 13-16, Zidlochovice, Czech Republic

International Symposium on Management of Floodplain Forests in Southern Moravia

July 30 – Aug 4, Bangi, Malaysia.

Pre-Congress Symposium & Workshop " Forests-Water-People in the Humid Tropics: Past, Present and Future Hydrological Research for Integrated Land and Water Management

Aug 15 – 21, Chengdu, China

International Conference on Forest Ecosystems-Ecology, Conservation and Sustainable Management

Sep 11, Toulouse, France

IUFRO-FAO/EFC Joint Meeting on the Topic Landscape Management-Natural Disasters

Sep 12-16 , Toulouse, France, 22nd session of the EFC Working Party on the Management of Mountain Watersheds

Changes in the Structure and Officers in Division 8

Division 8 organized an all-D8 business meeting on 9 August, and an all-D8 Research Group Coordinators meeting on 11 August. Based on the discussions there, the following two new Working Parties were set up.

8.02.06 Benchmarks for biodiversity at landscape level

C ANGELSTAM, Per (Sweden), New

D GRAMTSEV, Andrei (Russia), New

D MIKUSINSKI, Gregorz (Poland), New

8.04.06 Disaster management

C GÖTTLE, Albert (Germany), together with 8.00.00 (D)

D FIEBIGER, Gernot (Austria), together with 8.04.00 (C)

D KAMAI, Toshitaka (Japan), New

In the Division 8 Business meeting, the following changes of structure and officers were decided to be submitted for approval to the EB.

1) Termination of Working Parties

8.06.02 Wildlife management

8.06.03 Human influences on wildlife

2) Change of Research Group name and nomination of Coordinators

8.06.00 Wildlife conservation and management (old name: Wildlife and its habitats)

C MATHUR, Vinod B.(India) , New

D LARSSON, Tor-Bjorn (Norway), from 8.06.00 (D)

D SCHWENK, Sigrid (Germany), from 8.06.03 (C)

3) Change of Working Party names and nomination of Coordinators

8.04.01 Torrent and erosion control

(old name: Torrent erosion and control)

C Loipersberger, Anton (Germany), New

D to be nominated

8.04.03 Landslides and debris flows

(old name: Landslides and stabilization)

C SASSA, Kyoji (Japan) from 8.00.00 (C)

D OCHIAI, Hirotaaka (Japan), New

D SHOAEI, Zieaoddin (Iran), New

8.04.04 Watershed management and land-use planning

(old name: Watershed management)

C PEGLISI, Salvatore (Italy), New

D CELIK, Huesin E. (Turkey), New

D SCHEURINGER, Erich R. (Austria), from 8.04.05 (D)

8.04.05 Hazard assessment and disaster documentation

(old name: Hazard mapping)

C FUKUOKA, Hiroshi (Japan), from 8.04.03 (D)

D CARRENO, Raul (Peru), New

D DEINDL, Karl (Germany), New

4) Nomination of Research Group Coordinators and Deputy Coordinators

8.02.00 Site

D SMITH, Tattersall (USA), from 8.02.02 (C)

8.03.00 Forest hydrology

C SIDLE, Roy (Singapore), from 8.03.00 (D)

D NIK, Rahim A. (Malaysia), also 8.00.00 (D)

8.04.00 Natural disasters

C FIEBIGER, Gernot (Austria), from 8.04.01 (C)
D FUKUOKA, Hiroshi (Japan), from 8.04.03 (D)
(link with IGCP)
D MARUI, Hideaki (Japan), in together with 8.04.03 (C)
(link with Pacific INTERPRAEVENT)

8.07.00 Biodiversity

D MOSSELER, Alex (Canada), New

5) Nomination of Working Party Coordinators and Deputy Coordinators

8.04.02 Snow and avalanches

C SCHAFFHAUSER, Horst, from 8.04.02 (D)
D FREY, Werner (Switzerland), from 8.04.02 (C)
D NOGUCHI, Yasuaki (Japan), New

Other

With the co-sponsorship of IUFRO Division 8 and Working Party 8.04.03 (Landslides and Debris Flows), a UNESCO/IGCP Symposium on Landslide Risk Mitigation and Protection of Cultural and Natural Heritage was organized at the Science Council of Japan, Tokyo. At the meeting, participants from UNESCO, IUGS (International Union of Geological Sciences), ICOMOS (International Council of Monuments and Sites) as well as IUFRO agreed to create a new International Consortium on Landslides including intergovernmental, governmental and non-governmental bodies related to landslide mitigation and protection of natural and cultural heritage. The Executive Director and Secretariat are to be located at the Disaster Prevention Research Institute, Kyoto University. The Consortium will start in 2001 with formal approval from UNESCO.

Kyoji Sassa
Coordinator, Div 8

TASK FORCE - GLOBAL FOREST INFORMATION SERVICE

Coordinator's Report – August, 2000

Background and Impetus

The need for improved sharing of information on forests has been articulated by UNCED, IPF, IFF, etc., and is broadly recognized by all stakeholders in the forestry community. In order to help address this need, in September 1998, IUFRO convened a consortium of international, regional and national organizations, functioning as a IUFRO Task Force, for the purpose of developing a strategy for, and implementing, an Internet-based metadata service to provide coordinated world-wide access to forest-related information. The mission of the envisioned Global Forest Information Service (GFIS) is to enhance access to and provision of quality forest-related information, especially that available through electronic media. The GFIS and IUFRO's leadership role in its implementation received endorsement by the IFF4 in January 2000. It is evident that the activities embraced by the GFIS mission form a relevant and substantial element of IUFRO activities in the modern knowledge society. The political tailwind from the IPF, the donor interest for specific GFIS projects (e.g., European Commission), and the great deal of interest it has generated among the scientific community confirm that we have indeed embarked on an important venture. IUFRO, as host organization of GFIS, should view this interest as a great opportunity to serve the world forestry community.

Current Status

• Task Force Participation

The GFIS Task Force (TF) has met three times (Geneva, Oxford, Vienna) and again during the IUFRO World Congress. Since the last TF meeting in January 2000 (Vienna), Mohamed Ibrahim (University of Greenwich, UK) and Erich Schaitza (Embrapa, Brazil), Steven Johnson (ITTO, Japan), Juergen Blaser (World Bank), and Lars Lestadius (World Resources Institute, USA) have been invited to participate in the TF. One member, John Mayhew (WCMC, UK) resigned, and Tim Richards has moved from JRC to WCMC. There is a need to obtain the participation of additional people from Africa, Asia and Latin America.

• Prototype

A prototype of the GFIS Information Server was created at the Joint Research Centre of the European Commission using GIST (Generic Information Server Toolkit). The prototype includes some metadata from some organizations (e.g., CABI, EFI) which will be used to demonstrate some possible search protocols. The prototype will be demonstrated at the IUFRO World Congress, and feedback from users will be utilized to modify the server before it is made generally available on the Internet.

- **Collection Policy**

A collection policy is under development, and this will specify the standards to be used when contributing information to the GFIS, e.g., subject coverage, target audience, types of resources to be included, submission procedures, quality assessment, metadata standards, and maintenance arrangements. The TF recommends that the Dublin Core be used as the metadata standard for the GFIS. The UN-ECE/FAO team of specialists for Temperate and Boreal Forest Resources Assessment (TBFRA) agreed to participate in the elaboration of a metadata standard/structure, utilizing Dublin Core, for forest resource information in order to help the GFIS.

- **Projects**

- **GFIS-Africa Project**

The EC-funded GFIS-Africa Project, a GFIS 'Core Project', is underway. This 3-year project aims to establish 5 GFIS nodes in Africa (Ghana, Senegal, Zimbabwe, Kenya, and possibly Madagascar). Two project staff will be located at FAO (Rome) to develop the GFIS interfaces and to provide training to personnel at the nodes with respect to hardware/software use, GFIS standards, and information management and dissemination. Each node will be provided with equipment, training, salary for an information specialist and operational costs. An organizational meeting is scheduled for October at the node in Senegal.

- **US Adaptive Management Area's Information Portal**

With support and participation from the US National Science Foundation, the US Forest Service and the US National Park Service the goal of this project is to develop a federated information gateway for 10 disparate forest and biodiversity research sites (Adaptive Management Areas) of the US Pacific Northwest. Particular emphasis is placed on developing a user-driven system that meets the information needs and resources (human, financial, equipment) of the 10 AMA's while being compatible with other information initiatives such as GFIS.

- **GFIS at the IUFRO Congress**

The GFIS was visible at the IUFRO World Congress. In addition to having the prototype demonstration available throughout the Congress, a technical presentation (4 papers) was scheduled for August 9, a GFIS Business meeting and prototype demonstration took place on August 11, a scientific poster was displayed, and a brochure describing GFIS was distributed to every participant.

Future Activities

- **Technical Solutions**

Based on feedback concerning GFIS and the prototype anticipated from the Congress participants, discussions by the TF on emerging standards (e.g., Extensible Mark-

up Language – XML), and consultation with other bodies embarking on similar initiatives (e.g., Consultation on Agricultural Information Management), the GFIS Information Server will be appropriately adjusted before made generally accessible on the Web.

- **Collection Policy and Standards**

Following forthcoming discussions of the TF the Collection Policy will be refined as necessary. In particular, settlement on keywords and standardized description protocols for thematic data are needed in the near future to provide guidance to the GFIS-Africa project.

- **Data Provision**

As the early inclusion of a good quantity of quality information is necessary to show the value of GFIS to information seekers and providers and to encourage broader participation in the GFIS, organizations represented on the TF, and nodes being created under GFIS Project funding, have been asked to consider which data they will make available within the next year through submission of metadata and linkages to GFIS. It is critical that the values of GFIS be visible, real and convincing early in its life in order to secure a good reputation as a useful product. All partners must cooperate and work quickly towards that goal.

- **New projects**

A proposal is being prepared for submission to the World Bank InfoDev Programme to request funds to establish 3 GFIS nodes in Latin America (Brazil-Embrapa, Colombia-CONIF, and Chile-CONAF). The EU-Regulation on European Forest Information and Communication System offers possibilities to materialize GFIS ideas at the European level.

Sustainability of GFIS

The present working model for GFIS, based on voluntary contributions from partner organizations and *ad hoc* project funding, is not sustainable. Continuation of this arrangement will lead to the situation where the basic activities cannot be managed and funded properly. The basic activities are the TF meetings and GFIS maintenance work required between the meetings, such as maintaining the website (information server), troubleshooting, guiding data providers to contribute metadata to GFIS, updating the user and provider registries, checking links to ensure that they work, helping refine the metadata standardization, etc. The maintenance work would require an information technologist (cost: USD 30,000 per year).

TF meetings are also a considerable expense. The home institutions or other supporters of the TF members have found it beneficial to send their members to the meetings. Efforts are made to schedule TF meetings to take advantage of other meetings where TF members attend, but this is

not always possible. In some cases, however, provision of in-kind financing to send participants to TF meetings is increasingly seen as a burden to the institute or individual. IUFRO cannot rely on this amount of goodwill to continue indefinitely. The estimated number of meetings per year is 1-2, and the cost per meeting is USD 20,000-25,000.

Clearly, in order for GFIS to be sustainable it is necessary to secure dedicated funding for maintenance activities and TF meetings. As the host organization, IUFRO should consider activities to find a donor to support basic functions of GFIS. Firstly, in light of the initial interest expressed by the Austrian Government in supporting information activities of IUFRO, it may be timely to formally request support from the appropriate Ministry to fund GFIS maintenance activities (person and functions). Secondly,

IUFRO should explore the possibilities of funding from the World Bank to follow up on the initial expression of interest by Mr. Juergen Blaser. A proposal to the WB could focus on core support for maintenance, meetings and capacity building.

Furthermore, IUFRO could consider the option of creating a special GFIS Programme to contribute to a long-term solution for the problem. The programme could have its own donors and dedicated staff, much like the SPDC, with the TF evolving towards the role of an Advisory Board. Such an arrangement may help secure funding as it seems that donors often like to support specific tasks rather than IUFRO generally.

Risto Päivinen
IUFRO GFIS Task Force Coordinator

TASK FORCE - FOREST SCIENCE-POLICY INTERFACE

Background

The International Consultation on Research and Information Systems in Forestry (ICRIS), held in September 1998 in Gmunden, Austria, was an intersessional activity of the Intergovernmental Forum on Forests (IFF). It was sponsored by the Governments of Austria and Indonesia, CIFOR, FAO, and IUFRO. The overall objective of ICRIS was to examine ways and means to implement research support and provide background information for international forestry initiatives. The Consultation addressed the critical theme of the interface between research and the user community with particular reference to policy formulation.

IUFRO Follow-up

In response to the recommendations of ICRIS, IUFRO decided to establish a new Task Force to strengthen the interface between forest science and forest policy at the global level. The Division VI Coordinator, Dr. Niels Elers Koch was appointed as Interim Coordinator of the Task Force in September 1998. In June 1999, Richard Guldin, United States of America, was appointed permanent Task Force Coordinator. Deputy Task Force Coordinators are Eeva Hellstrom, Finland, and Fred Kruger, Union of South Africa. Since its inception, the Task Force has cosponsored five programmes. More are being planned.

IUFRO Division VI All-Division Conference: Contributions of Science to the Development of Forest Policies

The first ever all-Division VI conference was held in Pretoria and northeastern South Africa from 7-15 January 1999.

Approximately 80 delegates from 19 countries attended, with a particularly engaging group of delegates from 8 African countries. A document including the keynote speeches, case studies, plenary papers, and brief reports of round table discussions has been prepared and is available from Dr. Perry Brown, Deputy Coordinator of Division VI (pbrown@forestry.umd.edu).

Third Session of the Intergovernmental Forum on Forests (IFF3)

The Task Force had a Side Event on 10 May 1999, during IFF3 in Geneva, Switzerland. It was considered as the best Side Event during the IFF3 meeting. The programme consisted of four papers:

- The Forest Science-Policy Interface, by Robert Lewis, Jr., Deputy Chief for Research & Development, USDA Forest Service, and Niels Elers Koch, Director General, Danish Forest and Landscape Research Institute
- Using Scientific Uncertainty to Shape Forest Policy, by Gay A. Bradshaw, a researcher with the USDA Forest Service
- Forest Forum for Decision-Makers in Finland, by Eeva Hellstrom, a researcher with the Finnish Forest Association
- Reflection from the IFF Secretariat, by Jag Maini

The first three papers have been published as IUFRO Occasional Paper No. 13 (ISSN 1024-414X). Copies are available from the IUFRO Secretariat.

Fourth Session of the Intergovernmental Forum on Forests (IFF4)

The Task Force had a Side Event on 8 February 2000, during IFF4 at the United Nations Headquarters in New York City. The program was entitled, "The Impact of Research on Sustainable Forest Management Policies: A Follow-up to ICRIS," and consisted of three papers:

- **Science and Policy: Shared Journey to Sustainable Forest Management**, by William C. Sommers, Director of Vegetation Management and Protection Research, USDA Forest Service, Washington, DC
- **The Sustainable Forest Management Network: A Framework Supporting the Policy Interface of Government, Industry, Science, and Communities in the Boreal Forest**, by Vic Adamowicz, Program Leader of the Sustainable Forest Management Network/ Réseau sur la Gestion Durable de Forêts, University of Alberta, Canada. Coauthors included Carolyn Whittaker, Research Coordinator of the network and Daryll Hebert, a member of the network
- **Linking Research to Policies for Sustainable Forest Management: Some Thoughts from CIFOR**, by Mafa Chipeta, Deputy Director-General, Center for International Forestry Research, Bogor, Indonesia.

IUFRO World Congress

The Task Force assembled a Sub-Plenary Session and a Group Session at the World Congress. The Sub-Plenary Session was titled, "The Global Vision of Forests and Society: Interaction Between Forest Science and Forest Policy." The Group Session was titled, "Interface Between Forest Science and Policy Making."

Society of American Foresters National Convention

The Economics, Law, and Policy Working Group of the Society of American Foresters and the Task Force jointly sponsored a technical session at the 2000 National Convention of the Society on 19 November 2000. In response to the public call for papers, three case studies were selected for presentation:

- **The Reformation of National Forest Policy in the Sierra Nevada**, by Larry Ruth, University of California, Berkeley, USA
- **Science and its Role in Australian Regional Forest Agreements**, by Stuart Davey, Forests Taskforce, Department of the Prime Minister and Cabinet, Barton, Australia, and J. Hoare and K. Rumba, Department of Agriculture, Fisheries, and Forestry, Kingston, Australia
- **Putting the Ecosystem Back into Ecosystem Management: The Interior Columbia Basin Ecosystem Management Project**, by Ann Brower, University of

California, Berkeley and Kristiina Vogt, Yale University, New Haven, Connecticut, USA.

Future Activities for the 2001-2005 Quinquennium

The general approach being taken by the Task Force is to identify 40-50 case studies from around the world that describe how research results have successfully influenced forest policies. Then, expert teams will be assembled to review the case studies and identify those factors that led or contributed to the successful outcomes. The teams will search for factors that occur repeatedly in many cases, and from them develop a set of guidelines that, if followed, will increase the likelihood of success in future science-policy endeavors.

During 2001-2003, a set of three workshops are being planned to gather case studies. The first workshop will be held 30 October – 2 November 2001 at CATIE, Turrialba, Costa Rica. Other venues for second and third workshops, during the summers of 2002 and 2003, remain to be chosen. A workshop in 2004 will bring together the common themes identified at the first three workshops and attempt to synthesize or generalize a set of guidelines. Proceedings of these workshops will be prepared, and are expected to be available before the 2005 World Congress.

Because the cases of interest are often complex and contain ecological, social, cultural, political, economic, and legal aspects, the Task Force would especially welcome the participation of members from all IUFRO Divisions. Co-sponsorship of workshops by multiple Divisions, Research Groups, and Working Parties is welcomed. In addition, the Task Force will continue to co-sponsor and organize events at future international forums to bring the latest and best science to their deliberations.

Individuals interested in additional details or in joining the working group should contact the Task Force Coordinator via e-mail (rguldin@fs.fed.us)

Concluding Remarks

I gratefully acknowledge the important role that Division VI Coordinator Niels Elers Koch played in helping to get the Task Force started. Without his contribution, activities would not have been initiated as quickly nor borne fruit as early. Many thanks, Niels!

*Richard W. Guldin, Ph.D., R.P.F.
Coordinator
Task Force on Forest Science-Policy Interface*

TASK FORCE - SUSTAINABLE FOREST MANAGEMENT

Coordinator's report - July 2000

1) Meeting in Melbourne

The Task Force organized a meeting in Melbourne, Australia, in August 1998. The main activities resulting from this meeting were: (i) issuing proceedings entitled 'International Conference on Indicators for Sustainable Forest Management', compiled by David Flinn and collaborators (ii) reviewing the draft papers for publication by a commercial publisher (CABI). Contracts were signed, reviewing is under process, but it is expected that the scheduled time agenda will not be adhered to.

2) Meeting at Turrialba

The Task Force organized a meeting on 'Criteria and Indicators for Sustainable Forest management in the Neotropics', at CATIE, Turrialba, Costa Rica. The organizers were Bryan Finegan and José Arce Campos. The meeting was successful, with 80 invited participants mainly from the Neotropics. A proposal to launch a IUFRO Unit on C & I for SFM for the Neotropics was made. The necessity for linking C & I with forest planning and management tools was stressed by many participants. CATIE, with Bryan Finegan as officer, accepted, jointly with CIFOR, to be a focal point for this group.

3) Meeting in Nancy

The Task Force organized, together with GIP ECOFOR and EFI, a successful meeting on C&I for SFM in Nancy, France, March 21-25, 2000. The meeting was attended by 110 persons from 35 countries. The difficulty of harmonizing indicators between different cultural and political systems was stressed. It was proposed that IUFRO should get involved in a network of demonstration forests, such as the 'Model Forest Network' in Canada.

4) Preparation for the IUFRO Congress in Kuala Lumpur

The following sessions were organized:

- (i) Sub-plenary Session with state-of-the-art presentations
- (ii) Group Session as a panel discussion between representatives of major processes involved in intergovernmental discussions, in collaboration with FAO
- (iii) Technical session on C & I dedicated to developing countries in tropical regions
- (iv) Poster session.

5) The Future of the Task Force

The Task Force was initiated at the EEB meeting in Vienna, February 1996. It was designed as a short-lived structure, to motivate the scientific community to get involved in the process of designing scientifically relevant C&I for a better sustainable forest management. Its main activity was to organize three conferences, in order to facilitate the process of shaping a scientific community on this topic. Time has come to invest in long-term research, and for the Task Force activity to live in parallel and collaboration with other IUFRO scientific activities. The Task Force proposes to the Board a transformation into a network of coordinated IUFRO research units. Coordination means that those WPs involved will be encouraged to organize joint meetings on topics such as:

- C & I in the Neotropics
- Network of demonstration forests
- Bridging the gap with Social Sciences

*Alain Franc
Task Force Coordinator*

IUFRO's Special Programme for Developing Countries - SPDC

The year 2000 marked some significant events for IUFRO's Special Programme for Developing Countries (IUFRO-SPDC). The highlight of the year was the IUFRO World Congress where the SPDC co-sponsored three workshops and participated in several other sessions and business meetings. Work on the European Commission (EC) funded "GFIS-Africa Project" commenced, and this project continues to demand the majority of the staff's time. We were also able to support the IUFRO World Congress and a number of workshops and training sessions; however, our discretionary scientists assistance programme was discontinued because of lack of sufficient general purpose funds. A few highlights of our activities are given below:

Capacity Building in Africa

IUFRO-SPDC plays an increasingly important role in working with national forestry research institutions to create opportunities for African science professionals to upgrade their fundamental skills and to foster networking and better information sharing within the region. The SPDC Deputy Coordinator for Africa (DCA), Dr. Atse Yapi, coordinates many of our activities in Africa, and the continued staffing of this position was possible through partnership with the EC, FAO and Danida. The co-location of the DCA with the FAO Regional Office for Africa in Accra, Ghana serves to strengthen ties with the FAO Forestry Department, which has created much collaboration and synergism. One significant result of this collaboration was the creation of the Forestry Research Network for Sub-Saharan Africa (FORNESSA), which in July was finally realized after many years of work and preparation by FAO, IUFRO and many other partners. The SPDC continues to contribute a large amount of support to the early development of FORNESSA as Dr. Yapi serves a central role as FORNESSA Secretary. IUFRO-SPDC co-organized, with AAS (African Academy of Sciences), IFS (International Foundation for Science) and other partners in Africa, three training workshops (Kenya, Uganda, Ethiopia) on Preparing and Writing Research Grant Proposals, from which over 130 scientists benefited. Participation by the DCA at several meetings served to build additional partnerships in Africa.

GFIS-Africa Project:

Funding provided by the EC for the 3-year project, "Mobilizing scientific information on forests to promote their sustainable management in ACP countries" has allowed the SPDC to work with FAO and partners in Africa to build capacity in information technology, management and dissemination to allow regional participation in IUFRO's Global Forest Information Service (GFIS). The "GFIS-Africa Project" will establish 5 regional GFIS nodes (websites with GFIS metadatabases and interoperability functions) in Africa that will facilitate access to and dissemination of scientific and technical information on forests and their utilization. These nodes will be located in Ghana (FORIG), Senegal (ISRA-CNRF), Kenya (KEFRI), Zimbabwe (FRC)

and Gabon (ADIE). The project organizational meeting was held in Dakar, Senegal in October and served to refine the scope and workplan of the project. The project will provide considerable capacity building in terms of equipment and training. Furthermore, metadatabases will initially focus on bibliographic resources, especially gray literature, and information about forest research and educational institutions, science experts and forest-related projects. FAO is a major partner, and an Information Specialist, who is the main technology resource person for the project, is co-located at FAO in Rome. A second person will be hired later. We are also working very closely with the African Forestry Research Network (AFORNET) to build on the GFIS nodal efforts by initiating networking and synthetic efforts concerning three forestry themes of importance to the region.

Capacity Building in Asia

BIOTechnology Assisted REFORestation (BIO-REFOR) Project:

The 9th Annual BIO-REFOR Workshop was held during the IUFRO World Congress in Kuala Lumpur in August. The Workshop programme, organized by BIO-REFOR-Japan and funded through the generosity of Japan's Overseas Development Assistance Programme (ODA), included a broad-ranging and comprehensive overview of earlier and ongoing work demonstrating the critical role of biotechnology in forestry, especially as relates to reforestation efforts in the Asia-Pacific region. Clearly, this is an area of work which requires continued and increased efforts to help meet the world's needs for forest resources.

Preceding the IUFRO Congress, IUFRO-SPDC co-sponsored two training workshops in Kuala Lumpur. A five day course on *Forestry Research Strategy Formulation, Planning and Management* was immediately followed by a 1.5 day course on *Planning and Writing a Research Proposal*. Both courses were organized by the Faculty of Forestry, Universiti Putra Malaysia (UPM), in collaboration with the SPDC and IFS. A total of 40 participants from 25 countries, largely sponsored by IFS and IUFRO-SPDC, attended the course.

Capacity Building in Eastern Europe

Effects of Forest Health on Biodiversity in the Carpathian Mountains:

To get a better understanding of ozone distribution and its potential for biological effects on forests, the USDA International Cooperation and Development and USDA Forest Service funded international cooperative research which commenced in 1997. A network of 26 plots for monitoring air pollution in the Carpathian range was established to provide information on spatial and temporal distribution of ozone in forests. In addition, forest health, native ozone-sensitive indicators, changes in biological diversity, bark

beetle infestations, changes in genetic pools of main forest trees species, as well as growth trends of trees have been investigated. Results of these studies provide a scientific basis for better understanding of causes of the continuing forest decline in the Carpathian Mountains. The summer 2000 was the last year of the project. The Slovak Academy of Sciences will organize a workshop in Stara Lesna, Slovakia in May 2001 to present, discuss, and summarize the results of these studies and other relevant work done throughout Eastern Europe. A series of key presentations together with results of the Carpathian studies presented by other invited speakers, will provide an opportunity for developing a state of science report on the potential of air pollution (with a special emphasis on ozone) for changing the composition, structure, and functioning of forests in the Carpathian Mountains. Presentations from the meeting will be published in a special NATO Scientific Programs book.

Capacity Building in Latin America

IUFRO-SPDC is currently seeking resources to develop a new training course and workshops on the topic of Evaluation and Maintenance of Forest Health. In collaboration with the Canadian Forest Service and the University of Chile, a proposal has been developed and has been submitted to donors. To build capacity for participation of Latin American forestry institutions and scientists in the GFIS, a proposal has been prepared for submission to the World Bank infoDev Program. This proposal asks for funds to build 3 GFIS-compatible nodes in Chile, Brazil and Colombia and to provide training on information technology, dissemination and management as well as on GFIS standards and protocols.

Scientist Assistance Programme

IUFRO-SPDC provided over US\$262,000 to scientist support in 2000 including \$86,177 for the IUFRO World Congress, \$162,153 for BIO-REFOR including the workshop in Kuala Lumpur and \$14,000 for the conference on Sustainable Management of Forest Resources in Cuba.

We are no longer able to find resources to maintain our small discretionary travel grants. All future assistance

for IUFRO workshops and meetings will be restricted to those meetings where we can successfully compete for additional support from other sources. This means that any support secured will be given directly to those workshop organizers who work closely with us in developing funding proposals. We will no longer be able to accept applications or requests from individual scientists.

Information Services

Training Manuals:

The "Handbook for Preparing and Writing Proposals" by Dr. C. Patrick Reid was finalized and published. This book is very popular and many copies have been sold. Furthermore, a set of Microsoft Powerpoint slides was developed to accompany the manual as an aid for instructors, and these are available for downloading from the SPDC website. Furthermore, a French version of this Handbook was commenced and will be completed early in 2001.

Textbooks:

IUFRO-SPDC Textbook No. 3, the Spanish translation of Frank Wadsworth's "Forest Production for Tropical America" was completed in partnership with the USDA Forest Service and is currently being printed.

IUFRO-SPDC on the Web:

The IUFRO-SPDC website continues to expand its content which includes the manuals "Planning and Managing Forestry Research" and "Handbook for Preparing and Writing Research Proposals"; Proceedings of the BIO-REFOR Workshops for 1997-1999; SPDC inserts in the IUFRO news; topical papers; and timely announcements of activities and changes to the programme.

Personnel - News

After four years as SPDC Coordinator, Dr. Robert Szaro returned to the USDA Forest Service to work as Deputy Director at the Pacific Northwest Research Station. Dr. David Langor was appointed as Acting Coordinator until a new Coordinator is in place.

*David Langor, Acting SPDC Coordinator
Atse M. Yapi, Deputy Coordinator for Africa*

SILVAVOC

Forest Terminology: Expert Knowledge and Cooperation at the IUFRO World Congress

The year 2000 was marked by intensive activities culminating in the IUFRO World Congress in Kuala Lumpur, Malaysia, in August 2000.

As in 1998 for the Workshop on Multilingualism and Expert Cooperation in Forest Terminology (MEXFT'98), Michèle Kaennel Dobbertin, Coordinator of 6.03.02 and Renate Prüller, Coordinator of SilvaVoc joined efforts to organize a Group Session at the IUFRO World Congress. Four speakers presented their contributions on "Forest Terminology in Relation to Societal Change and Decision Making" (John Helms, USA); "Proposal of a Multilingual

Forest Terminology Database Designed for Western and Non-Western Languages” (Mitsuo Matsumoto, Japan); “Terminology as a Way to Communicate Values: Sustainable Forest Development. Vision of the World in the 21st Century” (Nérida Puentes Alvarez, Cuba) and “Coming to Terms with Politicians and Definitions” (H. Gyde Lund, USA). A joint poster on the activities in forest terminology of 6.03.02 and SilvaVoc and a discussion on the diversity of activities and needs in forest terminology rounded up this interesting event. Abstracts of the contributions are available at the SilvaVoc website (see Archives) and Proceedings will be published in the IUFRO Occasional Paper Series in 2001. A short guide on how to do forest terminology work together with a questionnaire has been developed for the Congress and is also available from the SilvaVoc website.

New joint activities resulted from the contacts established or re-established during the World Congress and are dedicated to improving the awareness of terminological problems in expert communication among the IUFRO members and will occupy us more during the year 2001.

At the Congress it was also decided that the terminology project SilvaVoc would continue its activities with the support of the IUFRO Board. With the SilvaVoc programme of work, which was presented to the Board in December 2000, financial support will again be sought from the ODA Ja-

pan, and, more intensively, also from other sources. The flexible structure of the work plan allows to approach and invite sponsors for financial support to specific project elements, as well as to indicate sponsorship priorities. The new IUFRO Statutes give the Coordinator of SilvaVoc the status of a Member of the Enlarged IUFRO Board.

Before and after the Congress two volumes of IUFRO World Series, the versions in Japanese and English of the Terminology of Forest Management (Forsteinrichtung) were published and presented in March and November, respectively. As in the past the excellent cooperation of Working Party 4.04.07 SilvaPlan and SilvaVoc has led to these publications which, besides the terms and definitions in Japanese and English, provide the equivalent terms in seven other languages (German, French, Hungarian, Italian, Portuguese, Spanish, and English or Japanese).

The SilvaVoc participation at the IUFRO World Congress in Malaysia and other visits to IUFRO institutions in Argentina in March, Italy in April, and Germany in October, were successful in generating more interest in forest terminology and contributions for SilvaVoc, its website and its bibliography and the SilvaTerm database. The website was improved and the SilvaTerm terminological database is fully operational at <http://iufro.boku.ac.at/iufro/silvavoc>.

*Renate Prüller
Coordinator SilvaVoc Project*

FINANCES

Table 1: IUFRO / UNION (see page 28)

With an income of EUR 938'732 and expenditures of EUR 999'651, the IUFRO/UNION accounting year 2000 closes with a total **excess of expenditures over income of EUR 60'920**. During the year under review, the exchange rate between the European currency and the US Dollar was taken to be 1:1. Unfortunately, the devaluation of the EURO continued in 2000, and the exchange rate calculated at the end of the year was 1 EUR = 1.06 USD.

Table 2: “Developing Countries“ SPDC (see page 28)

The income and expenses of SPDC handled by the Secretariat in Vienna were audited by Alpentreuhand, Vienna, and approved as per report of February 2001. The total **amount actually spent** was by 16% or EUR 89'272 lower than the budgeted amount of EUR 559'639. Only the expenses for **travelling** of EUR 17'374 exceeded the budgeted sum by EUR 5'579 (47.3%). All the other expenses stayed below the budgeted amounts, which is a **positive result**. However, the **total income** of EUR 365'437 is by EUR 192'106 (34.5%) lower than the budgeted amount.

The sum received for “Grants and Agreements“ alone was by EUR 207'882 (39.1%) below the budgeted amount. The accounting year closed with an **excess of expenses over income of EUR 104'930**.

Table 3: IUFRO Secretariat and Finance Office (see page 29)

IUFRO Secretariat, Vienna

The IUFRO Secretariat accounts were audited by KPMG Alpentreuhand Gesellschaft, Vienna, and approved as per report of February 2001. In comparison with the budgeted expenses of EUR 325'750, the real expenses amounted to EUR 306'418, which is a **positive result**.

In 2000, IUFRO received EUR 45'190 from the Austrian government for **salaries**; according to the contract, this sum served for paying the costs of a multilingual assistant. IUFRO also received EUR 17'123 for **rent**. Further in-kind payments from the Austrian government for the salaries of one full-time staff member/year and three half-time staff members/year are not considered in the accounts.

Other income comprises the refunding of expenses for mailing activities for Elsevier, for example, as well as the remaining sum of the SAP money (Scientist Assistance Programme) from the IUFRO World Congress 2000 that was refunded by the Congress Organizing Committee.

In comparison with 1999, the expenses for **salaries** rose at a normal rate. **Other personnel costs** comprise the expenses for the computer system maintenance and improvement, and the acquisition of external workforce for Internet tasks and entries in the on-line literature data base LIBERO.

The **travel costs** rose markedly in 2000 as compared to the previous year. However, this increase as well as the cost increases for **printing and mailing** had been budgeted because of the calculated requirements for the World Congress. The decisive increase of **other costs** compared to 1999 is also primarily due to extra budgeted expenses at the IUFRO World Congress.

Sponsorship and Awards also show a significant increase as compared to 1999. This position comprises mainly prizes (honoraria, new scrolls and medals) for the IUFRO World Congress.

The costs for **telecommunications, bank charges, office supplies, new equipment and legal expenses/auditing** could be reduced in the year under review. The expenses for **rent and leasing** increased slightly.

Finance Office, Zurich

In comparison with the previous year, the income from **membership fees** increased by EUR 23'004.

	2000	1999	1998
Member. fees	218'875	203'581	212'553
Sums written off	<u>10'721</u>	<u>18'431</u>	<u>8'715</u>
Total	208'154	185'150	203'838

Membership in 2000

Admissions: 16 ordinary/4 associated (see p. 30)

Withdrawals: 15 ordinary/6 associated (see p. 31)

Number of members as per 31 Dec. 2000:

Ordinary members:	503
Sub-members:	126
Sub-sub-members:	<u>44</u>
Total/Member Organizations	673
Associated members	58

In comparison with the earnings from **publication sales** in 1999, the income increased only slightly from EUR 5'002 to EUR 5'156 in 2000.

The new strategy of investing more strongly in investment funds than in fixed-term deposits resulted in a reduction of **interest earnings** of 52% or EUR 16'888 as compared to

the previous year. The total **profit on exchange** of EUR 33'134 is composed of EUR 17'466 of realized profits (see profit and loss account) and EUR 15'468 of non realized profits. The latter are booked as provision for currency risks on the balance account.

The position **Other Income** shows various corrections of the account totalling EUR 5'399 which could not be booked to another income account.

Donations: The German Union of Forest Research Organizations donated an amount of EUR 511. In May 2001, IUFRO will receive another donation of USD 15'000 from the USDA Forest Service for the purpose of paying membership fees for the year 2000 for financially disadvantaged Member Organizations. However, this amount will only be counted as income in the 2001 accounts.

For the **services** (accounting, collection) rendered by **WSL** (Swiss Research Institute for Forest, Snow and Landscape), the accounts show a total amount of EUR 48'750.

The actual amount of **write-offs** of EUR 10'721 was below the budgeted amount by EUR 2'279 (17.5%).

The expenses for **bank charges** amounted to EUR 4'656 and were, thus, 37.9% below the budgeted amount and even 40.7% below the actual expenses of the previous year. This result is due to the increased investment in long-term funds.

Congress costs: The amount of EUR 3'523 was paid by the IUFRO Secretariat in Vienna to the Screener of the Congress Papers.

Table 4 IUFRO/Terminology (see page 29)

In 2000 Terminology again received a contribution of EUR 150'000 (converted from USD) from ODA Japan for the SilvaVoc project. Two more contributions were received: EUR 3'500 (conv. from USD) from FAO, Rome, for the 2nd extension phase of the FAO/IUFRO Glossary on "Forest Genetic Resources", and EUR 32'000 (conv. from USD) from the Taipei Economic and Cultural Office in Austria. The actual income was by EUR 50'661 or 34.5% higher than budgeted.

In March, Terminology paid a sum of EUR 52'520 (converted from USD) to Japan as a contribution to the partial financing of the SilvaVoc project. In the year under review, the actual expenses of EUR 146'897 exceeded the budgeted expenses by 2.9% or EUR 4'147. A **surplus of income** of EUR 50'639 was achieved.

*Finance Office
(translated and abridged)*

Table 1 IUFRO/UNION: Profit and Loss Account for the year ending Dec 31, 2000, in EURO

<i>Expenses</i>		<i>Income</i>	
IUFRO	<i>2000/EUR</i>	IUFRO	<i>2000/EUR</i>
Personnel Costs	142'842	Income	375'759
Operating Costs	<u>239'545</u>	Surplus of Expenses	
	<u>382'387</u>	(incl. loss on exchange)	25'770
		Loss on exchange not real.	19'141
		Surplus of expenses	
		(excl. loss on exchange)	6'628
	382'387		382'387
TERMINOLOGY	<i>2000/EUR</i>	TERMINOLOGY	<i>2000/EUR</i>
Personnel Costs	60'127	Income	<u>197'536</u>
Operating Costs	<u>86'770</u>		
	<u>146'897</u>		
Surplus of Income (incl profit/exch)	66'036		
Profit on Exchange not real.	<u>15'397</u>		
Surplus of Income (excl profit/exch)	<u>50'639</u>		
	197'536		197'536
SPDC	<i>2000/EUR</i>	SPDC	<i>2000/EUR</i>
Personnel Costs	64'732	Income	365'437
Operating Costs	<u>405'635</u>	Surplus of Expenses	
		(incl. profit on exchange)	84'650
		Profit on exchange not real.	<u>-20'280</u>
		Surplus of Expenses (excl prof/exch)	<u>104'930</u>
	470'367		470'367
TOTAL: IUFRO/UNION	<i>2000/EUR</i>	TOTAL: IUFRO/UNION	<i>2000/EUR</i>
Personnel Costs	267'701	Income	938'732
Operating Costs	<u>731'950</u>	Surplus of Expenses	
		(incl. loss of exchange)	44'384
		Profit on exchange not realized	-16'536
		Surplus of Expenses	
		(excl. profit on exchange)	60'920
	999'651		

Table 2 IUFRO/SPDC: Profit and Loss Account for the year ending December 31, 2000, in EURO

<i>Expenses</i>		<i>Income</i>	
	<i>2000/EUR</i>		<i>2000/EUR</i>
Salaries	38'478	Sale/FORSTAT, RES	5'408
Other Personnel Costs	<u>26'254</u>	Interest earnings	20'859
Total Personnel Costs	64'732	Realized Profit on Exchange	14'169
Travel	17'374	Grants and Agreements	<u>325'001</u>
Printing	6'390		
Postage	3'076	TOTAL INCOME	365'437
Telecom	5'599		
Bank Charges	2'806	Surplus of Expenses	84'650
Office Supplies	1'704	Profit on Exchange, not realized	<u>20'280</u>
Rent & Utilities	2'140	Surplus of Expenses	104'930
New Eqmnt/Leas./Write-offs	2'197		
Legal Expenses/Auditing	1'508		
Other Expenses	1'584		
Sponsorship/Awards	361'258		
Total Operating Costs	405'635		
TOTAL EXPENSES	470'367	TOTAL INCOME	470'367

Table 3 IUFRO Secretariat/Finance Office, Profit and Loss Account for the year ending Dec 31, 2000, in EURO

<i>Expenses</i>		<i>Income</i>	
	<i>2000/EUR</i>		<i>2000/EUR</i>
Secretariat Vienna		Secretariat Vienna	
Salaries	91'018	<i>Contributions by the Austrian Government:</i>	
Other Personnel Costs	<u>14'324</u>	- Salaries	45'190
Total Personnel Costs	<u>105'342</u>	- Rent	17'123
Travel	26'030	Other Income	<u>2'276</u>
Printing	22'653		
Postage	47'305		
Telecom	10'008		
Bank Charges	1'413		
Office Supplies	3'317		
Rent/Leasing	21'097		
New Equipment/Write-offs	11'329		
Legal Expenses + Auditing	6'939		
Other Expense	6'477		
Sponsorship/Awards	<u>44'507</u>		
Total Operat. Costs Vienna	201'076		
TOTAL EXPENSES VIENNA	306'418	TOTAL INCOME VIENNA	64'589
	<i>2000/EUR</i>		<i>2000/EUR</i>
Finance Office Zurich		Finance Office Zurich	
Salaries	<u>37'500</u>	Membership Dues	218'875
Total Personnel Costs	<u>37'500</u>	Sale of Publications	5'156
President's Office	5'946		
Postage	212	Interests	15'523
Printing	774	Realized Profit on Exchange	17'466
Write-offs	10'721	Other Income	5'399
Bank Charges	4'656	Grants/Agreements	511
Legal Expenses + Auditing	1'387	<i>Contributions WSL (CH):</i>	
Other Costs	11'250	- Salary	37'500
Congress Costs	<u>3'523</u>	- Infrastructure	<u>11'250</u>
Total Operat. Costs Zurich	38'469		
TOTAL EXPENSES ZURICH	<u>75'969</u>	Total Income Zurich	311'681
Total Operat. Costs Vie+Zur	239'545	Provision for Dev. Fund	-511
Total Person. Costs Vie+Zur	142'842	TOTAL INCOME ZURICH	311'169
		Total Income Vie + Zur	375'759
		Surplus of Expenses 2000	6'628
TOTAL EXPENSES	382'387	TOTAL INCOME	382'387

Table 4 IUFRO Terminology, Profit and Loss Account for the year ending Dec 31, 2000, in EURO

<i>Expenses</i>		<i>Income</i>	
	<i>2000/EUR</i>		<i>2000/EUR</i>
Salaries	38'409	Grants and Agreements	185'500
Other Personnel Costs	<u>21'718</u>	Interest earnings	<u>12'036</u>
Total Personnel Costs	60'127	TOTAL INCOME	197'536
Travel	7'174		
Printing	10'531		
Postage	1'793		
Telecom	1'638		
Bank Charges	1'437		
Office Supplies	646		
New Equipment/Write-offs	903		
Other Expenses	52'800		
Sponsorship/Awards	<u>9'849</u>		
Total Operating Costs	86'770		
TOTAL EXPENSES	146'897		
Surplus of Income	<u>50'639</u>		
TOTAL EXPENSES	197'536	TOTAL INCOME	197'536

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PO Box 157
Lismore, NSW 2480

Bhutan - 852.00.00

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Thimphu

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Vlade Prekrata 20
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Czech Republic - 845.00.00

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Kotojedska 1044
76701 Kromeriz

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The World Conservation Union for CIS
Martial Vasilevsky Str. 17
123182 Moscow

Sudan - 179.00.00 (Reinstatement)

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Forestry Research Center
PO Box 7089
Khartoum

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Bangui

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Program on Environment
East-West Center
1601 East-West Road
Honolulu 96848

IUFRO Structure of Divisions ordered by Research Units, Coordinators and Deputy Coordinators

Division 1							
1.00.00	Sennerby-Forsse Lisa	Sweden	C	1.07.09	Seitz Rudi	Brazil	C
1.00.00	Salazar Rodolfo	Costa Rica	D	1.07.09	Montagnini Florencia	Costa Rica	D
1.00.00	Parrotta John	United States	D	1.07.13	Simpson John	Australia	C
1.00.00	Sachs Menachem	Israel	D	1.07.13	Bai Jiayu	China	D
1.05.00	Brissette John	United States	C	1.07.14	Moutanda Antoine	Congo	C
1.05.00	Puttonen Pasi	Finland	D	1.07.14	Kadio Adjumane Aimé	Côte d'Ivoire	D
1.05.00	Grosse W. Hans	Chile	D	1.07.15	Kandeel S.A. Ezzat	Egypt	C
1.05.00	Luis Jaime F.S.	Portugal	D	1.07.15	Wrann Johannes	Chile	D
1.05.01	Kaunisto Seppo	Finland	C	1.07.16	Aminuddin M.	Malaysia	C
1.05.01	Jeglum John	Sweden	D	1.07.16	Donovan Deanna	United States	D
1.05.03	Grosse W. Hans	Chile	C	1.07.17	Maury-Lechon Gema	France	C
1.05.03	Zajackowsky Jan	Poland	D	1.07.17	Turner I.	Singapore	D
1.05.04	Puttonen Pasi	Finland	C	1.07.17	Thanh Phong Nguyen	Viet Nam	D
1.05.05	Skovsgaard Jens Peter	Denmark	C	1.07.17	Balasubramaniam K.	India	D
1.05.05	Johansson Ulf	Sweden	D	1.07.17	Chan Hung Tuck	Malaysia	D
1.05.06	Lust Noël	Belgium	C	1.07.19	Seydack Armin	South Africa	C
1.05.06	Brooks Robert T.	United States	D	1.09.00	Christersson Lars	Sweden	C
1.05.06	Croke Jacky	Australia	D	1.09.00	Wright Lynn L.	United States	D
1.05.08	Silva Natalino	Brazil	D	1.09.00	Lee Don K.	Korea (Rep)	D
1.05.11	Aksoy Hüseyin	Turkey	C	1.09.01	Abrahamson Lawrence	United States	C
1.05.11	Ozalp Gulen	Turkey	D	1.09.01	Svadicani Kjell	Denmark	D
1.05.11	Kerrouani Haddou	Morocco	D	1.09.02	Kenney W.A.	Canada	C
1.05.11	Courbet Francois	France	D	1.09.02	Verma Kartar S.	India	D
1.05.12	Navratil Stan	Canada	D	1.10.00	Paule Ladislav	Slovakia	C
1.05.13	Wight Bruce	United States	C	1.13.00	Wagner Robert G.	United States	C
1.05.13	Sidle Roy C.	Singapore	D	1.13.00	Frochot Henri	France	D
1.05.13	Hou Quing Jiang	China	D	1.14.00	Emmingham W.	United States	C
1.05.14	Montero Gonzalez G.	Spain	C	1.14.00	Liu Shirong	China	D
1.05.14	Piussi Pietro	Italy	D	1.15.00	Sinclair Fergus L.	United Kingdom	C
1.05.14	Canellas Isabel	Spain	D	1.15.00	Khosla Prem Kumar	India	D
1.05.14	Schoenenberger Walter	Switzerland	D	1.15.00	Prinsley Roslyn	Australia	D
1.05.15	Luis Jaime F.S.	Portugal	C	1.15.00	Hsiung Wen Yue	China	D
1.05.15	Mercurio Roberto	Italy	D	1.15.01	Gold Michael	United States	C
1.05.15	McCaughey Ward	United States	D	1.15.01	Sibbald Alan	United Kingdom	D
1.05.15	Vorobjev V.	Russian Fed.	D	1.15.01	Gordon Andrew	Canada	D
1.05.15	Senn Josef	Switzerland	D	1.15.01	Knowles Leith	New Zealand	D
1.05.16	Eder Walter	Germany	C	1.15.02	Beer John	Costa Rica	C
1.05.16	Prpic Branimir	Croatia	D	1.15.02	Simons Tony	Kenya	D
1.06.00	Spiecker Heinrich	Germany	C	1.15.03	Auclair Daniel	France	C
1.06.00	Rogers Robert	United States	D	1.15.03	Van Noordwijk Meine	Indonesia	D
1.06.00	Somogyi Zoltán	Hungary	D	1.15.04	Holding Christine	Kenya	C
1.07.00	Vanclay Jerry	Australia	C	1.15.04	Franzel Steve	Kenya	D
1.07.00	De las Salas F. Gonzalo	Colombia	D	1.15.05	Ibrahim Muhammad	Costa Rica	C
1.07.00	Maitre Henri Felix	France	D	1.15.05	Thorne Peter	United Kingdom	D
1.07.00	Sabogal Cesar	Brazil	D	1.15.05	Shelton Max	Australia	D
1.07.05	Finegan Bryan	Costa Rica	C	1.17.00	Parrotta John	United States	C
1.07.05	Silva Natalino	Brazil	D	1.17.00	Lamb David	Australia	D
1.07.08	Ewel Katherine C.	United States	C	1.17.01	Huettl Reinhard F.	Germany	C
1.07.08	Saenger Peter	Australia	D	1.17.01	Setiadi Yadi	Indonesia	D
				1.17.02	Stanturf John	United States	C

1.17.02	Madsen Palle	Denmark	D
1.17.03	Lamb David	Australia	C
1.17.03	Nair K.K.N.	India	D
1.17.03	Montagnini Florencia	Costa Rica	D
1.17.04	Atzmon Nir	Israel	C
1.17.04	Castillo Victor M.	Spain	D
1.17.04	Puri Sunil	India	D

Division 2

2.00.00	Teissier du Cros Eric	France	C
2.00.00	Luxmoore Robert J.	United States	D
2.00.00	Paule Ladislav	Slovakia	D
2.01.00	Teskey Robert O.	United States	C
2.01.00	Chalupka Wladyslaw	Poland	D
2.01.00	Pereira Joao S.	Portugal	D
2.01.08	Horsley Stephen B.	United States	C
2.01.10	Sudachkova Nina E.	Russian Fed.	C
2.01.10	Aloni Roni	Israel	D
2.01.10	Tyree Melvin T.	United States	D
2.01.11	Hallgren Stephen	United States	C
2.01.11	Wang Ya-Nan	China - Taipei	D
2.01.12	Ryan Michael G.	United States	C
2.01.12	Kramer Koen	Netherlands	D
2.01.12	Beadle Chris	Australia	D
2.01.12	Stenberg Pauline	Finland	D
2.01.13	Topa Mary A.	United States	C
2.01.13	Malajczuk Nicholas	Australia	D
2.01.14	Doulis Andreas	Greece	C
2.01.14	Hänninen Heikki	Finland	D
2.01.15	Kaufmann Merrill R.	United States	C
2.01.15	Cermak Jan	Czech Republic	D
2.01.15	McMurtie Ross	Australia	D
2.01.15	Paliwal Kailash	India	D
2.01.16	Chalupka Wladyslaw	Poland	C
2.01.16	Cecich Robert A.	United States	D
2.01.17	Roulund Hans	Denmark	C
2.01.17	Monteuuis Olivier	France	D
2.02.00	Matyas Csaba	Hungary	C
2.02.00	Okoro Ogonnaya Otusi	Nigeria	D
2.02.00	Volosyanchuk Roman	Ukraine	D
2.02.05	Bastien Jean-Charles	France	C
2.02.05	Woods Jack	Canada	D
2.02.07	Martinsson Owe	Sweden	C
2.02.07	Nagasaka Kazutoshi	Japan	D
2.02.07	Wyckoff Gary W.	United States	D
2.02.11	Skroppa Tore	Norway	C
2.02.11	Sabor Janusz	Poland	D
2.02.11	Mikola Jouni	Finland	D
2.02.13	Ducci Fulvio	Italy	C
2.02.13	Aravanopoulos Philippos,	Greece	D
2.02.13	Fady Bruno	France	D
2.02.15	Schlarbaum Scott E.	United States	C
2.02.15	Blada Ioan	Romania	D
2.02.15	Kriebel Howard B.	United States	D
2.02.18	Oleksyn Jacek	United States	C
2.02.18	Goncharenko Grigori	Belarus	D
2.02.18	Stahl Erik G.	Sweden	D

2.02.19	Ades Peter	Australia	C
2.02.19	Balocchi Claudio	Chile	D
2.02.19	Carson Michael J.	New Zealand	D
2.02.20	Dieters Mark J.	Australia	C
2.02.20	McCutchan Barbara G.	United States	D
2.02.23	Hong Jusheng	China	C
2.04.00	Adams W. Thomas	United States	C
2.04.00	Koski Veikko	Finland	D
2.04.00	Vendramin Giovanni G.	Italy	D
2.04.01	Yeh Francis C.	Canada	C
2.04.01	Savolainen Outi	Finland	D
2.04.02	Bongarten Bruce	United States	C
2.04.02	Ericsson Tore	Sweden	D
2.04.06	Strauss Steven	United States	C
2.04.06	Jouanin Lise	France	D
2.04.06	Campbell Malcolm	United Kingdom	D
2.04.08	Borzan Zelimir	Croatia	C
2.04.08	Guttenberger Helmut	Austria	D
2.04.08	Toda Yoshihiro	Japan	D
2.04.09	Neale David	United States	C
2.04.10	Neale David	United States	C
2.08.00	Wang Huoran	China	C
2.08.00	Vigneron Philippe	France	D
2.08.00	Grattapaglia Dario	Brazil	D
2.08.01	Dyer Colin	South Africa	C
2.08.01	Balocchi Claudio	Chile	D
2.08.01	Hardiyanto Eko	Indonesia	D
2.08.01	Dieters Mark J.	Australia	D
2.08.01	Hodge Gary	United States	D
2.08.01	Lal Piare	India	D
2.08.01	Boshier David	United Kingdom	D
2.08.01	Stanger Terry	South Africa	D
2.08.02	Pinyopusarek Khongsak,	Australia	D
2.08.02	Werner Dietrich	Germany	D
2.08.03	Borralho Nuno M.G.	Portugal	C
2.08.03	Ipinza Roberto H.	Chile	D
2.08.03	Bouillet Jean-Pierre	Congo	D
2.08.04	Villar Marc	France	C
2.08.04	Gullberg Urban	Sweden	D
2.08.04	Zamudio Francisco	Chile	D
2.08.04	Stanton Brian	United States	D
2.08.05	Steiner Kim C.	United States	C
2.08.05	Savill Peter S.	United Kingdom	D
2.08.06	Ipinza Roberto H.	Chile	C
2.08.06	Gallo Leonardo	Argentina	D
2.09.00	Edwards David G. W.	Canada	C
2.09.00	Musoke R.	Uganda	D
2.09.00	Vozzo John	United States	D
2.10.00	Muhs Hans-Jakob	Germany	C

Division 3

3.00.00	Dykstra Dennis P.	United States	C
3.00.00	Furuberg Gjeditjernet A.M.,	Norway	D
3.00.00	Cordero William	Bolivia	D
3.02.00	Menzies Mike	New Zealand	C
3.02.00	McNabb Ken	United States	D
3.02.00	Fjeld Dag	Sweden	D

3.02.01	Kaushal Parvinder	India	C	3.10.00	Ruud Sigurd Ole	Norway	D
3.02.01	Cazaux Jean-Pierre	France	D	3.10.01	Johnson Leonard	United States	C
3.02.01	Hall Peter	New Zealand	D	3.10.01	Brink Michal	South Africa	D
3.02.02	Ryans Mark	Canada	C	3.10.01	Berg Staffan	Sweden	D
3.02.03	Mattsson Anders	Sweden	C	3.10.02	Daugavietis Maris	Latvia	C
3.02.03	Arnott James	Canada	D	3.10.02	Ilavsky Jan	Slovakia	D
3.02.03	Herman Barri	United States	D	3.10.03	Zundel Pierre	Canada	C
3.04.00	Mikkonen Esko	Finland	C	3.10.03	Sonntag Georg	Germany	D
3.04.00	Nieuwenhuis Maarten	Ireland	D	3.10.03	Sionneau Jean	France	D
3.04.00	Field David	United States	D	3.10.04	Mitchell C. Paul	United Kingdom	C
3.04.00	McCormack Robert	Australia	D	3.10.04	Danielsson Bengt-Olof	Sweden	D
3.04.01	Robak E.W. Ted	Canada	C	3.10.04	Watson Billy	United States	D
3.04.01	Kitagawa Katsuhiko	Japan	D	3.10.05	McCormack Robert	Australia	C
3.04.01	Marcos Francisco	Spain	D	3.10.05	Amlin Erik	Canada	D
3.04.01	Reutebuch Stephen E.	United States	D	3.10.05	Dahlin Bo	Sweden	D
3.04.02	Björheden Rolf	Sweden	C	3.11.00	Lauhanen Risto	Finland	C
3.04.02	Thompson Michael A.	United States	D	3.11.00	Wästerlund Iwan	Sweden	D
3.04.02	Apel Karl	Germany	D	3.11.00	Zabkiewicz J.A.	New Zealand	D
3.04.02	Shiba Masami	Japan	D	3.11.00	Kamaruzaman Jusoff	Malaysia	D
3.05.00	Stokes Bryce	United States	C	3.11.00	Costa Filho Perminio P.	Brazil	D
3.05.00	Elias	Indonesia	D	3.11.01	Wästerlund Iwan	Sweden	C
3.05.00	Castaneda Froylan	Italy	D	3.11.01	Matthies Dietmar	Germany	D
3.06.00	Heinimann Hans R.	Switzerland	C	3.11.01	Koubaka Lubin	Congo	D
3.06.00	Sessions John	United States	D	3.11.01	Lihai Wang	China	D
3.06.00	Abeli Willbard S.	Tanzania	D	3.11.02	Costa Filho Perminio P.	Brazil	C
3.06.00	Sever Stanislav	Croatia	D	3.11.02	Hassan Awatif E.	United States	D
3.06.01	Guglhör Wolf	Germany	C	3.11.02	Kamaruzaman Jusoff	Malaysia	D
3.06.01	Shiba Masami	Japan	D	3.11.02	Nitteberg Morten	Norway	D
3.06.01	Gayoso Jorge	Chile	D	3.11.03	Zabkiewicz J.A.	New Zealand	C
3.06.02	Pertlik Ewald	Austria	C	3.11.03	Skoupy Alois	Czech Republic	D
3.06.02	Lisland Torstein	Norway	D	3.11.03	Derus Abdul Rahman	Malaysia	D
3.06.02	Mohd Farid Abd. Rashid	Malaysia	D	3.11.03	Koolen A.J.	Netherlands	D
3.07.00	Staudt Frits J.	Netherlands	C	3.11.03	Karr Robert	United States	D
3.07.00	Lipoglavsek Marjan	Slovenia	D				
3.07.00	Garland John J.	United States	D				
3.07.01	Apud Elias	Chile	C	Division 4			
3.07.01	Rummer Robert B.	United States	D	4.00.00	Gadow v. Klaus	Germany	C
3.07.02	Vik Tore	Norway	C	4.00.00	Teplyakov Victor K.	Russian Fed.	D
3.07.02	Kanninen Kaija	Finland	D	4.00.00	Burkhart Harold E.	United States	D
3.07.02	Kirk Patrick	New Zealand	D	4.01.00	Skovsgaard Jens Peter	Denmark	C
3.07.03	Ponten Bengt	Sweden	C	4.01.00	Mowrer Todd H.	United States	D
3.07.03	Pollini Claudio	Italy	D	4.01.03	Zingg Andreas	Switzerland	C
3.07.03	De Hoop Cornelis	United States	D	4.01.03	LeMay Valerie	Canada	D
3.07.04	Wippermann Jochen	Germany	C	4.01.04	Kupka Ivo	Czech Republic	C
3.07.04	Birkeland Rolf	Norway	D	4.01.04	Tome Margarida	Portugal	D
3.07.05	Gellerstedt Sten	Sweden	C	4.01.04	Keenan Rod	Australia	D
3.07.05	De Souza Amaury P.	Brazil	D	4.01.06	MacLean David A.	Canada	C
3.08.00	Hyttinen Pentti	Finland	C	4.01.06	Amateis Ralph L.	United States	D
3.08.00	Murashima Yoshinao	Japan	D	4.01.08	Mielikäinen Kari	Finland	C
3.08.00	Sinner Hans-Ulrich	Germany	D	4.01.08	Spiecker Heinrich	Germany	D
3.09.00	Kofman Pieter D.	Denmark	C	4.01.09	Mäkelä Annikki	Finland	C
3.09.00	Spinelli Raffaele	Italy	D	4.01.09	Landsberg Joe	Australia	D
3.09.00	Lyons John	Ireland	D	4.01.09	Hasenauer Hubert	Austria	D
3.09.00	Lilleberg Risto E.	Finland	D	4.02.00	Päivinen Risto	Finland	C
3.10.00	Kellogg Loren	United States	C	4.02.00	Temu August Basil	Kenya	D
3.10.00	Guimier Daniel Y.	Canada	D	4.02.00	Lund H. Gyde	United States	D
3.10.00	Paschalis-Jakubowicz Piotr,	Poland	D	4.02.00	Singh Ashbindu	United States	D
				4.02.00	Vanclay Jerry	Australia	D

4.02.01	Krug Thelma	Brazil	C	Division 5		
4.02.01	Ellatifi Mohammed	Morocco	D	5.00.00	Youngquist John A.	United States C
4.02.01	Davis Robert	Italy	D	5.00.00	Wang Hsui H. (Cathy)	China - Taipei D
4.02.01	Atul Mr.	India	D	5.00.00	Sales Christian G.	France D
4.02.02	Kohli R.K.	India	C	5.00.00	Winkler András	Hungary D
4.02.02	Thammincha Songkram	Thailand	D	5.01.00	Phelps John E.	United States C
4.02.02	Nobori Yoshihiro	Japan	D	5.01.00	Baas Pieter	Netherlands D
4.02.03	Brack Chris	Australia	C	5.01.00	Saranpää Pekka	Finland D
4.02.03	Gregoire Timothy G.	United States	D	5.01.01	Aloni Roni	Israel C
4.02.03	Foli Ernest G.	Ghana	D	5.01.01	Barnett John	United Kingdom D
4.02.04	Alvarez Roman	Mexico	C	5.01.01	Takabe Keiji	Japan D
4.02.04	Dralle Kim	Denmark	D	5.01.02	Zhang Tony	Canada C
4.02.04	Tokola Timo	Finland	D	5.01.02	Fujita Minoru	Japan D
4.02.05	Zawila Tomasz	Poland	C	5.01.02	Peszlen Ilona	United States D
4.02.05	Evans David	United States	D	5.01.04	Nepveu Gérard	France C
4.02.05	Kamaruzaman Jusoff	Malaysia	D	5.01.04	Malan François S.	South Africa D
4.02.05	Folving Sten	Italy	D	5.01.04	Thörnqvist Thomas	Sweden D
4.02.06	Shvidenko Anatoly Z.	Austria	C	5.01.05	Cown Dave	New Zealand C
4.02.06	LaBau Vernon J.	United States	D	5.01.05	Araman Phillip	United States D
4.02.06	Magnussen Steen	Canada	D	5.01.05	Nakai Takashi	Japan D
4.02.07	Nuutinen Tuula	Finland	C	5.01.05	Barbour Jamie	United States D
4.02.07	Hoganson Howard	United States	D	5.01.05	Leban Jean-Michel	France D
4.02.07	Manley Bruce	New Zealand	D	5.01.05	Johansson Germund	Sweden D
4.04.00	Sekot Walter	Austria	C	5.02.00	Rouger Frederic	France C
4.04.00	Gal Janos	Hungary	D	5.02.00	Glos Peter	Germany D
4.04.00	Valsta Lauri	Finland	D	5.02.00	Green David W.	United States D
4.04.01	Eckmuellner Otto	Austria	C	5.02.01	Beall Frank C.	United States C
4.04.01	Aguirre Calderon Oscar	Mexico	D	5.02.01	Kucera Ladislav J.	Switzerland D
4.04.02	Merlo Maurizio	Italy	C	5.03.00	White Robert	United States C
4.04.02	Klocek Andrzej	Poland	D	5.03.00	Preston Alan F.	United States D
4.04.03	Deltuvas Romualdas	Lithuania	C	5.03.00	Vihavainen Tuija	Finland D
4.04.04	Klemperer W. David	United States	C	5.03.04	Osvald Anton	Slovakia C
4.04.04	Amano Masahiro	Japan	D	5.03.04	Sheau-Horng Lin	China - Taipei D
4.04.04	Centeno Julio	Venezuela	D	5.03.09	Gnanaharan Rajamoney	India C
4.04.06	Goulding Chris	New Zealand	C	5.03.09	Fernandez Ana Maria	Chile D
4.04.06	Madrigal Alberto	Spain	D	5.03.09	Wong Andrew	Malaysia D
4.04.07	Griess Othmar	Austria	C	5.04.00	Rosen Howard N.	United States C
4.04.07	Nieuwenhuis Maarten	Ireland	D	5.04.00	Hattori Nobuaki	Japan D
4.04.07	Schram Pierre	Luxembourg	D	5.04.00	Vanek Manfred	Austria D
4.04.08	Buerger-Arndt Renate	Germany	C	5.04.06	Fortin Yves	Canada C
4.04.08	Van Hensbergen Hubertus	South Africa	D	5.04.06	Kanagawa Yasushi	Japan D
4.11.00	Köhl Michael	Germany	C	5.04.06	Perré Patrick	France D
4.11.00	Kleinn Christoph	Costa Rica	D	5.04.07	Pizzi Antonio	France C
4.11.01	Gertner George	United States	C	5.04.07	Hse Chung-Yun	United States D
4.11.01	Guan Biing	China - Taipei	D	5.04.08	Tanaka Chiaki	Japan C
4.11.02	Rennolls Keith	United Kingdom	C	5.04.08	Groenlund Anders	Sweden D
4.11.02	Benitez Celia Gaillard	Argentina	D	5.04.10	Birkeland Rolf	Norway C
4.11.03	Schmoltd Daniel L.	United States	C	5.04.10	Massey Joseph G.	United States D
4.11.03	Muetzelfeldt Robert I.	United Kingdom	D	5.04.12	Dawson Bernard	New Zealand C
4.12.00	Koch Barbara	Germany	C	5.04.12	Roux Marie-Lise	France D
4.12.00	Hussin Yousif	Netherlands	D	5.04.13	Maness Thomas	Canada C
4.12.00	Schardt Matthias	Austria	D	5.04.13	Sachers Markus	Germany D
4.12.01	Zerda Hugo Raul	Argentina	C	5.05.00	Plackett David	Denmark C
4.13.00	Jöbstl Hans	Austria	C	5.05.00	Rowell Roger	United States D
4.13.00	Merlo Maurizio	Italy	D	5.05.00	Ye Kelin	China D
4.14.00	Schlaepfer Rodolphe	Switzerland	C	5.05.01	Kawai Suishi	Japan C

5.05.01	Ballerini Aldo	Chile	D
5.05.02	Hse Chung-Yun	United States	C
5.05.02	Xuhe Chen	China	D
5.05.02	Barbu Marius	Austria	D
5.05.03	Gatenholm Paul	Sweden	C
5.05.03	Sanadi Anand	United States	D
5.05.04	Militz Holger	Netherlands	C
5.05.04	Jalaluddin Harun	Malaysia	D
5.05.04	Takats Peter	Hungary	D
5.06.00	Hong L. T.	Malaysia	C
5.06.00	Foudjet Amos	Cameroon	D
5.06.00	Bhat Kanthila Mahabala	India	D
5.06.01	Thibaut Bernard	France	C
5.06.01	El Kortbi Mohamed	Morocco	D
5.06.02	Bhat Kanthila Mahabala	India	C
5.06.02	Thibaut Bernard	France	D
5.06.02	Okuyama Takashi	Japan	D
5.06.03	Waugh Gary	Australia	C
5.06.03	Bailleres Henri	France	D
5.06.03	Garcia Jose N.	Brazil	D
5.06.03	Turner Philip	South Africa	D
5.07.00	Fung Paul Y.H.	Australia	C
5.07.00	Rosen Howard N.	United States	D
5.07.01	Connor Mike	Australia	C
5.07.01	Kong Hoi Why	Malaysia	D
5.08.00	Abdul Latif Mohmod	Malaysia	C
5.08.00	Bhat Kanthila Mahabala	India	D
5.08.00	Tang Jung-Lei	China - Taipei	D
5.08.00	Mao Yi Fu	China	D
5.08.00	Chaves Ana Cecilia	Costa Rica	D
5.08.00	Kigomo Benard	Kenya	D
5.08.01	Janssen Jules J.A.	Netherlands	C
5.08.01	Gnanaharan Rajamoney	India	D
5.09.00	Wimmer Rupert	Austria	C
5.09.00	Vetter Roland E.	Brazil	D
5.10.00	Juslin Heikki	Finland	C
5.10.00	Becker Michel	Germany	D
5.10.00	Cohen David H.	Canada	D
5.10.00	Jelvez Arnaldo	Chile	D
5.10.00	Bush Robert J.	United States	D
5.10.00	Ishii Yutaka	Japan	D
5.11.00	Raychaudhuri Syama P.	India	C
5.11.00	Shortle Walter C.	United States	D
5.11.00	Shiva Mahabir Prasad	India	D
5.11.02	Raychaudhuri Syama P.	India	C
5.11.02	Rembold H.	Germany	D
5.11.03	Quiment Roch	Canada	C
5.11.03	Subansenee Wanide	Thailand	D
5.11.04	Salo Kauko	Finland	C
5.11.04	Lee Su See	Malaysia	D
5.12.00	Barbour Jamie	United States	C
5.12.00	Wong Andrew	Malaysia	D

Division 6

6.00.00	Koch Niels Elers	Denmark	C
6.00.00	Krott Max	Germany	D
6.00.00	Brown Perry J.	United States	D
6.01.00	Sievänen Tuija	Finland	C
6.01.00	Chen Chaw-Ming	China - Taipei	D
6.01.00	McLaughlin Bill	United States	D
6.01.02	Ammer Ulrich	Germany	C
6.01.02	Axelsson-Lindgren Ch.	Sweden	D
6.01.04	Jensen Frank S.	Denmark	C
6.01.04	Kim Seong-II	Korea (Rep)	D
6.01.05	Reunala Aarne	Finland	C
6.01.05	Chaudary G.C.	India	D
6.01.06	Proebstl Ulrike	Germany	C
6.01.06	Ito Taiichi	Japan	D
6.03.00	Kempf Alois	Switzerland	C
6.03.01	Brown Virginia	United States	C
6.03.01	Karjalainen Annikki	Finland	D
6.03.02	Kaennel Dobbertain Michèle,	Switzerland	C
6.03.02	Haddon Brian	Canada	D
6.03.03	Rütze Matthias	Germany	C
6.03.03	Koler Cvetka-Teja	Slovenia	D
6.03.04	Ugalde Luis	Costa Rica	D
6.03.04	Schaitza Erich Gomes	Brazil	D
6.06.00	Burns Denver	United States	C
6.06.00	Fryk Jan	Sweden	D
6.06.00	Schlaepfer Rodolphe	Switzerland	D
6.06.02	Miner Cynthia	United States	C
6.06.02	Sharma O.P.	India	D
6.06.03	Johnson James E.	United States	C
6.06.03	Beck Roland	Germany	D
6.06.04	Gemmel Pelle	Sweden	C
6.06.04	Schmidt Pieter	Cameroon	D
6.07.00	Johann Elisabeth	Austria	C
6.07.00	Arnould Paul	France	D
6.07.00	Gundermann Egon	Germany	D
6.07.01	Rawat Ajay S.	India	C
6.07.01	Grove Richard	Australia	D
6.07.02	Agnoletti Mauro	Italy	C
6.07.02	Anderson Steve	United States	D
6.07.04	Watkins Charles	United Kingdom	C
6.07.05	Schwenk Sigrid	Germany	C
6.11.00	Kaiser Harold F.	United States	C
6.11.00	Simula Markku	Finland	D
6.11.01	Bertrand Alain	France	C
6.11.01	Mgeni A.	Tanzania	D
6.11.01	Hansra B.S.	India	D
6.11.02	Smyth Jack H.	Canada	C
6.11.02	Spinelli Raffaele	Italy	D
6.11.02	Ota Ikuo	Japan	D
6.11.04	Langner Linda	United States	C
6.11.04	Penttinen Markku	Finland	D
6.11.06	Petrov Anatoly	Russian Fed.	C
6.11.06	Le Master Dennis	United States	D
6.11.07	Hoover Anne P.	United States	C
6.11.07	Broadhurst Richard	United Kingdom	D
6.12.00	Tikkanen Ilpo	United States	C

6.12.00	Risbrudt Christopher	United States	D	7.02.05	Hiratsuka Yasuyuki	Canada	C
6.12.00	Glück Peter	Austria	D	7.02.05	Jalkanen Risto	Finland	D
6.12.01	Solberg Birger	Norway	C	7.02.05	Kaneko Shigeru	Japan	D
6.12.01	Zimmermann Willi	Switzerland	D	7.02.06	Cech Thomas	Austria	C
6.12.02	Ellefson Paul V.	United States	D	7.02.06	Hartmann Günther	Germany	D
6.12.03	Essmann Hans F.K.	Germany	C	7.02.06	Jurc Dusan	Slovenia	D
6.12.03	Harou Patrice A.	United States	D	7.02.07	Sharma Jyoti	India	C
6.13.00	Schmithüsen Franz	Switzerland	C	7.02.07	Ofong A.U.	Nigeria	D
6.13.00	Herbst Peter	Austria	D	7.02.07	Lee Su See	Malaysia	D
6.13.00	Gallardo Enrique	Chile	D	7.02.08	Skilling Darroll	United States	C
6.13.00	Siegel William C.	United States	D	7.02.08	Batzer Harold O.	United States	D
6.14.00	Nilsson Kjell	Denmark	C	7.02.09	Hansen Evert M.	United States	C
6.14.00	Dwyer Jr. John F.	United States	D	7.02.09	Brasier Clive M.	United Kingdom	D
6.14.00	Jim C.Y.	Hong Kong	D	7.02.09	Old Kenneth	Australia	D
6.15.00	Lewark Siegfried	Germany	C	7.02.10	Linit Marc J.	United States	C
6.15.00	Miller Hugh G.	United Kingdom	D	7.02.10	Futai Kazuyoshi	Japan	D
6.15.00	Khurana D.K.	India	D	7.02.10	Magnusson Christer	Norway	D
6.15.00	Cubbage Fred	United States	D	7.02.11	Shamoun Simon Francis	Canada	C
6.16.00	Haynes Richard W.	United States	C	7.02.11	Geils Brain W.	United States	D
6.16.00	Yukutake Kiyoshi	Japan	D	7.02.11	Reid Nick	Australia	D
6.16.00	Baudin Anders	Sweden	D	7.02.11	Ochocka J. Renata	Poland	D
6.17.00	Nilsson Per Olov	Sweden	C	7.02.11	Glatzel Gerhard	Austria	D
6.17.00	Bengston David	United States	D	7.02.11	Wagner Marcelo Luis	Argentina	D
6.18.00	Furuberg Gjedtjernet Ann Merete	Norway	C	7.03.00	Alfaro Rene I.	Canada	C
6.19.00	Pandey Deep Narayan	India	C	7.03.00	Baranchikov Yuri N.	Russian Fed.	D
				7.03.00	Nair K.S.S.	India	D
				7.03.01	DeBarr Gary L.	United States	C
				7.03.01	Skrzypczynska Malgorzata	Poland	D
				7.03.01	Turgeon Jean	Canada	D
				7.03.01	Yue Shu-kui	China	D
				7.03.02	Roininen Heikki	Finland	C
				7.03.02	Csoka Gyorgy	Hungary	D
				7.03.02	Sharma S.K.	India	D
				7.03.03	Day Keith	United Kingdom	C
				7.03.03	Salom Scott M.	United States	D
				7.03.04	Fraedrich Stephen	United States	C
				7.03.04	Holopainen Jarmo	Finland	D
				7.03.04	Prochazkova Zdenka	Czech Republic	D
				7.03.05	Gregoire Jean-Claude	Belgium	C
				7.03.05	Stephen Fred M.	United States	D
				7.03.06	McManus Michael L.	United States	C
				7.03.06	Kamata Naoto	Japan	D
				7.03.06	Novotny Julius	Slovakia	D
				7.03.07	Liebhold Andrew	United States	C
				7.03.07	Evans Hugh F.	United Kingdom	D
				7.03.08	Furuta Kimito	Japan	C
				7.03.08	Chen Chang-Jie	China	D
				7.03.08	Lee Ming-Jen	China - Taipei	D
				7.03.08	Yi Chang Keun	Korea (Rep)	D
				7.03.09	Cobbinah Joseph R.	Ghana	C
				7.03.09	Arguedas-Gamboia Marcela	Costa Rica	D
				7.03.09	Sudheendrakumar V.V.	India	D
				7.03.09	Macias-Samano Jorge E.	Mexico	D
				7.03.10	Knizek Milos	Czech Republic	C
				7.03.10	Forster Beat	Switzerland	D
				7.03.10	Grodzki Wojciech	Poland	D
				7.04.00	Percy Kevin	Canada	C

Division 7

7.00.00	Karnosky David F.	United States	C
7.00.00	Suzuki Kazuo	Japan	D
7.00.00	Långström Bo E.	Sweden	D
7.00.00	Tesche Manfred	Germany	D
7.01.00	Mattson William	United States	C
7.01.00	Niemela Pekka	Finland	D
7.01.01	Wingfield Michael	South Africa	C
7.01.01	Yamaoka Yichi	Japan	D
7.01.01	Harrington Thomas C.	United States	D
7.01.02	Lieutier Francois	France	C
7.01.02	Wagner Mike	United States	D
7.01.03	Rousi Matti	Finland	C
7.01.03	Hirokawa Hirofumi	Japan	D
7.01.04	Yanchuk Alvin	Canada	C
7.01.04	Bastien Catherine	France	D
7.01.04	King John	Canada	D
7.01.05	Vannini Andrea	Italy	D
7.02.00	Tomiczek Christian	Austria	C
7.02.00	Rykowski Kazimierz	Poland	D
7.02.00	Sutherland Jack R.	Canada	D
7.02.01	Delatour Claude	France	C
7.02.01	Laflamme Gaston	Canada	D
7.02.02	Laflamme Gaston	Canada	C
7.02.02	Ostry Michael E.	United States	D
7.02.02	Uotila Antti	Finland	D
7.02.03	Przybyl Krystyna	Poland	C
7.02.03	Mohanan C.	India	D
7.02.04	Hamacher Joachim	Germany	C
7.02.04	Maramorosch Karl	United States	D
7.02.04	Siwecki Ryszard	Poland	D

7.04.00	Morikawa Yashushi	Japan	D	8.04.02	Schaffhauser Horst	Austria	C
7.04.00	Scholz Florian	Germany	D	8.04.02	Frey Werner	Switzerland	D
7.04.01	Skelly John M.	United States	C	8.04.02	Noguchi Yasuaki	Japan	D
7.04.01	Linzon Samuel	Canada	D	8.04.03	Marui Hideaki	Japan	C
7.04.01	Ferretti Marco	Italy	D	8.04.03	Ochiai Hirotaka	Japan	D
7.04.02	Bucher Jürg B.	Switzerland	C	8.04.03	Shoaei Zieaoddin	Iran	D
7.04.02	Luangjame Jesada	Thailand	D	8.04.04	Puglisi Salvatore	Italy	C
7.04.02	Paoletti Elena	Italy	D	8.04.04	Scheuringer Erich	Austria	D
7.04.03	Rosengren-Brinck Ulrika	Sweden	C	8.04.04	Celik Huseyin E.	Turkey	D
7.04.03	Jones Helen	United Kingdom	D	8.04.05	Fukuoka Hiroshi	Japan	C
7.04.03	Bytnerowicz Andrzej	United States	D	8.04.05	Carreno Raul	Peru	D
7.04.04	Müller-Starck Gerhard	Germany	C	8.04.05	Deindl Karl	Germany	D
7.04.04	Prus-Glowacki Wieslaw	Poland	D	8.04.06	Göttle Albert	Germany	C
7.04.05	Weetman Gordon	Canada	C	8.04.06	Fiebiger Gernot	Austria	D
7.04.05	Augustaitis Algirdas	Lithuania	D	8.04.06	Kamai Toshitaka	Japan	D
7.04.05	Sramek Vit	Czech Republic	D	8.05.00	Stocks Brian	Canada	C
Division 8				8.05.00	George Charles W.	United States	D
8.00.00	Sassa Kyoji	Japan	C	8.05.00	Goldammer Johann Georg	Germany	D
8.00.00	Franc Alain	France	D	8.05.00	Conard Susan G.	United States	D
8.00.00	Boyle Timothy	United States	D	8.06.00	Mathur Vinod B.	India	C
8.00.00	Awang Kamis	Malaysia	D	8.06.00	Larsson Tor-Bjorn	Sweden	D
8.01.00	Klimo Emil	Czech Republic	C	8.06.00	Schwenk Sigrid	Germany	D
8.01.00	Päivänen Juhani	Finland	D	8.06.02	Askins R.	United States	D
8.01.00	King Hen-Biau	China - Taipei	D	8.06.02	Maruyama Naoki	Japan	D
8.01.00	Andersson Folke	Sweden	D	8.06.02	Gray Paul	Canada	D
8.01.01	Spies Th.	United States	C	8.06.03	Daigle J.	United States	D
8.01.01	Koop Henk	Netherlands	D	8.06.03	Wanden Stig	Sweden	D
8.01.02	Moravcik Pavel	Czech Republic	C	8.07.00	Dallmeier Francisco	United States	C
8.01.02	Brzeziecki Bogdan	Poland	D	8.07.00	Hermly M.	Belgium	D
8.01.03	Crow Thomas	United States	C	8.07.00	Szaro Robert	United States	D
8.01.03	Anko Bostjan	Slovenia	D	8.07.00	Manokaran N.	Malaysia	D
8.01.03	Godt Jochen	Germany	D	8.08.00	Scarascia Mugnozza G.	Italy	C
8.01.04	Singhakumara B.M.P.	Sri Lanka	D	8.08.00	Xu Deying	China	D
8.01.04	Kohli R.K.	India	D	8.08.01	Hager Herbert	Austria	C
8.01.06	Fineschi Silvia	Italy	C	8.08.01	Ji-Zheng Sun	China	D
8.01.06	Ne'eman Gidi	Israel	D	8.08.02	Quine C.P.	United Kingdom	C
8.01.07	Andersson Folke	Sweden	C	Publications by the IUFRO Secretariat in 2000 IUFRO World Series Vol. 9-jp: TERMINOLOGY of FOREST MANAGEMENT PLANNING (Forsteinrichtung) - in Japanese IUFRO World Series Vol. 9-en: TERMINOLOGY of FOREST MANAGEMENT PLANNING - in English IUFRO World Series Vol. 10: Forging a New Framework for Sustainable Forestry: Recent Developments in European Forest Law IUFRO News 1, 2/3, and 4, 2000 with special Congress publications Noticias de IUFRO , issues 1 and 2, 2000 Annual Report in English, French, German, Spanish			
8.02.00	Boyle James R.	United States	C				
8.02.00	Franc Alain	France	D				
8.02.00	Smith C. Tattersall	United States	D				
8.02.02	Moffat Andrew	United Kingdom	D				
8.02.02	Henry Charles	United States	D				
8.02.03	Sims Richard A.	Canada	C				
8.02.03	Campos Arce José J.	Costa Rica	D				
8.02.04	Haibara Kikuo	Japan	D				
8.02.04	Khanna P.K.	Australia	D				
8.02.05	Toro Jorge	Chile	C				
8.02.05	Calqin Raul	Chile	D				
8.02.05	Boardman Robert	Australia	D				
8.03.00	Sidle Roy C.	Singapore	C				
8.03.00	Tani Makoto	Japan	D				
8.03.00	Nik Abdul Rahim	Malaysia	D				
8.04.00	Fiebiger Gernot	Austria	C				
8.04.00	Fukuoka Hiroshi	Japan	D				
8.04.00	Marui Hideaki	Japan	D				
8.04.01	Loipersberger Anton	Germany	C				

Honours and Awards 2000

Honorary Membership

Franz Schmithüsen, Germany

Scientific Achievement Award

Per Krister Angelstam, Sweden

K M Bhat, India

Bruce Dancik, Canada

Stepan A Gensiruk, Ukraine

Jyrki Juhani Kangas, Finland

Su See Lee, Malaysia

Colin Price, United Kingdom

David D Reed, USA

Robert A Vertessy, Australia

Michael J Wingfield, South Africa

Francis Cho-Hao Yeh, Canada

Distinguished Service Award

Ulrich Ammer, Germany

Elias Apud, Chile

Robin Cromer, Australia

David George Edwards, Canada

Stephen B Horsley, USA

Hans Jöbstl, Austria

Veikko Koski, Finland

Tom Ledig, USA

Maurizio Merlo, Italy

Martin Price, United Kingdom

Risto Päivinen, Finland

Jarmo Saarikko, Finland

Walter Schönenberger, Switzerland

Robert Szaro, USA

David Whitehead, New Zealand

Abdul Rahim Nik, Malaysia

Walter Eder, Germany

Fujio Kobayashi, Japan

Outstanding Doctoral Research Award

Gangying Hui, China

Rudolf Kropil, Slovakia

Reinhold G. Muschler, Costa Rica

Volker Radeloff, USA

Jens Peter Skovsgaard, Denmark

Rahim Sudin, Malaysia

Run-Peng Wei, China

Best Poster Awards

Division 1: Staffan Jacobson, et al., Sweden

Division 2: Antoine Kalinganire, et al., Australia

Division 3: Ivor K Edwards, Canada

Division 4: Daniel Mailly, et al., Canada

Division 5: Tord Magnussen, et al., Sweden

Division 6: Karl Hognl, Austria

Division 7: Laurence G Kirton, et al., Malaysia

Division 8: Chris Phillips, New Zealand

Task Forces and Sub-Plenary Sessions:

Margarida Tomé, et al., Portugal

Certificates of Appreciation

IUFRO International Short Course on Designing

Multipurpose Resource Inventories, CATIE,

Turrialba, Costa Rica:

Miguel Caballero-Deloya

Marta Elena Núñez

Policy and Planning Committee meeting, Bariloche,

Argentina:

Dr. Tomás Schlichter

Dr. Guillermo E. Defosse

XXIst World Congress:

Dato' Dr. Abdul Razak Mohd. Ali

Mr. Shaharuddin b. Mohammad Ismail

Dr. Rusli Mohammad

Dr. Wan Razali Wan Mohd

Dr. Mohd. Zamshari Abdul Rahman

Dr. Lim Hin Fui

Dr. Mohd. Hamami Sahri

Mr. Wan Yusoff Wan Ahmad

Ms. Lucy Chong

Dr. Sining Unchi

Dr. Kamis Awang

Dr. Baskaran Krishnapillay

Dr. Marzalina Mansor

Dr. Lee Su See

Dr. Shamsudin Ibrahim

Dr. Hoi Why Kong

Dr. Azizol Abd. Kadir

Dr. Abdul Rashid Hj. Ab. Malek

Mrs. Wan Rahmah Wan A. Raof

Dr. Mohd. Dahlan Jantan

Mrs. Aziah Mohd. Yusoff

Mr. Muhammad Farid Abdul Rashid

Ms. Wong Wai Kin

Mr. Zahari Othman

Mr. Abdul Azhan Shah Idris

Mr. Abu Zahrim Ismail

Dr. Mohd Nor Mohd Yusoff

Y. Bhg. Tan Sri Dato' Kamaruzzaman Bin Shariff

Mag. Brigitte Burger

Dr. Robert Jandl

Mag. Margareta Khorchidi

Mag. Eva-Maria Schimpf

Dr. Margaret Devall

Ms. Jutta Glas

Ms. Sylvia Fiege

Mag. Gerda Wolfrum

Niels Bruun de Neergaard

Dr. Viktoria Varga

Meeting on Afforestation of First Rotation Sites, Sweden and Finland:

Dr. Anders Mattsson

IUFRO Meeting on the Nursery Establishment Operations for Difficult Sites, India:

Dr. Parvinder Kaushal

IUFRO Meeting on the Interactions Between Nursery Management and Silvicultural Operations, Alabama:

Dr. Ken McNabb

Outstanding Contribution as IUFRO Deputy Coordinator for 3.02.03 (Nursery Operations):

Mr. James Arnott

Outstanding work for and untiring dedication to IUFRO's Treasurer's Office and her tremendous support to the IUFRO Executive Board

Ms. Rita Z'berg

Long-lasting efforts and engagement in forest terminology

Dr. Karl-Hermann Simon

TABLE OF CONTENTS

Preface	1
Reports from Divisions:	
Division 1	2
Division 2	3
Division 3	6
Division 4	9
Division 5	10
Division 6	12
Division 7	16
Division 8	17
Reports from Task Forces:	
Global Forest Information System	19
Forest Science-Policy Interface	21
Sustainable Forest Management	23
Programmes and Projects:	
IUFRO's Special Programme for Developing Countries (SPDC) ..	24
IUFRO' Terminology Project SilvaVoc	25
Administrative Affairs:	
Finances	26
Membership - Admissions	30
Membership - Withdrawals	31
IUFRO Structure	32
Publications by the IUFRO Secretariat	38
Awards:	
Honorary Membership	39
Distinguished Service Award	39
Scientific Achievement Award, Outstanding Doctoral Research Award, Best Poster Award	39
Certificates of Appreciation	39

EDITORIAL

NOTE: At its meeting during the XXI IUFRO World Congress in Kuala Lumpur, Malaysia, 7-12 August 2000, the International Council of IUFRO agreed to amendments to IUFRO's Statutes concerning, among other things, the changing of the English name of the Union into International Union of Forest Research Organizations, and changes of the names of several IUFRO organs (see Preface, p. 1, para 6). However, **since this Annual Report still belongs to the office period from 1996 to 2000, the old names of both the Union and its organs are maintained here.**

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