INTERNATIONAL
ACADEMY
OF
WOOD SCIENCE

BULLETIN
2008-I

TRIENNIAL REPORT
2006-2008

www.iaws.uhp-nancy.fr/

July 2008

Executive Committee

President: Frank Beall, Richmond
Vice-President: Lennart Salmén, Stockholm
Secretary: Uwe Schmitt, Hamburg
Treasurer: Howard Rosen, Silver Spring
Past President: Xavier Deglise, Nancy

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MESSAGE FROM THE PRESIDENT

The time (June 2) has come for the change of officers. As the new President of IAWS, I would like to thank the outgoing Past President, John Barnett for his term on the Executive Committee and continuing work with the Journal of Wood Science and Technology. I would also like to express my appreciation to the new Past President, Xavier Deglise, for his leadership and hard work over the last three years. We are very fortunate to continue to have Secretary Uwe Schmitt and Treasurer Howard Rosen, both of whom have provided excellent support in our growing number of activities of the Academy. Now, we are fortunate to have added Lennart Salmén as the new Vice-President to help move us forward. Without question, the Executive Committee is the best that I have even worked with in a number of organizations.

Over the past year or so, we restructured the old Academy Board by splitting off the elected twelve members into a new Board, with a Chair, and separating the Executive Committee from it. My thanks to Alan Petty who was acting Chair during the past year, and Katia Ruel, who has been elected the new Chair. The Board has been working on the setting up of the new Certification Program (please see VP message, Bulletin 2006-I) that we hope to have underway by the end of 2008. This new program is a beginning for IAWS to provide proactive leadership in recognizing and improving the quality of wood science research throughout the world.

Group photo of the participants of the 2008 IAWS/IAWA Plenary Meeting in London

Also, we have had been recruiting new potential Supporting Members for IAWS. As the international representative of excellence in wood science, a key part of our Academy is the Supporting Members, and we will be making a special effort to increase the interaction between Fellows and Supporting Members.

Photo taken during a session of the 2008 plenary meeting in London

I started on the Executive Committee as Secretary-Treasurer in 1996, and in looking back, we have made great strides in providing services and information for the membership. Our first Plenary meeting was in 1997 in Vancouver, and was continued in 2000 in Reading as the beginning of annual meetings throughout the world. The most recent, in conjunction with the Linnean Society and IAWA, was held in London to honor John Barnett (more on this in the Past President's Message). With these plenary meetings, we have had the opportunity to meet with not only many Fellows, but other scientists with similar interests. In the process, we have gained a much better perspective of the "world of wood science" and gotten ideas from Fellows and Supporting Members on the directions that the Academy should be moving to fulfill our mission. We are especially conscious of the changes in wood science research within and between different countries.

The web page, which was developed at Nancy, has helped to move us fully into the electronic age and now all Fellows have substantial information at their fingertips. You can now find the directory, past issues of the Bulletin, information on past plenary meetings, constitution and bylaws, history, etc.

We recently changed the process to make it easier to nominate worthy scientists for potential election to IAWS. Since we are an organization that recognizes achievement rather than simply academic qualifications, the selection process is primarily directed toward mid-career or end-of-career scientists. The honor of this selection should be the ultimate fulfillment of recognition by one's peers as having reached the level of international excellence in wood science. Take advantage of the very brief nomination form on the web page to nominate a worthy peer.

In closing, I want to express my appreciation to the membership for giving me the opportunity to serve the Academy. I'll do my best to help continue to move IAWS forward.

Frank Beall/Richmond

IAWS BUSINESS MEETING, 30 MAY 2008, LONDON/UK

The meeting was called to order at 17.00 h by President Xavier Deglise. Fellows Deglise (President), Beall (Vice President), Barnett (Past-President), Rosen (Treasurer), Schmitt (Secretary), Baas, Bao, Robert Evans, Franich, Gravitis, Gray, Jeronimidis, Joseleau, Miller, Molnár, Niemz, Petty, Ruel, Salmén, Schultze-Dewitz, Uzielli, and Wimmer were present.

Fellows attending the Business Meeting

President Deglise opened the meeting at Burlington House, home of the Linnean Society of London, the world's oldest active organisation devoted exclusively to natural history in the broadest sense. He welcomed the Fellows and thanked them for attending the 2008 IAWA/IAWS Plenary Meeting, which was hold in honour of the work of our Past-President Professor John Barnett. Xavier Deglise congratulated Fellow Lennart Salmén for election as next Vice-President and wished Fellow Frank Beall all the best for his coming presidency.

Regarding the election of new Board Members, the President announced that Fellows Kamke, Nakatsubo, Saranpää and Singh were elected (brief biographical sketches of the newly elected Board Members are published in this Bulletin) for replacing Fellows H.M. Chang, Higuchi, Petty and Wallis. He thanked Alan Petty for his work for the Academy as Board Member and Interim Board Chair during the past years. It was also announced that Katia Ruel was elected as new Board Chair for the coming three years. President Deglise expressed the intention to increase the involvement of the Board in the work of our Academy.

Finally, President Deglise reported on the planning of the 2009 IAWS Meeting in Russia. Our Russian colleagues now fixed the date and developed a tentative programme for the meeting (details of the programme are given in this Bulletin), which will be held from 15-20 June in Saint Petersburg (15-17 June) and in Moscow (18-20 June).

The meeting was adjourned at 17.45 h.

Uwe Schmitt/Hamburg

IAWS EXECUTIVE COMMITTEE MEETING, 1 - 2 JUNE 2008, DERBY-KNIVETON/UK

The meeting was called to order by the President and was held in the home of our Past-President John Barnett in Kniveton close to Derby in the UK. Fellows Deglise, Beall, Barnett, Rosen, Salmén and Schmitt were present.

President Deglise and the incoming President Frank Beall opened the meeting, welcomed Fellows and thanked John Barnett for the opportunity to hold the meeting in his house.

EC first discussed the role of the Academy Board and decided to increase the involvement of the Board in the activities of the Academy. Therefore, the Board Chairperson should be an informal member of the EC and also should be included in all the e-mails between EC members.

Regarding the duties of the EC members, the action calendar was updated. President Deglise and incoming President Frank Beall agreed to exchange important electronic files.

Treasurer Rosen reported on the healthy financial situation of the Academy. Details are also published in this Bulletin. However, to cover the expected increase in costs for the international promotion of wood science in future, EC decided to increase yearly dues for Fellows and Supporting Members. New dues from 2009 on are as follows:

Active Fellows	50,- US $	per year
Retired Fellows	20,- US $	per year
Supporting Members	200,- US $	per year
Lifetime Dues	600,- US $	

Incoming President Beall indicated that he would contact the new Fellows from last year that had not paid their dues.

Results of the 2008 Board and Fellows election were thoroughly discussed. New Board Members, Fellows Kamke, Nakatsubo, Saranpää and Singh were elected for a six year term starting on 2 June 2008. There were 23 candidates for Fellow election in this year's round, from which 19 had very good results. EC finally decided to accept these 19 top candidates as newly elected Fellows. EC also discussed electronic balloting and voting. The question was raised because of a decreasing number of voting Fellows. EC hopes that an electronic system will distinctly increase the number of voting Fellows. Incoming President Beall also suggested to identify research areas, where IAWS is currently underrepresented. With this information, candidates active in these areas might be proposed for fellowship.

EC discussed organizations with good scientific reputation, which might be potential Supporting Members of IAWS. Several organizations were identified and will be contacted by the EC members. The expertise directory was briefly discussed and once again was reaffirmed in importance, especially as a resource for Supporting Members.

EC discussed the programme proposal of the Russian colleagues for the 2009 plenary meeting, which will be held from 15-20 June in Saint Petersburg (15-17 June) and in Moscow (18-20 June). As member of the organization committee, President Deglise is involved in the

organization. It is planned to distribute more detailed information on this meeting to Fellows as soon as possible on our web page and in Bulletin II-2008. The following time table was delivered by the organizing committee:

2009 IAWS Plenary Meeting in St Petersburg and Moscow
Tentative Programme

14 June: Arrival of participants in St Petersburg
15 June: Plenary session / Congress Dinner
16 June: Section sessions
17 June: Visits of institutes in St Petersburg
18 June: Arrival of participants in Moscow
18 June/17.00 h: Welcome reception at Moscow State Forestry University
19 June: Plenary session
20 June: Cultural programme in Moscow
21 June: Departure of participants

EC also discussed places for future meetings, which could take place in Munich/Germany (2010), Madison/USA (2011) and Stockholm/Sweden (2012).

Incoming President Beall reported on his activities establishing a certification committee, which is progressing well. It was also discussed of how the certification activities could be started. Potential institutes or organizations were identified.

President Deglise confirmed that Nancy would continue to support the IAWS web page and that the maintenance of the site would be €500 per year.

President Deglise gave a brief overview on the 2008 meeting in London, which was a joint meeting with the International Association of Wood Anatomists (IAWA). It was a highly successful meeting with numerous excellent contributions. The Academy Lecture with the title "Understanding Cambial Behaviour – The Key to Wood Quality" given by Fellow Barnett ideally demonstrated the close relationship between basic and applied research. Altogether 65 scientists from all over the world attended the meeting, of which 25 were Fellows; 18 of 32 oral presentations were given by IAWS Fellows.

Incoming President Beall and President Deglise finally thanked the committee members for coming and closed the meeting.

Uwe Schmitt/Hamburg

TREASURER'S REPORT - MAY 25, 2008

The details of the 2007 Treasury Report are on a subsequent page. The dues have been broken down into categories and the E is for "extra" year's payment. The net change for 2006 ($9088) was considerably more than that for 2006 ($4831) mainly because we received almost $10,000 from our IAWS Meeting in Melbourne, Australia in 2006. At the end of 2007, 116 of the 124 (94%) Active and Retired Fellows were current in their dues. Besides the current $30,000 CD, we purchased one for $10,000 at 5.2% interest rate. More of our

members are using PayPal to pay their dues, 52 of our members used this credit card method in 2007. Three of the 26 supporting members did not pay 2007 dues. We are pursing creative avenues to continue the support from these organizations.

So far in 2008, we have received payments from 20 of 26 supporting members, 36 of 47 retired members, and 48 of 76 active members. We have $22,272 in the checking account and $40,987 in two CD's from Countrywide Bank and $14 in the PayPal account. We remain financially sound, but financially limited for new programs.

If you are able, please try PayPal—the process is simple and efficient.

Howard Rosen, Silver Spring

IAWS Expenses and Revenues--Calendar Year 2007

Revenues (E – extra years paid by a member)	
Retired dues (40+ 7E)	695.00
Active dues (65 + 6E)	2,120.00
Lifetime dues (8)	3,200.00
Supporting (23 + 6E)	2,821.00
Donations (3)	9,995.60
Interest on CD	1,472.87
Total	***20,304.47***

Expenses	
Printing/mailing	5,709.13
Travel	2,932.24
Foreign bank/wire fees Chevy Chase	284.00
PayPal Fees	119.18
IUFRO Division 5 SAP Program	1,000.00
Academy Lectures (3)	1,200.00
Misc., Lapel Pins	488.50
Misc., flowers	56.11
Total	***11,779.16***

Income = $20,304.47 - $11,789.16 = ***$8,515.31***

Chevy Chase Account	
Beginning balance January 1, 2007	9,348.13
Deposits by H. Rosen	4,992.37
Incoming bank wires	12,196.60
Transfer from PayPal	2,930.00
Withdrawal – Fees	-284.00
– Expenses	-8,200.92
– Checks	-2,876.85
End Balance December 31, 2007	***18,105.33***

PayPal Account	
Beginning balance January 1, 2007	208.12
Deposits (34 active, 15 retired, 4 life)	2845.00
Transfer to Chevy Chase	-2930.00
Fees	-119.18

End Balance December 31, 2007 3.94

Total Assets

- CD Countrywide Bank **$30,000**
  -interest paid in 2007 = $.1,472.87
  -renewed to 3/1/08 at 4.9%

- CD Countrywide Bank **$10,842.76**
  -interest paid in 2007 = $534.72
  -interest is accumulated
  -acquired 5/12/07 for one year at 5.2%

Checking + PayPal Accounts = **$18,109.27**

Total Assets = **$58,952.03**

Net change **2007 – 2006** **9087.74**

2007 NEW LIFETIME FELLOWS

Vincent L.Chiang
John Kadla
Yuji Matsumoto
Todd Shupe
Junji Sugiyama
Nikolai Vedernikov
S-Y Wang
Takashi Watanabe

2007 VOLUNTARY CONTRIBUTIONS

Starting in 2001, we have provided an opportunity for Fellows to make voluntary contributions to IAWS. We thank each of these for helping to further the goals of IAWS. The following Fellows have made such contributions over the past year:

Chen-Loung Chen
Paul Cooper

We wish to offer a special thank you to the following organizations for their generous joint contribution:

- Forest & Wood Products Australia
- CRC for Wood Innovations (Australia)
- Gunns Limited (Australia)
- Ensis (Australia and New Zealand), a Supporting Member

I have examined the books of the
Treasury Account for 2007 and have found
all the details in satisfactory order.
Robert Youngs
Robert L Youngs, Fellow, IAWS
Professor Emeritus, Virginia Tech
Date February 12, 2008

2007 MEMBERSHIP REPORT

The current membership status (by dues categories) is as follows:

Lifetime: 105
Regular: 79
Retired: 46
Exempt: 54
Non-active: 36

Total Fellows: 320

Supporting Members: 26

Non-responsive Fellows: We have no Fellows who have not responded to correspondence and have not paid dues in over three years. 2007 was a good year for collecting past dues from our delinquent fellows. We thank many of our fellows for keeping these members current.

PRESIDENT'S TRIENNIAL REPORT
June 2, 2005 to June 1, 2008
by IAWS President
Professor emeritus Xavier DEGLISE

1. Introduction

When I started in 2002, as Vice-President, I was not really aware of what IAWS was. Now, six years later, looking back, I find the "short" time spent on behalf of the Academy's work to be very worthwhile. It has been an honour and a pleasure for me to serve the Academy during these three last years. But, first of all, I want to thank all the Fellows who have trusted me. I have learned a lot from all of the friendly Fellows from so many different scientific experiences and countries.

The Executive Committee, which had not changed during six years, was so helpful, with their strong expertise, that the task of the President was very easy. The Treasurer, Howard Rosen has succeeded in collecting dues, and keeping and expanding the finances of the Academy, in spite of the crazy exchange rates.

The annual meetings have been always successful, thanks to the local organizers at the University of Concepcion (Chile) in 2005, CSIRO in Melbourne (Australia) in 2006, Kyoto University (Japan) in 2007 and the last one at The Linnean Society in London late June. We had the pleasure during this special plenary meeting, thanks to the help of IAWA, to honour the scientific career of our Past-President John Barnett. We have to thank too, our Russian Fellows for the next 2009 annual meeting which will be organised by the Saint-Petersburg

State Forest Technical Academy and the Moscow State Forestry University, from 15th to 21st June 2009.

One of the main tasks which have been fulfilled was the renewal of the website. Hopefully, it helps Fellows and Supporting Members to have a better knowledge of IAWS activities.

During my presidency, some changes have been introduced: the Academy Board has an elected Chair, reporting to the Executive Committee which is no longer part of the Board. A new task has been given to the Academy Board: Certification, which was an idea of Frank Beall. The greatest change was the nomination/election process that is easier for Fellows (we have received 29 nominations for 2008) but unfortunately not for the votes (fewer ballots received from North America)!

This President's Triennial Report is written in accordance with our Academy's tradition, which was initiated by our late past President, Ted Hillis. This report serves to recollect valuable events that took place during my presidency, as well as the work that remains for us to achieve.

I would like to thank all of the Fellows for their continuous support and their nice messages during these three years. Special acknowledgement is due to the Executive Committee members (Fellows Beall, Rosen, Schmitt and Barnett). I want to thank the "Canadian" Teller's committee led by Tony Zhang, for his efficiency. Thanks to the Academy Board chaired by Alan Petty, now by Katia Ruel, and the Nomination Committee (Robert Evans and Wolfgang Glasser).

The Academy is in very good hands with the new Executive Committee and I remain at the disposal of all the Fellows interested by my experience.

2. Officers

- **Xavier Deglise**, President (France)
- **Frank C Beall**, Vice President (USA)
- **Howard Rosen**, Treasurer (USA)
- **Uwe Schmitt**, Secretary (Germany)
- **John R Barnett**, Past President (UK)

3. Academy Board (Board member retirement year)

- **R.W. Allison**, *(2010)*
  SCION, Rotorua, New Zealand,
- **K.M. Bhat**, *(2012)*
  Kerala Forest Research Institute, India
- **H. M. Chang**, *(2008)*
  North Carolina State University Raleigh, NC USA
- **O. Faix**, *(2010)*
  BFH, Hamburg, Germany,
- **B. Lachenbruch**, *(2012)*
  Oregon State University, Corvallis, OR USA
- **T. Higuchi**, *(2008)*
  Kyoto University, Japan

- **G. Jeronimidis**, *(2012)*
  The University of Reading, United Kingdom
- **S. Kelley**, *(2012)*
  National Renewable Energy Laboratory, Golden, CO USA
- **G. Meshitsuka**, *(2010)*
  The University of Tokyo, Japan
- **A. Petty**,*(2008)* ***Interim Chair***
  United Kingdom
- **K. Ruel**, *(2010)* ***New Chair***
  CNRS Grenoble, France
- **A. Wallis**, *(2008)*
  CSIRO, Australia

Elected in 2008

- **F. Kamke *(2014)***
  OSU, USA
- **F. Nakatsubo *(2014)***
  Kyoto Universty, Japan
- **P. Saranpää** *(2014)*
  METLA, Finland
- **A. Singh, *(2014)***
  SCION, NewZealand

The role of the Academy Board has increased. Being now independent from the Executive Board, his chair, Katia Ruel, has to report to the Executive Committee, where she will be normally invited. This new organisation starts under the chair of Alan Petty, who was in charge, with the guidance of Frank Beall, to start the certification activity of the Academy.

4. New Fellows

Elected in 2005 (9)

- **Wout Boerjan**
  University of Ghent/Belgium
- **Arno Frühwald**
  University of Hamburg/Germany
- **Akira Isogai**
  University of Tokyo/Japan
- **George Jeronimidis**
  University of Reading/United Kingdom
- **John F. Kadla**
  University of British Columbia, Vancouver/Canada
- **Pekka T. Saranpää**
  Finnish Forest Research Institute, Vantaa/Finland
- **Elmer L. Schmidt**
  University of Minnesota/USA
- **Luca Uzielli**
  University of Florence/Italy

- **Rupert Wimmer**
  University of Vienna/Austria

Elected in 2006 (10)

- **Michael Barnes**
  Mississippi State University, USA.
- **Colette Breuil**
  University of British Columbia, Vancouver, Canada
- **Nam-Seok Cho**
  Chungbuk National University, Cheongju , Korea
- **Paul A. Cooper**
  University of Toronto, Canada
- **Gordon James Leary**
  Silverstream, New Zealand
- **Regis B. Miller**
  Forest Products Laboratory, Madison, Wisconsin, USA
- **Gregory S. Shubin**
  Moscow State Forestry University, Russia
- **Bunichiro Tomita**
  University of Tsukuba, Japan
- **Hiroyuki Yamamoto**
  University of Nagoya, Japan
- **Wout Boerjan**
  University of Ghent/Belgium

Elected in 2007 (10)

- **Konstantin Bogolitsyn**
  Arkhangelsk State technical University/Russia
- **Byron Jordan**
  Paprican/ Canada
- **Lucian A. Lucia**
  North Carolina State University /USA
- **Shawn D. Mansfield**
  University of British Columbia/Canada
- **Sandor Molnar**
  Faculty of Wood Sciences, Sopron/ Hungary
- **Yoshiyuki Nishio**
  Kyoto University/Japan
- **Todd F. Shupe**
  Louisiana State University/USA
- **Junji Sugiyama**
  Kyoto University/Japan
- **Peter Vinden**
  The University of Melbourne/Australia
- **Takashi Watanabe**
  Kyoto University/Japan

5. Deceased Fellows

We deeply regret the loss of the following Fellows:

- **A. Björkman** (2006) Denmark
- **J. Bodig** (2007) USA
- **K. Borgin** (2005) South Africa
- **K-E. Eriksson** (2008) USA
- **F.Fischer** (2008) Germany
- **W.E. Hillis** (2008), Australia
- **W.G. Kauman** (2005) France
- **G. Leary** (2007) New Zealand
- **J.F. Levy** (2005) United Kingdom
- **K. Lutomski** (2005) Poland
- **H. Sachsse** (2006) Germany
- **A.L.Shigo** (2007) USA
- **C. Skaar** (2006) USA
- **C.I. Simionescu** (2007) Romania
- **T.E. Timell** (2007) USA
- **F.F. Wangaard** (2005) USA

6. Suspended membership

It has been decided that Membership will be suspended for Fellows who doe not pay their dues (§2, section 2, article 4 of the constitution). Their names will always appears in the different lists of Fellows, as the IAWS Fellowship is lifetime, but without their addresses, telephone, fax numbers, and e-mail.

7. Membership Distribution by Countries

Australia (12)	**Italy (1)**
Austria (4)	**Japan (38)**
Belgium (1)	**Latvia (2)**
Brazil (3)	**Mexico (1)**
Canada (26)	**Netherland (2)**
Chile (2)	**New Zealand (12)**
P. R. of China (6)	**Norway (1)**
Denmark (3)	**Philippines (2)**
Egypt (1)	**Poland (4)**
Finland (11)	**Romania (2)**
France (14)	**South Africa (1)**
Germany (22)	**South Korea (2)**
Greece (1)	**Spain (1)**
Hungary (1)	**Switzerland (4)**
India (3)	**United Kingdom (6)**
Israel (2)	**United States (89)**

8. Supporting Members (27)

• Australia, CSIRO (ENSIS) Division of Forest Products,
• Canada, FP Innovation - Forintek,
• Canada, FP Innovation - Paprican,
• Canada, Université Laval
• China, Chinese Academy of Forestry (CAF)
• Finland, The Finnish Pulp and Paper Research Institute,
• France, Cirad (Tropical Forests) Montpellier,
• France, ARBoLor, Wood Research Association, Nancy
• France, Ecole Supérieure du Bois
• Germany, Fraunhofer-Institute of Wood Research,
• Germany, Gesellschaft der Förderer des Instituts für Holzforschung,
• Germany, "Holzforschung" der Technischen Universität München,
• Germany, Johann Heinrich Von Thünen-Institute (HTB)
• India, Western Indian Plywoods Ltd.,
• Japan, Forestry & Forest Products Research Institute, Tsukuba
• Japan, Kyoto University, Wood Research Institute,
• New Zealand, Scion Group - Forest Research,
• Poland, Wood Technology Institute,
• Russia, Moscow State Forestry University
• Slovakia, College of Forestry & Wood Technology,
• Sweden, STFI (Swedish Pulp and Paper Research Institute),
• Taiwan, TFRI (Taiwan Forestry Research Institute),
• USA, Forest Products Laboratory, USDA Forest Service,
• USA, State University of New York,
• USA, University of Minnesota,
• USA, Oregon StateUniversity,
• USA, Mississippi State University

9. Academy Lecturers

2005 n°40: Helmuth Resch
n°41: Rafael Vicuna
2006 n°42: Fred Kamke
n°43: Ted Hillis (2nd Academy Lecture)
2007 n°44: Wolfgang Glasser
n°45: Kazumi Fukazawa
n°46: Xavier Deglise
2008 n°47: John R. Barnett

10. Committees

Nomination Subcommittee: J.Barnett (Chair), R.Evans, W. Glasser
Teller's Committee: Tony Zhang (Chair), C.Heitner, B.Riedl

11. Journal Editorship

Wood Science and Technology, Journal of the International Academy of Wood Science, is in progress with the new online manuscript submission and reviewing.

Editorship: Editor-in-Chief: Gerd Wegener, Co-Editor-in-Chief: J.R. Barnett, both Fellows of the Academy.

John Barnett, who has played an important role in the "new WST", is in charge of the half page of IAWS news, appearing in WST in every issue. It has reinforced the link between the Academy and the Journal.

12. Executive Committee and Business Meetings

Executive Committee meetings have taken place annually, in the northern hemisphere spring. In November 2005, it was during the Annual Plenary meeting in Conception (Chile). In April 2006, at the University Henri Poincaré in Nancy (France) and in May 2007, at the Federal Research Centre for Forestry and Forest Products in Hamburg. On the 1st June 2008 a special EC meeting took place in the home of our Past-President John Barnett in Kniveton close to Derby in the UK. During these EC meeting who are trying to move forward the Academy and answer to pending questions, such as:

- Role of IAWS
- Balance in the geographic and scientific representations
- Increasing the participation of Fellows in the Academy's life
- Administrative and financial problems
- Etc……

Business meetings are organised during the annual plenary meetings (Chile, Australia, Japan and UK). They are very useful to strength the links between Fellows, inform Fellows on the policy which is driven by the Executive Committee, and ask for criticism, proposals…After the Business Meetings, Academy Dinners are organised, even during important meetings such as IUFRO div 5 Conference when there is a good participation of Fellows. It is another informal opportunity to strengthen the friendly links between Fellows. Academy dinners have been organized in Concepcion, Melbourne, Kyoto and Taiwan.

13. Annual Plenary Meetings

Three conferences were held in Concepcion (Chile), Melbourne (Australia), Kyoto (Japan) and the last one, just before the end of the EC term in London (UK).

The 2005 meeting in Chile, was hosted, in November, by Bio-Bio University in Concepcion, namely by the Wood Engineering Department of its Engineering Faculty, under the responsibility of Prof. Jose Navarete and Prof. Cecilia Bustos for the scientific program. It was a successful meeting, jointly with the "X Reunión sobre Investigación y Desarrollo en Productos Forestales". The "South-American" attendance was important and we have had the opportunity to promote IAWS. Fellows have presented 10/56 papers and were around 25/190 participants, with companions. They all have enjoyed Chile, not only the area of Concepcion, but for some of them, the country in its extreme north and south!

Again in November, the 2006 meeting in Australia was hosted by Rob Evans and colleagues of Ensis/CSIRO, at St Hilda's College, University of Melbourne.
The "motto" of the meeting was:

Wood Science and Technology in 2100
Where do we want to be, and how can we get there?

The special event of this meeting was the start by Ted Hillis, one of the IAWS's fathers, giving a second academy lecture on "Wood Science in the Future". The scientific level of the meeting was quite high and it helped us raise the profile of our Academy. We were happy to meet all the Fellows of Australia and New Zealand who gave a very friendly atmosphere to the meeting and tours…..even under some snow when we were going to lunch in a winery outside Melbourne. A complete report, with all the presentations, has been prepared by fellow Evans for insertion on the Webpage.

The 2007 meeting was organized in Japan at the end of October, just before the IUFRO Div 5 Conference in Taipei, to allow Fellows to participate to both meetings. We were hosted in Kyoto University by Fumiaki Nakatsubo, Shu-ichi Kawai and colleagues. It was a unique opportunity for the Academy to have a Plenary Meeting in Japan, where the number of Fellows is the second largest among the countries where we have Fellows and where Wood Science has a high level of development. The Theme of the meeting was: "*Wood Science and Technology toward Sustainable Society.* A remarkable organization and the environment of the magnificent city of Kyoto have given an excellent and friendly atmosphere to the meeting, were among the 51 participants, 31 were from Japan and 20 from overseas. All the Fellows from overseas have enjoyed the Japanese life. The most complete summary of the meeting has been given by the Japanese organizers. Look at http://www.rish.kyoto-u.ac.jp/IAWS/2007/.

For 2008, the Plenary Annual Meeting has been organised just before the end of the Executive Committee's term, end of May. The meeting was organised in collaboration with the International Association of Wood Anatomists and the Linnean Society which offers a prestigious central London venue. We had a successful meeting thanks to the leadership of Fellow Pieter Baas and the assistance of IAWA General Secretary Fellow Regis Miller. David Cutler, President of the Linnean Society of London was an efficient and perfect host for this special Plenary Annual Meeting organized as a celebration of the Work of John Barnett in recognition of his outstanding contribution to Wood Science and IAWS. The key point of the meeting was the Academy Lecture "*Understanding Cambial Behaviour – The Key to Wood Quality"*given by our Past President! The attendance was important, gathering 65 participants, of which 25 were IAWS Fellows. A high number of presentations was given within the two days of this intense meeting, 13 coming from Fellows.

I thank the organizers of these annual meetings as I know that sometimes they have some doubts, considering the uncertainty that goes with waiting for registrations to come in! I thank also all the Fellows and Academy Lecturers who accept to put their presentations on the Website. One of the Academy's roles is the diffusion of high level scientific information.

14. Website

It would have not been possible to renew the Website without the financial support of UC (Frank Beall) and the expertise of the Webmaster at Nancy University, Eric Mischler assisted by Nicolas Rogier. The website belongs to all the Fellows who have to use it, criticize, modify

and give us all the information necessary to update it as regularly as possible. During the Business Meeting in Australia there was a proposal to give it a more international aspect. We have translated the two first pages in 5 different languages, thanks to the help of Fellow translators! If you want more translations, for example, German, Italian…don't hesitate to send them to the Webmaster.

15. Membership Issues

The current membership status (by dues categories) established by our Treasurer Howard Rosen, is as follows:

Lifetime: 101
Regular: 79
Retired: 44
Exempt: 54
Non-active: 35

Total Fellows: 313

Supporting Members: 26 (Five new supporting members have been elected but one from India has disappeared).

Thanks to the Treasurer, we have no Fellows who have not responded to correspondence and have not paid dues in over three years. 2007 was a good year for collecting past dues from our "delinquent Fellows". We thank many of our Fellows for keeping these members current.

The number of young Fellows is increasing with the nominations/elections of the last years. We are more and more fulfilling the remark of Fellow R.W. Kennedy in Bulletin I-1999: *"Let's all recognize that it is equally valuable to have younger, producing Fellows in the prime of their professional and scientific careers as it is to have older Fellows already laden with honors and recognition"*.

With the new nomination procedure the number of nominees has increased: 27 for this year. We had normally around 13 nominations reaching some years 20. Unfortunately the number of voting Fellows has decreased in 2008, remarked Tony Zhang, Chair of the Teller's Committee: "….*this year we have received fewer ballots (c. 60 ballots) than previous years (c. 70-80 ballots). Also, it appears that Fellows from Japan and Europe are more active in casting their ballots than those in North America"*.

16. Financial

Thanks to our Treasurer Howard Rosen, the finances of the Academy remain in a healthy state. The balance at the end of 2007 being = $58,952.03, compared with $40,812.08 at the end of 2004. The Net change 2007 – 2006 is 9087.74, in spite of increasing expenses for travelling due to the retirement of some EC members. Voluntary contributions have been helpful during this EC term.

17. Voluntary Contributions

Starting in 2001, we have provided an opportunity for Fellows to make voluntary contributions to IAWS. We thank each of these for helping to further the goals of IAWS. The following Fellows have made such contributions:

In 2006

- **Brian Butterfield**
- **Robert Hanna**
- **Jerry Saeman**
- **Robert Youngs**

In 2007

- **Chen-Loung Chen**
- **Paul Cooper**

We wish to offer a special thank you to the following organizations for their generous joint contribution:

- **Forest & Wood Products Australia**
- **CRC for Wood Innovations (Australia)**
- **Gunns Limited (Australia)**
- **Ensis (Australia and New Zealand),** a Supporting Member

Nancy, 20 June 2008

Xavier Deglise
Past-President

ACADEMY LECTURE JOHN BARNETT

Presented during the 2008 IAWS/IAWA Plenary Meeting in London/UK, May 30, 2008

"Understanding Cambial Behaviour - the Key to Wood Quality"

Abstract
All wood is produced by the vascular cambium. Variability in wood properties is caused by variability in structure, reflected in differences in wood anatomy and in the structure of cell walls, particularly the walls of fibres and tracheids. Although the wood anatomy of a particular species is genetically determined and predictable in a tree growing under benign conditions, this does not prevent variation being imposed to some extent by environmental stress. The structure and composition of fibre and tracheid walls may be similarly altered depending on growing conditions. In hardwoods, anatomical variation reflects such things as a change in the proportions of cell types produced by the cambium and in the amount of growth undergone by the derivatives before their final dimensions are fixed by secondary wall formation. Variation in secondary wall structure is manifested as changes in the pattern of deposition and the composition of cell wall components such as lignin and cellulose. It is therefore self-evident that understanding the behaviour of the cambium and the development

of its derivatives holds the key to understanding at least some of the processes of wood formation and how these affect the structure and quality of wood produced. One approach to this problem, dating back to the seventeenth century but still relevant today, has been the use

President Deglise hands over the AL certificate to Past President John Barnett

of microscopy to investigate the fine structure of the vascular cambium and its xylem derivatives. This lecture will consider what microscopy has revealed about the structure of the cambium; the differences between dormant and active cambium and the changes taking place on reactivation at the start of the growing season; the structure of developing xylem elements, and the role of plasmodesmata and the symplasm in differentiation.

NEWLY ELECTED BOARD MEMBERS

Frederick A. Kamke

Frederick A. Kamke, PhD, holds an endowed professorship as the JELD-WEN Professor of Wood-Based Composite Science, Department of Wood Science and Engineering, Oregon State University, Corvallis, Oregon, USA. Dr. Kamke's research specialization is heat and mass transfer in wood and wood-based products, with emphasis on adhesion science, modeling, and the manufacture and performance of wood-based composite materials. He is the author of over 200 technical publications and presentations and he has been involved in numerous international research collaborations in Europe, Asia, New Zealand, and North America. Dr. Kamke was previously the founder and Director of the Wood-Based Composites Center, which is an industry and university consortium working to provide research and instructional services to the wood-based composites industry. He was also the founder and previous Director of the Sustainable Engineered Materials Institute, an interdisciplinary research center at Virginia Tech in Blacksburg, Virginia, USA. Dr. Kamke has taught college level courses in physical and mechanical properties of wood, wood anatomy, wood-based composite manufacture, drying of wood, wood and water relationships, durability of wood products, and adhesion of wood. He also regularly teaches short-courses developed for the

wood-based composites industry, and is currently coordinating the development of a distance education program to be delivered via the Internet. Dr. Kamke is a lifetime Fellow in the International Academy of Wood Science, serves on the editorial board for *Wood Science and Technology*, and was previously president of the Society for Wood Science and Technology.

Fumiaki Nakatsubo

Professor Fumiaki Nakatsubo is a Professor at the Division of Forest and Bioomaterials Science in the Graduate School of Agriculture, Kyoto University. His first degree was BSc in Forestry at Gifu University in 1968, followed by an MSc in Agricultural Chemistry at Nagoya University in 1971. He took his PhD at Kyoto University in 1983, where the subject of his thesis was "Enzymic Dehydrogenation of *p*-Coumaryl Alcohol and Syntheses of Oligolignols" under the supervision of Professor Takayoshi Higuchi.

From 1975~1977 he was a Research fellow at the Department of Chemistry, Harvard University working with Professor Yoshito Kishi on the total synthesis of mitomycins. In 1980 he spent a year as Research Fellow at the Forest Products Laboratory ,U.S. Department of Agriculture in Madison, working with Dr. T. Kent Kirk (a Past President of the Academy) on the biodegradation of lignins. In 1981 he was appointed Associate Professor at the Department of Wood Science & Technology, Faculty of Agriculture, Kyoto University, working on the chemistry of cellulose and other forest products, a post he held until being made full Professor in 1995.

He has been a Fellow of the Academy since 1991 and is a member of the board of directors of the Japan Wood Research Society (1991~1992, 2000~), the Cellulose Society of Japan, (1996 ~), and the Wood Technological Association of Japan , (2000 ~). He is an editorial board member of the Japan Wood Research Society , (1991~1994), and Cellulose, (2000~). He has been Vice President (2003-4) and President (2005-) of the Cellulose Society of Japan. He is also a member of The Society of Fiber Science and Technology, Japan; Japan TAPPI; The Chemical Society of Japan; The Society of Synthetic Organic Chemistry, Japan; The Society of Polymer Science, Japan.

Among his awards received are:

- The Japan Wood Research Society Prize for academic achievement on chemical synthesis of oligolignols and their biodegradation in (1983)
- The Cellulose Society of Japan Award for academic achievement on substituent effects on glycosylation and chemical synthesis of cellulose (1996)

His current research interests are in the chemical synthesis of natural polysaccharides and their function; the chemical structure of natural polyphenols and their properties; the chemical structure of the extractives found in tropical wood species and their utilization, and the chemical surface-treatment of the regenerated cellulose fiber.

Pekka Saranpää

Dr. Saranpää works at the Finnish Forest Research Institute (METLA). He has successfully combined plant anatomy, wood physics and chemistry and wood technology in his research. Dr. Saranpää has been a coordinator of two multidisciplinary research consortia of the "Wood Wisdom" forestry cluster research programme and he was a coordinator of a joint Swedish-Finnish research consortia "Impact of forest management and climate on tree structure and wood quality". He has significant funding from different foundations and from the Academy of Finland for wood material research. He has been also a council member of the International Association of Wood Anatomists, coordinator of the wood quality group 5.01 of IUFRO and he has actively participated in European collaborative projects. In particular he has acted as deputy chair in two European COST Actions and served on the Management Committee of

several others related to wood and fibre properties. In the past he has worked on control of wood properties by tree breeding and silviculture; utilization of Finnish wood species in buildings; properties, quality and measurement of wood raw materials in relation to the intensity of forest production; quality variation and sorting of pulpwood, and structure/property inter-relationshiops in wood. His main current research interests are juvenile wood formation and heartwood formation in conifers, wood raw material properties, and the effect of climate change and environmental factors on wood structure and chemistry. He has authored or co-authored fifty peer-reviewed papers and a similar number of reports and articles since 1994.

Adya P. Singh

Dr. Adya Singh began his carrier in wood science research 28 years ago at New Zealand Forest Research Institute (now SCION) where he is presently a senior scientist..Dr. Singh has a wide background in wood science, with recognised expertise in wood and fibre ultrastructure. He has been recognised and aptly rewarded for his outstanding research contributions in wood science both nationally at SCION and in New Zealand and internationally. Some examples of the awards/honours bestowed upon him over the years are: David Henry award from New Zealand Forest Products Limited (1986); Ron Cockcroft award from the International Research Group on Wood Preservation (1991); New Zealand Forest Research Institute's inaugural (1994) and subsequent (2003, 2005) science awards; Elected Fellow of the International Academy of Wood Science (1996); ISAT (International Science and Technology) Linkages awards through the Royal Society of New Zealand (1997, 1998, 2000, 2004), Brain Pool Scientist award from Korea Science and Engineering Foundation (2001); JSPS (Japan Society for the Promotion of Science) Short-term Invitation Fellowship (2005); Shorland Medal (a top New Zealand science medal) . Dr. Singh's reputation as an effective science communicator has been the basis for the numerous invitations he has received over the years for keynote presentations at international conferences and lectures and seminar presentations at leading research institutes and universities. Dr. Singh's international collaboration has taken him to several countries where he has spent varying periods of time as an invited guest researcher: Swedish University of Aricultural Sciences (1986, 1992, 1999-2000, 2000-2001); German Federal Research Centre of Forestry and Forest Products (1996, 1998, 2000, 2004); Kyoto University (1996); Forest Research Institute-Malaysia (2000); Chonnam National University in Korea (Brain Pool Scientist, 2001-2003), Kyushu University (JSPS Short-term Invitation Fellow, 2005).Dr. Singh's research reputation has attracted many overseas scientists to his laboratory (from Germany, India, Japan, Malaysia, South Korea, Sweden, Thailand) who have stayed in his laboratory to train or undertake collaborative research, some visiting several times over a number of years.

Over the years Dr. Singh has actively participated in the activities and growth of key professional societies at both national and international levels. Here are some examples: Vice-President (1995-1997) and President (1997-1999), Microscopy New Zealand; Editorial Board and Council Member, International Association of Wood Anatomists (2000-2006); Advisory/Editorial Board Member, Holzforschung (2004-2008); Editor-in-Chief, World Journal of Agricultural Sciences (2006-2009); Regional Editor-in-Chief, Global Journal of Biotechnology and Biochemistry (2006-); Deputy Coordinator of the IUFRO-Division 5's Wood Protection Group (2001-). As a Fellow of IAWS since 1996 Dr. Singh has actively sought to advance the aims and functions of IAWS in a number of ways, including regular nomination of deserving scientists from around the world for the fellowship of IAWS. Dr. Singh's research and publications span over a wide spectrum of wood science, with a particular focus on using fundamental knowledge from his cell wall structure studies to help advance developments in producing and evaluating high value products. His work has been

published in the leading wood science and related journals, cementing his position as world leader in wood ultrastructure research. Wood biodegradation and wood-coating interactions are some of the areas of his pioneering studies that have proved of much value also to industries. Following is a summary of his research outputs: journal/proceedings publications 213; technical papers/reports/abstracts 270; conference presentations (majority at international conferences) 153; Total 636.

NEW SUPPORTING MEMBER

Chinese Academy of Forestry

Located at the foot of Yuquan Hill in the northwestern suburb of Beijing, the Chinese Academy of Forestry (CAF) was founded on October 27, 1958. Its predecessor can be traced back to the Forest Cultivation Experimental Farm of the Ministry of Agriculture and Forestry established in 1912 by the Northern Government. CAF was once merged with Chinese Academy of Agricultural Sciences in the 1970s before its restoration to independent status in April 1978. The Chinese Academy of Forestry is a multi-disciplinary, comprehensive, and public interests research institution affiliated with the State Forestry Administration. The academy has 12 research institutes, 4 experimental centers, and 3 research and development centers, which are located in 10 provinces of China. Its main tasks are as follows: to be principally engaged in forest research of applied sciences while conducting research of applied basic sciences, high and new technology, developmental research, and research of soft sciences; to address the scientific and technological issues that impact overall, comprehensive, crucial, and fundamental issues, as well as to serve the needs of forestry modernization. Research interests cover all forestry-related subjects, including basic research on seeds, seedlings and forests, forest plants, insects and animals, forest pest control, forest ecosystems, forestry inventory and management, wood industry, chemical processing of forest products, wood pulp and papermaking, utilization of forest products, and application of new and advanced technologies, such as gene engineering, biotechnology, remote sensing, geographical information systems, global positioning systems, systems engineering, and information networks.

Since its founding in 1958, CAF's scientific and technological level has been remarkably improved and its comprehensive strength has been increasingly enhanced. As a result, CAF has become a national forestry research institution with basically complete disciplines, numerous qualified professionals, and excellent research facilities.

The staff of CAF is efficient, of a high level, and well organized. The number of scientists and technicians is 1636, with 667 senior researchers, 113 doctoral and master instructors, 3 academicians of the Chinese Academy of Sciences, and 2 academicians of the Chinese Academy of Engineering. CAF is entitled to conferring the doctorate in 8 subjects and the master's degree in 13 subjects. So far, 8 key ministerial laboratories, which are open to the public, and 2 national research centres of forestry engineering technology have been established.

CAF is the principal implementing and organizing institution for important forestry research projects. By the end of 2000, CAF had produced a total of over 1000 scientific and technological results and published over 200 different monographs and translated books. Since 1978, over 500 awards for different achievements have been obtained. Over 70% of the scientific and technological results have been extended and applied to production, and it has produced remarkable economic, social and ecological benefits.
CAF has become an international forestry research institution by in-depth system reform, optimization in the deployment of resources, improved creative ability, and strong integrated capacity.

WOOD SCIENCE AND TECHNOLOGY JOURNAL – IAWS NEWS

Wood Sci Technol (2008) 42:93

IAWS NEWS

Election of Fellows to IAWS

Published online: 8 February 2008

Readers of Wood Science and Technology have expressed an interest in the process through which wood scientists are elected Fellows in IAWS. The general process for this is explained in the Constitution (http://www.iaws.uhp-nancy.fr/constitution) as follows:

• Fellows shall be wood scientists who are elected as actively engaged (or who are retired from an active career) in wood research in the broadest sense, their election being evidence of high scientific standards.

• New Fellows are nominated and evaluated by Fellows. The Executive Committee determines the number of nominees to be accepted as Fellows each year based on those evaluations. Members of the Executive Committee are prohibited from nominating Fellows while in office.

The process begins by a call by the President for Fellows in good standing to nominate candidates with a brief description of their qualifications. After consultation with the Executive Committee, the President contacts the candidates and invites them to submit their credentials. Following the deadline of December 31, the Secretary sends out the information on the nominees to the membership for balloting. After the close of balloting, the Executive Committee evaluates the relative scores and determines the level at which nominees will be invited to accept membership. It should be emphasized that the process of nomination and election is strictly performed by Fellows of IAWS. The current membership in IAWS is 310 with an average of 10 new Fellows elected per year. The distribution of membership can be found on the IAWS web page: http://www.iaws.uhp-nancy.fr/distributionfellows.

Frank Beall
Vice-President

Published online: 5 March 2008

IAWS NEWS

IAWS plenary meeting 2008

The 2008 meeting of the Academy will take place at the Linnean Society of London, Burlington House, Piccadilly, London on 29th and 30th May. Together with IAWS the meeting is sponsored by the Linnean Society of London and International Association of Wood Anatomists. The local organiser is Professor David Cutler, President of the Linnean Society. The meeting has been organised in honour of John Barnett, FLS, Past President of the IAWS and active IAWA Member. Professor Barnett retired some years ago from the University of Reading following a very productive career as developmental plant anatomist, overall wood scientist, and successful science administrator and editor. At this joint meeting a number of John's colleagues and friends will review recent developments on his pet subjects in wood science and plant development such as cell wall ultrastructure, the cambium, reaction wood, and various applied aspects of wood anatomy. John Barnett himself will present the prestigious Academy Lecture of the IAWS. In addition, the program caters for a wide range of contributed papers and posters on xylem by members and fellows of the three organizing societies. For registration and submission of contributed papers (each 15 minutes, including 3 minutes for discussion) and posters, please visit http://www.linnean.org/index.php?id=226.

Details may also be found on the Academy website. NB. Since the number of poster boards and contributed papers is limited to 20 each, submissions will be accepted until all slots are full.

Vice President
Frank Beall

Published online: 29 February 2008

IAWS NEWS
International Academy of Wood Science: Supporting Members

Since its formation in 1966, IAWS has not only elected Fellows, but has also recognized organizations that have an active interest in the field of wood science. Typically, the Executive Committee identifies potential Supporting Members, and invites them to apply for membership by submitting a statement outlining the objectives of the institution, its wood science program, and a list of relevant publications for the most recent 3 years. The application is reviewed and voted on by the Academy Board and the Executive Committee. As pointed out in the Bylaws, the importance of Supporting Members to the Academy is twofold:

• The Academy derives direct contact with organizations and individuals actively engaged in research and development on the utilization of wood and wood products.

• The Academy receives financial support for its activities from these members. The yearly dues, typically US $100, have been unchanged since the formation of IAWS.

Each Supporting Member is invited to select a non-voting Representative, who does not have to be a Fellow, and who may participate in all activities in IAWS. The Supporting Member also receives all IAWS publications. The yearly Plenary meetings of IAWS are quite often held in conjunction with a Supporting Member in that country. There are currently 26 Supporting Members, and several pending. The countries represented include: Australia, Canada, China, Finland, France, Germany, India, Japan, New Zealand, Poland, Republic of China, Russia, Slovakia, Sweden, and United States.

Frank Beall
Vice President

Published online: 29 April 2008

IAWS NEWS
New Vice President

Professor Lennart Salmén has been elected as the new Vice President of the Academy. He is currently Research Manager of Fibre and Material Science as well as Deputy Director for the Department of Fibre, Pulp, Energy and Chemicals of STFI-Packforsk AB in Stockholm, Sweden. He was educated at KTH, the Royal Institute of Technology, in Stockholm, where he received his PhD in the subject of ‘‘Temperature and Water Induced Softening Behaviour of Wood Fibre Based Materials’’. In 1978–79, he was a Research Fellow at PAPRICAN, Montreal, Canada. He was appointed Docent, Associate Professor, in Paper Technology at KTH, Stockholm, in 1987, and subsequently Professor in Wood Technology, Fibre Science, Paper Technology and Mechanical Pulping. He was elected Fellow of IAWS in 1996. His

research has been mainly devoted to the understanding of the relationship between the properties of the polymeric constituents of wood and the macroscopic properties, mainly mechanical, of fibre, wood and paper materials. He is the author of more than 150 reviewed scientific papers in the field of fibre, wood and paper physics and the Editor of five books. Among other things, he has published studies of softening phenomena, cell wall properties, micro-mechanical modelling, water interaction, mechano-sorptive creep, dimensional stability, fatigue of wood, and mechanical and chemi-mechanical pulping. Much of his work has been devoted to the interaction of cellulosic material with moisture, where his development of moisture-induced dynamic FTIR has given new insights. From 1993 to 1995, he served as Secretary, Vice Chairman and Chairman of the Tappi Paper Physics Committee. He has been very active in the area of wood mechanics within EC COST actions trying to bridge the knowledge gap between wood and paper technology. This has led to the formation of the European Society of Wood Mechanics, ESWM, in 2000, of which he is Vice-Chairman. Since 2004, he has served on the board of the Wood Ultrastructural Research Centre, WURC, in Uppsala.

John Barnett
Past President of IAWS

MARCUS WALLENBERG PRIZE 2008

April 18, 2008

Announcement 2008 Marcus Wallenberg Prize

The Marcus Wallenberg Foundation proudly announces that the 2008 Marcus Wallenberg Prize is awarded to Prof. Bjarne Holmbom and Mr. Christer Eckerman, Åbo Akademi University, Åbo, Finland, for their breakthrough research and innovation creating a platform for large-scale separation, isolation, purification and applications of chemical components in wood.

The Laureates have created an understanding of the fundamental chemistry of spruce tree knots, i.e. the part of the branches that is embedded in the stem. They developed technical separation methods to extract tree knots from the pulping process and to isolate and purify chemicals from the tree knots, opening the field for many potential applications and uses. An example is hydroxymatairesinol (HMR) as a human dietary supplement.

The selective removal of knots from the pulping process brings opportunities for additional benefits by reducing process disturbances, reducing the use of bleaching chemicals and energy, and allowing more consistent quality of the paper products to be produced.

By methodical research of the highest quality, the Laureates have significantly contributed to creating a platform for the forest products industry to improve and broaden its role and commercial prospects with a range of new products and implications e.g. for chemicals, energy, production efficiency and sustainability.

Background

Professor Holmbom has concentrated his research at the molecular level to gain understanding of the complex chemistry involved in paper making. His key expertise relates

to versatile applications of wood chemistry, with special focus on wood extractives, and innovations based on interactions between chemistry and process. Professor Holmbom's special interest in recent years has been the rich source of lignans in tree knots and stemwood. The easily extracted lignans may be used as active components in e.g. functional foods and organic biocides.

Based on an original idea by Mr. Eckerman, a technical method for the separation of knots from oversized chips was developed and patented. The method is based on the known fact that oversized chips are rich in dense knot-containing wood. This chip fraction is ground to splinters which are dried and then sedimented in water; the knotwood material sinks and is collected. The floating normal stemwood can also be collected and used in the pulping operation.

Following the original discovery, Holmbom and co-workers have also further promoted lignans and other extractives present in various wood species in a large number of publications. A wider selection of spruce trees taken from various locations as well as pine and fir species have been analysed and the amounts of numerous compounds have been determined in knotwood and stemwood. Many of the extracts that have been isolated have also been tested for their antimicrobial activity. More recently, the possibility of using HMR as a base compound for the production of other valuable lignans has been explored.

Bjarne Holmbom and Christer Eckerman

Professor Bjarne Holmbom was born 1943. His research areas are wood and paper chemistry and his PhD thesis was presented 1978 at Åbo Akademi University. Since 1981 he has held different professorial chairs at this university, as well as several research positions financed by the Academy of Finland. Furthermore, Holmbom has been visiting professor in Canada, USA and France. Prof. Holmbom was elected Fellow of the IAWS in 1987.

Mr. Christer Eckerman (M.Sc.), born 1948, is a senior researcher in the group of Holmbom. He has been actively involved in all parts of the awarded research. The developed industrial separation method, paving the way for a large-scale production of the chemical components in wood, originates from Eckerman.

Fellow Bjarne Holmbom and Christer Eckerman

NEWS OF FELLOWS

2nd Generation Ethanol Expert Selected to Hold Inaugural Alternative Energy Chair at Chalmers University

Arthur Ragauskas, Professor at the Georgia Institute of Technology, has been selected as the first holder of the Fulbright Distinguished Chair in Alternative Energy Technology at Chalmers University. The award includes a stipend of $125,000, one of the largest in the 60-year history of the Fulbright Program. Funding support for the Distinguished Chair is being provided to the Fulbright Commission for Educational Exchange between the United States and Sweden by Marianne och Marcus Wallenbergs Stiftelse.

The Fulbright Distinguished Chair in Alternative Energy Technology has been created as part of the U.S. Embassy's One Big Thing initiative, fostering alternative energy cooperation between the U.S. and Sweden. "My work will contribute to innovative green chemistry sustainable technologies for the conversion of woody biomass to biofuels, bioenergy and in the next generation of biorefineries," said Dr. Ragauskas. "This will be accomplished by bringing together the best students, businesses, and academicians in the United States and Sweden to address the global bioenergy challenge of this millennium."

Chalmers University was selected to host the new position because the University is increasing its efforts in the area of developing fuels and chemicals from renewable resources. This development is driven by the need to conserve energy and a desire to produce more value-added products from wood and wood waste. Wood can be a source for fuel, plastics and advanced chemicals, as well as paper and lumber.

Michael Wood, U.S. Ambassador to Sweden, and Chalmers President Karin Markides led the effort to create the new Fulbright Chair. Ambassador Wood said, "Senator Fulbright's intention was to promote international good will through the exchange of students and professors. He may not have foreseen the issue of global warming or the importance of bioethanol, but his vision is alive and well in this new program. Dr. Ragauskas was selected from among a field of highly qualified applicants. I'm excited about the possibility that while at Chalmers, Professor Ragauskas may work on a technology breakthrough that allows people to drive cars on 2nd generation ethanol from non-food sources."

This Fulbright Chair will provide Dr. Art Ragauskas the opportunity to share his internationally recognized expertise in lignocellulosic biofuels with Swedish and international students, postdoctoral research fellows and faculty. He will develop a Swedish-American network to address society's need to develop sustainable cellulosic biofuels and bioenergy. These interactions will be pursued by participating in formal classroom discussions, industry workshops, school presentations, and the development of unique web-based learning resources, including pod-casts. Dr. Ragauskas will be based in the Forest Products and Chemical Engineering department at Chalmers.

"My academic and research career has benefited from President Bush and his administration's vision and support of bioethanol," said Professor Ragauskas. "I am honored and humbled to now be able to expand this vision beyond Georgia Tech and the southeast U.S. to Sweden and Scandinavia."

Arthur Ragauskas is a Fellow of the International Academy of Wood Science and TAPPI. His research program at Georgia Tech is seeking to understand and exploit innovative sustainable bioresources. This multifaceted program seeks to develop new and improved applications for nature's premiere renewable biopolymers for biofuels, biopower and biomaterials. Ragauskas has published more than 220 papers, patents and conference proceedings. He has served on several advisory boards and review panels, including: European Commission Research Directorate; National Science Academy; J. Paul Getty Trust; Swedish Foundation for Strategic Research; VTT Technical Research Centre of Finland; and the Finnish Academy of Science. Ragauskas has been an invited visiting professor at Universidade da Beira Interior, Portugal; Chalmers University of Technology, Sweden; Royal Institute of Technology, Sweden; and South China University of Technology, China.

Embassy of the United States of America
Dag Hammarskjölds Väg 31, SE-115 89 Stockholm
United States Embassy Stockholm
Press Release - May 23, 2008

OBITUARIES

Gordon Leary (1940-2007)

Fellow Gordon Leary died in Wellington, New Zealand, on 8 December 2007 after a short illness. Gordon's professional career was spent in the area of wood, pulping and bleaching chemistry. He had an advanced overall grasp of his subject, and was a very creative thinker. These characteristics and his warm personality made him widely respected by all in the wood chemistry fraternity. Gordon studied Chemistry at Canterbury University in Christchurch, NZ, graduating BSc in 1961, MSc with first class honours in 1962, and PhD in 1965. His doctoral thesis was a study of the ionic dissociation of phenols, which sowed the seeds for his life-long interest in phenolic polymers in wood, notably lignin. In 1991 he graduated from Massey University in NZ with an Executive MBA. He was elected Fellow of the IAWS on June 2006 He joined the Chemistry Division of the DSIR in Petone, NZ, in 1965, and rapidly gained international recognition for his work on the yellowing of paper, which he found was directly correlated with lignin photochemical conversions. He next discovered the process of photochemical demethylation, and concurrently that photochemically-induced quinoid

structures were formed in wood. This ultimately revealed how such photochemical reactions lead to both yellowing of wood and degradation of its properties. His findings were published in the leading journal *Nature*. Between 1967-69 Gordon spent two productive postdoctoral years in the laboratory of Sir George Porter, at The Royal Institution, London, joining him the day after Sir George received his Nobel Prize in Chemistry. He began employing emerging technologies such as flash photolysis to study formation of short-lived quinonemethide intermediates. This was subsequently applied to the monolignol coniferyl alcohol which led to the understanding of its photochemistry, and to the development of a theory on lignin "aging" in woody tissue, and thus to the beginnings of the study of yellowing reactions in pulp and woody tissue. These studies ultimately led to the understanding that lignin-derived yellowing of pulp/woody tissues occurs *via* three pathways, *viz* generation of phenoxy radicals, excitation of carbonyl groups and formation of ketyl radicals. This in turn paved the way for generating strategies for minimizing such processes during pulp and paper manufacture. Gordon returned to the DSIR in various leadership roles, ultimately becoming Director of the Chemistry Division from 1981-92, when the DSIR structure was dismantled. He was responsible for a staff of over 300 in five centres. It was a period of renewal and expansion, and Gordon proved to be an inspiring leader of the group. In spite of his administrative duties he was able to keep up his research interests, including oxidative coupling of phenols, defining reactions of anthraquinone with quinonemethides, examining how the formation of lignin-carbohydrate bonds can occur, determining the significance of stilbene structures in mechanical pulp bleaching, as well as the development of strategies to remove α-hydroxyl groups in lignins. In 1977-78 he accepted an invitation to work with Knut Kringstad and Ulla Westermark at the Swedish Forest Products Research laboratory in Stockholm on the exacting topic of investigating the composition and morphological distribution of lignin in spruce and birch cell walls. Another component of his research at DSIR, done in collaboration with Roger Newman, largely utilized solid state ^{13}C nuclear magnetic resonance spectroscopy for examining chemical structures in wood and pulp. This approach provided numerous insights into the chemical basis of woody tissue differences, e.g. of latewood *versus* earlywood, bark, phloem etc, including that of morphological differences within the same cell type; how non-lignin components, *e.g.* tannins, can be incorporated into lignins during Klason lignin isolation; the basis of differing reactivities of syringyl versus guaiacyl structures in lignin, as well as in more fully defining the nature of condensed lignin remaining in pulp during pulping. Following the demise of the DSIR in 1992, Gordon was appointed Principal Scientist at Paprican, in Pointe Claire, Quebec, Canada, a position he held until 1996. Between 1993-96, he also held the position of Executive Director of the Canadian Mechanical Pulps National Network of Centres of Excellence. The Network was a nation-wide research association formed to enhance the properties and value of mechanical pulps, and in 1996 it was made up of 17 centres, including 15 universities, studying many aspects of chemistry, physics and engineering of mechanical pulp refining, bleaching, yellowing inhibition, pulp processing, process control and recycling. The Network achieved the highest rating from the Canadian government, largely due to Gordon's excellent leadership. Gordon's own contributions were in the definition of the chemical basis of darkening reactions of TMP/BTMP during alkaline bleaching, and in understanding the reactions of various phenolic compounds within wheat straw during pulping and to the development of novel bleaching procedures to remove same. These are all related to his lifelong commitment to either photochemistry or chemically-induced colouration reactions involving plant-derived phenolics, and how these can be minimized during processing. In 1996, Gordon moved to Edmonton as the Business Unit Manager , Pulp and Paper, for the Alberta Research Council, a position he held until returning to New Zealand in 2001. During his tenure, he built up the Unit from a staff of 8 with minimal equipment to that of 24 with pilot facilities for pressurized refining, chip production and impregnation, papermaking, pulp and paper testing, coating,

print quality evaluation and sensor development. Most of the work was in mechanical pulping and bleaching, process control, and papermaking with aspen TMP and CTMP and northern softwoods. The Unit was very successful in developing a range of sensors for improved control of mill processes, and in attracting contract work worldwide. From his New Zealand base, he maintained his contacts as an Emeritus Scientist with the Alberta Research Council, and as a consultant and referee. In 2005-2007 he spent several months with Ulla Westermark's research group in Umeå, Sweden, as a consultant to their program on utilization of acid hydrolysis lignin. In 2005, Gordon was the Program Chairman for the 13th International Symposium on Wood, Fibre and Pulping Chemistry, hosted by Appita in Auckland, NZ. He was a Fellow of the New Zealand Institute of Chemistry, a member of the Editorial Board of the international journal *Holzforschung* for many years, a Member of Appita, serving on the Editorial Board, and of PAPTAC in Canada. He was the Conference Chairman for the 9th ISWPC held in Montreal in 1997, and an invited speaker at the 14th ISWFPC n South Africa in 2007. His work resulted in about 90 publications on wood, lignin, bleaching, pulping and quinonemethide chemistry, and lignin-carbohydrate bonding. He has one patent for the use of oxygen for TMP bleaching. Gordon had a lifelong interest in the outdoors, natural history, tramping, cycling and orienteering, and had traveled widely with his family. At the time of his death, he was the Vice President of the Wellington Botanical Society, and an active member of the Ornithological Society of New Zealand. He will be sorely missed by all those he associated with. He is survived by his wife, Sheelagh, sons Simon and Stephen, daughter Janet and grandson Jack.

Adrian Wallis, Clayton South

William Edwin (Ted) Hillis (1921–2008)

Dr. William Edwin (Ted) Hillis died of a heart attack on 3rd February 2008, after a short stay in hospital. Ted Hillis was born on 9th February 1921 in Geelong. After graduating from Geelong High School, he studied Industrial Chemistry and gained a Diploma in 1939 at the Gordon Institute of Technology. During World War II, he worked as a control chemist in the Coal Gas Industry. In 1942, Ted Hillis joined the Division of Industrial Chemistry, Commonwealth Scientific and Industrial Research Organization (CSIRO) as a Technical Officer. He commenced his first research work on isolating mannitol from *Myoporum*

platycarpum wood. He was transferred to the Division of Forest Products, CSIRO in 1947. At the same time, he continued to study part-time at the University of Melbourne, where he was also a Resident Tutor at Queen's College. Ted Hillis obtained his Bachelor of Science degree in 1947, followed by a Master of Science in 1951. During 1954–1956, Ted Hillis was an analyst of mangrove bark and an advisor to the Papua New Guinea Department of Forests; he also consulted for a private industry, which established a mangrove tannin extraction factory in West Papua, and conducted the first factory trial to manufacture plywood using mangrove tannin adhesives in Sydney in 1957. His work on the development of tannin adhesives became one of his passions of life. It extended to the exploration of chemical properties and applications of wattle and radiata tannins. In 1956, Ted Hillis had a unique opportunity to work with E.C. Bate-Smith and T. Swain at Cambridge University, which was fully supported by the CSIRO. Scientific papers on chemistry and biochemistry of polyphenols in plants resulted from this collaboration and most papers were published in Nature over the period 1957–1959. He thus became a pioneer in the establishment of Phytochemistry. This was one of the most important stages in his scientific career. *Eucalyptus* species are extremely difficult to distinguish using anatomical and biological characteristics. Studies by Ted Hillis on polyphenols from *Eucalyptus* leaves resulted in a series of five substantial publications entitled ''Polyphenols in leaves of *Eucalyptus* species: a chemotaxonomic survey'' in Phytochemistry from 1966 to 1967. This work formed the core of his thesis for Doctor of Science in chemistry and biochemistry from the University of Melbourne in 1966. During this period, Ted Hillis initiated and edited a book entitled ''Wood Extractives and their Significance to the Pulp and Paper Industries'' in 1962. This publication became a classic textbook for both researchers and young students all over the world. He attracted numerous scientists, particularly from Japan, USA, Canada and Germany, to study with him. From this time on, his study expanded enormously from chemistry and biochemistry of polyphenols to chemotaxonomy and wood anatomy, plant pathology, wood physics, wood seasoning, wood adhesion and technologies, and also tree breeding. Based on these achievements, he was promoted in 1972 to Chief Research Scientist, the highest research classification within the CSIRO. In 1981, Professor Ho Chin Ko at the Chinese Academy of Forestry (with whom Ted Hillis had worked together with at the CSIRO in 1951–1952) invited him to generate a collaborative research project entitled ''Wattle silviculture and utilization of tannin extracts'', which was funded by the government sponsored Australian Centre for International Agricultural Research. Ted Hillis was involved in this project until 1991. Although he retired officially from the CSIRO in 1986, he continued with his research activities in the field of wood science and technology, as an Honorary Research Fellow until his complete retirement in 2002. His research work resulted in the publication of over 200 scientific papers and review articles, and four books, including ''Heartwood and Tree Exudates'' in 1987 and ''Eucalypts for Wood Production'' (edited with A.G. Brown) in 1978, 1984 and 1988 (Chinese translation in 1990). Ted Hillis taught as a Visiting Fellow at the Australian National University in Canberra (1974–1986), Visiting Professor at the University of British Columbia in Canada (1984) and established a Wood Science course at the University of Lae, Papua New Guinea (1975–1976). He was also a part-time Lecturer at the University of Melbourne (1972–1974) and at the Australian Pulp and Paper Institute, Monash University (1990–1999). Ted Hillis was the Co-ordinator of the Forest Products Division (1976–1983) and Executive Board Member (1976–1983) of the International Union of Forest Research Organizations (IUFRO) and became an Honorary Member in 1986. He was also the Foundation Chairman for the Australian Branch of the Institute of Wood Science (1973–1977). He was an Honorary Member of the Chinese Society of Chemistry and Chemical Engineering of Forest Products since 1981 and an Honorary Member of the International Association of Wood Anatomists (IAWA) since 1981. He was elected as a Fellow (1970) and President (1978–1982) of the International Academy of Wood Science (IAWS) and Academy Lecturer (1985, 2006) and

served as an Editorial Board Member of the Journal ‘‘Wood Science and Technology’’ (1977–1999). His outstanding contribution to the science and technology of the forest products industry was recognized domestically and internationally by numerous awards. He was elected as a Fellow of the Australian Academy of Technological Sciences and Engineering (ATSE) (1980). He was awarded the Stanley A. Clarke Memorial Medal from the Institute of Wood Science (1986), the Centenary Medal by the Australian Government (2003) and the Member of the Order of Australia (AM), which is one of the most prestigious awards made by the Australian Government (2003). During his entire career, Ted Hillis had maintained an extremely high level of determination and dedication towards his research, which may have been formed by his experiences during the Great Depression in the 1930s. Furthermore, his scientific success owed much to the life-long support and total dedication of his wife. They married at Queen’s College, the University of Melbourne on 15th November 1952. At the same time, they had established a wonderful family with three talented children. After his partial retirement at the age of 65, Ted travelled extensively with Marjorie and they immensely enjoyed cruising in Alaska and the South Pacific and the Great Barrier Reef in Australia. They also travelled in China, Canada, Germany, Sweden and many other countries. But Ted Hillis never really retired from his research. Even shortly after the passing of his wife Marjorie in July 2005, he attended the IUFRO World Congress in Brisbane in August 2005 and his final formal presentation was to give the Academy Lecture at the IAWS meeting in Melbourne in November 2006. In his lecture entitled ‘‘Wood Science in the Future’’, he said that ‘‘if you stand on the shoulders of your predecessors, you can see further. If we stand on the shoulders of giants, how far would we see and where would it take us? The tallest giant in Wood Science is Prof. Dr. Franz Kollmann who founded our Academy 40 years ago’’. From this point of view, it is now believed that Ted Hillis is one of the tallest giants in the field of wood science and technology. His spirit and passion for research will have a lasting influence on our minds. He is survived by his children Rosemary, David and Margaret, his sons-in-law Charlie and Don, daughter-in-law Diane and his grandchildren James, Catherine, Melissa, Michael and Stephanie.

Yoshi Yazaki/Clayton

-obituary published in Holzforschung 62 (2008): 372-373

UPCOMING MEETINGS OF INTEREST TO FELLOWS

August 4-8, 2008: ***World Congress “Local livelihoods and global challenges: understanding human interaction with the environment". Copenhagen, Denmark***

Why hold a World Congress of Environmental History?

Worldwide, humans interact with the environment to make their living, create artifacts, recreate, reflect their belief systems, and to survive. Humans have changed the face of the Earth considerably and have experienced both resilience and degradation of natural systems. Environmental historians in many fields study these interactions and aim their explorations toward a sustainable future. The first World Congress for Environmental History (WCEH) will bring together scholars from all over the globe, giving them a unique opportunity to learn from each other and together create an overarching picture of the historic relationship of people and the environment through time. Interactions are found on many scales, from the local to the global. Resource issues cross national borders and cross ecosystem boundaries. Looking at our challenges from multiple perspectives, multiple spatial and temporal scales,

and varied politics, economies, and disciplines is the only way to enlighten the complex challenges of creating a sustainable future. The World Congress will offer opportunities for all member organizations to meet and present themselves. It will bring a wide range of high-quality research papers to a diverse audience and seeks to discuss the political relevance of environmental history. We hope you come and share your results and questions with those of scholars from all over the world.
Contact: E-mail: wceh2009@ruc.dk

November, 17-20, 2008: ***Forest Sector Modeling: State-of-the-art and future challenges in an expanding global marketplace. Seattle/Washington, USA***
Resuming a past tradition, the IUFRO Forest Sector Modeling Working Party WP 6.11 (originally part of the IIASA Forest Sector Project) is planning a conference in Seattle, Washington, USA. The meeting will offer new and old researchers interested in forest sector modeling (FSM) the opportunity to catch up with developments from around the world. Sponsors include IUFRO, CINTRAFOR at the University of Washington, EFI (European Forest Institute), IIASA (International Institute for Applied Systems Analysis), the U.S. Forest Service, and Oregon State University. Activities will begin with a reception on November 17, presentations on the 18th and 19th, and conclude with a tour on November 20. The conference will mix plenary, concurrent sessions, focused panel discussions, and input from key FSM users in forestry, forest industry, and policy planning. Plenary sessions will feature invited speakers, notable in forest sector modeling, with reviews of state-of-the-art FSM applications in major forest sector regions. The organizing committee is soliciting speakers for the concurrent sessions to present the latest modeling developments and policy applications. Of particular interest are speakers who might address: short-term versus long-term modeling issues, use of econometric results as input to FSM's, opportunities for integrating models across sectors, integrating forest sector and biological system models, treatment of uncertainty in FSM's, incorporating wood-based bio-energy models in FSM's, and application of FSM's in policy analysis including GHG mitigation.
Contact: E-mail: forest.sector@oregonstate.edu

September 26-30, 2008: ***International Symposium on Wood Science and Technology. Harbin/China.***
On behalf of the Organizing Committee, International Association of Wood Products Societies (IAWPS), Key Lab of Bio-based Material Science & Technology of Ministry of Education (Northeast Forestry University), and Chinese Wood Science Society, we would like to express my warm welcome to the International Symposium on Wood Science and Technologies in Harbin from September 27 to 29, 2008. This symposium, named as IAWPS2008, is co-organized by International Association of Wood Products Societies and Northeast Forestry University.
IAWPS is an international organization founded in 1995 for the contribution of relevant societies to the better understanding and to the better utilization of wood resources in harmony with global and local environment. I believe it is extremely important for us to exchange knowledge and experience in forest products research at national and international levels.
IAWPS 2008 will cover whole areas of wood science and technologies, and papers will be presented at ten sessions. I hope every session will be very exciting and rewarding to participants from all over the world.
I sincerely hope that you will join us in making the IAWPS2008 Conference, and I am sure you will have a memorable time in Harbin.
I look forward to seeing you in Harbin.
Sincerely,

Jian Li/Conference Chairman

Scope of the conference

- Structures of biomass materials
- Wood physics and modern processing technologies
- Engineered wood products
- Furniture and living environment
- Forest products chemical engineering and energy conversion of biomass
- Wood chemistry, pulping and paper making
- Biodegradation and preservation of wood
- Wood-based materials and adhesives
- New bio-based composites
- Market, economy and management of wood products

Contact: E-mail: iawps2008@yahoo.com.cn. www: http://iawps2008.woodlab.org/

May 11-13, 2009: ***16th International Nondestructive Testing and Evaluation of Wood Symposium.*** Beijing, China

Initiated in the early 1960's, the International Symposium on Nondestructive Testing and Evaluation of Wood has become a world-wide technical forum aimed at promoting effective communication and information exchange of research advancements and technical refinements in the field of NDT/NDE of wood. It represents the full spectrum of technical interests, from basic and applied science to the use of various methods in industrial and field applications. The Symposium focuses on bridging the gap between research and industrial applications. The 16th International NDT/NDE of Wood Symposium is being hosted by Beijing Forestry University and the USDA Forest Products Laboratory. On behalf of the symposium's organizing committee, we warmly welcome you to Beijing! Consider this an invitation for submitting an abstract that summarizes your latest research or development findings! Technical sessions will include both oral and poster presentations. An exhibition of the most recent advances from equipment developers and manufacturers is also planned.
Contact: E-mail: NDT2009@bjfu.edu.cn

June 15-20, 2009: IAWS ***2009 Plenary Meeting. St Petersburg and Moscow/Russia***

January 18-22, 2010: ***11th International IUFRO Wood Drying Conference (Recent Advances in the Field of Wood Drying). Skellefteå/Sweden***

The first IUFRO Wood Drying Conference was held in Skellefteå, Sweden 1987. We are now happy to invite you for the second time to attend and contribute to the 11th International IUFRO Wood Drying Conference to be held in Skellefteå, Sweden in January 18-22, 2010. During this time of year in Scandinavia we definitely won't offer you sun and heat! Instead we want to invite you to our unique time of year close to the Arctic Circle with darkness, snow, ice and good chances to experience northern light! And why not try winter fishing on ice? If you are attending the post-conference tour you will make a visit to the world-famous

Icehotel in the village Jukkasjärvi, close to the city Kiruna 200 km north of the Arctic Circle! Don't hesitate if you are lacking proper out-door clothing for cold climate. We will provide necessary equipment if you need it! And the conference and lodgings are of course held in warm and modern buildings!
The theme of this conference will be "Recent advances in the field of Wood drying".

Topics:

- Drying quality and wood properties
- Physics of Wood Drying: Modelling
- Applied wood drying
- Miscellaneous drying technologies
- Wood modification related to drying
- Kiln control, sensor technology
- Energy and Environmental issues
- General

Contact: Margot Sehlstedt-Persson – E-mail: margot.sehlstedt-persson@ltu.se / Lena Antti – E-mail: lena.antti@ltu.se. www: http://www.wdc2010.org/

GUIDELINE FOR HIGHLIGHTS

The purpose of the Highlights, published in the Bulletin, is to promote the integration of the fields of wood science. Fellows are encouraged to submit Highlights to any of the Officers!

Highlights should:

* be free of jargon and highly technical language and (unexplained) acronyms, and be readily understood by wood scientists in other fields

* be no more than 1000 words (roughly 4 pages in the Bulletin)

* begin by providing a brief background or framework to put the report in perspective

* give due credit to the work of others in the field, not just summarize the author's work

* contain important references to the literature for further reading

* finish with a statement of future directions in the area

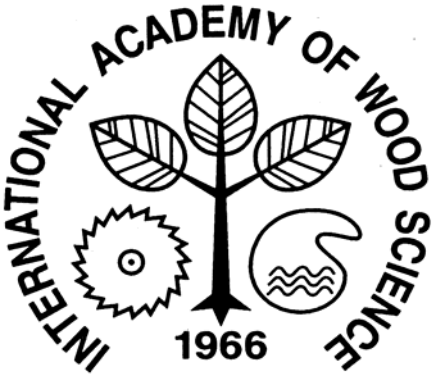
Nomination for Fellowship of the International Academy of Wood Science

Name of Candidate:

Name of Proposer:
E-mail:
Date:

Contact Data:
(Current E-mail is a strict minimum!)

Candidate's Background (maximum 100 words):



www.iaws.uhp-nancy.fr