

SWST Newsletter

~ August 2007 ~



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Note from the Editor



Please send your comments, and content for future editions of the Newsletter, to me at AdamTaylor@utk.edu. The next edition will come out in October.

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SWST Annual Meeting 2008

The Society of Wood Science and Technology will host its Annual Meeting in Concepcion, CHILE together with our co-hosts the University of Bio Bio and IUFRO Division 5 - Forest Products.

This 3-day meeting will be held November 10-12, 2008 and will include four technical sessions on Global Trade, Wood Quality in the 21st Century, Advanced Processing of Timber in the 21st Century, and Timber Engineering. The 4th International Meeting on Forestry, Wood Products and Pulp and Paper will also be held November 11-15, 2008 in Concepcion.

For further information visit <http://www.swst.org/annualMeeting.htm> or contact Jerry Winandy (jwinandy@umn.edu) or Vicki Herian (vicki@swst.org).

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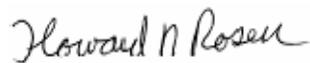
SWST in China

The Society of Wood Science and Technology was well represented at the Second International Conference on Wood Culture (ICWC) in Nanjing, China. The Second Conference was held near Nanjing Forestry University (NFU) in Nanjing, China from May 28-31, 2007 and co-organized by WoodLab (a private non-profit organization) and the College of Wood Science and Technology at NFU.

Nanjing is on the Yangtze River in the eastern center of China and has a population of 6.1 million. About 150 people from 10 countries attended the meeting, most from various parts of China. Howard Rosen, Chung-Yun Hse, and Vicki Herian from the USDA Forest Service, Mon-Lin Kuo from the University of Iowa, and Art Brauner former Executive Vice President of FPS represented the United States and SWST. The technical talks focused on wood culture—defined as human usage of and activities with wood, including societal attitudes towards wood products.

All the US participants also participated in the Wood Science Research and Effective Utilization Symposium sponsored by the Wood Science Branch of the China Society of Forestry in Kunming, China followed by a tour to Dali and Lijiang in Yunnan Province.

Details can be found at the WoodLab website www.icwc.org or also by checking with Art Brauner, who made good use of his retirement gift and took over 1000 pictures of the trip.



Howard N. Rosen

USDA Forest Service



Vicki Herian, Executive Director of SWST, delivers her talk in Kunming, China



FPS contingent Art Brauner, Howard Rosen, Vicki Herian, and Chung-Yun Hse on tour in Dali, China

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Wood and Fiber Online

The SWST board would like to thank Dr. Robert Beauregard, Dr. Zhangjing Chen and members of the Publication Policy Committee for their efforts in initiating the work towards moving to E-publishing for Wood and Fiber Science. This task was considered high priority of the Board for 2006-2007. At our Spring Board meeting held in Orlando on February 24, we decided to move forward with the Committee's recommendation to contract with Metapress to handle the Society's E-publishing needs. The E-publishing for Wood and Fiber Science is now online.

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Joe Bodig

There is a CaringBridge site to keep you up to date on JOZSEF BODIG. CaringBridge is a nonprofit organization that helps friends and families stay connected.

You can visit JOZSEF's CaringBridge site at <http://www.caringbridge.org/visit/jozsefbodig>. You can use the site to check in on JOZSEF, read the journal entries and send us messages by signing our guestbook. When you register with CaringBridge and sign our guestbook, you will automatically receive e-mail notifications each time our journal is updated. Or, you can subscribe to receive these notifications even before you sign the guestbook

CaringBridge is a free, nonprofit web service that connects family and friends to share information, love and support during a health care crisis, treatment and recovery.

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Tom the Forest Guy

We're utilizing the latest technologies to reach new audiences: "Tom the Forest Guy" segments now appear on the popular alternative, web-based media outlets YouTube and Current TV.

Perhaps you've seen "The Grammar Girl" on Current TV. Our "Forest Guy" is Forest Foundation Visiting Scholar Dr. Tom Bonnicksen, who discusses topics such as reforestation and climate change, and managing forests to keep them healthy and to grow big trees. In the coming weeks, we'll post several other segments with "The Forest Guy" and develop segments with other experts. Please send the postings to your colleagues so we can create a "blitz" of viewers.

Enjoy the show:

On YouTube at <http://www.youtube.com/watch?v=In4qr2nNDJI>

On Current TV at <http://www.current.tv/watch/94372592>

Best,
Cheryl Rubin
Vice President, Communications
The Forest Foundation
853 Lincoln Way, Suite 208
Auburn, CA 95603
Phone: 1-866-241-8733
Fax: 530-823-1850
cr@calforestfoundation.org

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Founding a Society Reminiscences of the Conception and Birth of SWST

R. L. Youngs

(The following address was presented at the 2007 SWST Annual Meeting in Knoxville)

I hope you are aware that it is dangerous to call on an old professor to reminisce about times past. We try not to live in those days, but the memories come back to both haunt us and inspire us. I'll try today to concentrate on the latter. It is interesting to look back 50 years and more to consider again –and wonder at – what we started. I thank you for the opportunity to reminisce publicly about the world in which we found ourselves, how the conception took place, and a few of the birth pains. I thank you especially for carrying on and refining what we began.

We make up a very old field of specialization. Whether it is an old profession is a matter of definition. Wood science and technology has a very long history, dating back to the earliest records of humankind. I've written about that history a few times – that's what we old guys do. (Youngs 1989, 1999). However, I'll not get into that today. What is important to point out as we look back in these times of turmoil is that wood science and technology is very much a child of war. The two World Wars – and especially WWII – made great demands on the wood resource and the intensive research and its application taught us much about wood. Wood supplied material for airplanes, weapons, vehicles, ships, ammunition, and for transporting such things to wherever in the world they were needed. Much of the research at the FPL was working on three shifts, supported by the military. Most of the experts in the field in this country were much involved in technical assistance to the military and the industry supplying the military. When I went to FPL in 1951, half the support was still from the military. This strong military emphasis and pressure led to many advances in wood science and technology that would have taken much longer in more peaceful times.

Nevertheless, wood science and technology, though serving many critical military and civilian objectives, was not well defined. Most of those who played a critical role in its early development were not trained as wood scientists in the sense that we know it today. They were engineers, chemists, physicists, and even a few foresters. For professional association, they looked to the American Chemical Society, the American Society of Civil Engineers, the American Society of Chemical Engineers, and others. Such professionals played key roles from the time the study of wood in any formal sense began in the late 19th and early 20th century. Harry Tieman was an engineering graduate of Cooper Union in New York. Alfred Stamm was a physical chemistry graduate of California Institute of Technology. And so on with other pioneers. Those who are of other professions still contribute much to wood science and technology. We encourage this and welcome them.

However, in the mid-twentieth century, those of us whose primary training and principal interest lay in wood science and technology were convinced that we were also professionals and should have a professional society to unite us in advancing the field. But how should we identify ourselves, and how would we define the field in which we found ourselves? We were working with foresters, civil engineers, chemical engineers, chemists, botanists, and many others identified by, and qualified for, their own professional societies. We were based in the Forest Products Research Society (FPRS), which had formed shortly after World War II as a medium to

exchange the substantial body of information developed during the war years and to refine and apply that information for effective and efficient wood use. Representatives of the forest products industry; of universities engaged in forest products research, education, and extension; and of the Forest Products Laboratory had come together in the mid- to late-1940s to form FPRS.

Those of us in wood science and technology had been meeting informally during FPRS conventions in the 1950s to consider the idea of a professional society that reflected our interests and aspirations. Why not FPRS? By 1957, we had decided that, while FPRS provided a common base of interest and medium of information exchange, it could not meet our need for an organization that would identify and safeguard our professional interests and growth and define the qualifications of the profession. At the 1957 Buffalo meeting of FPRS, we formed a committee, chaired by Jim Bethel, to study options and propose feasible alternatives; the committee was charged to report back a year later, when we would meet at the FPRS convention in Madison (Fleischer and Foulger 1983, Ellis 1999). This formative action and direction really began what we now call SWST and makes it possible for us to celebrate our 50th anniversary here in Knoxville this year. The baby was born, but squirming and nameless.

The first annual meeting was held in 1958, with an executive session at my house in Madison. At that meeting Jim Bethel and his committee introduced a draft constitution and bylaws for a professional society to be named the American Institute of Wood Engineering (AIWE). The name was the subject of much debate; we had not yet defined ourselves. We decided that this would be a good beginning and adopted the drafts, but, to give us time to consider it thoroughly, we added a sunset clause – it would expire in two years if not further improved and reaffirmed. Thus, AIWE came into being, with great hopes but an uncertain future. The first elected officers were President Jim Bethel, Vice-President Herb Fleischer, Secretary-Treasurer Bob Youngs, and Directors Fred Dickinson, Art Muschler, and Alex Panshin. Headquarters would be at the office of the Secretary-Treasurer, the first being my office at the Forest Products Laboratory.

A major consideration, in addition to the particulars of an organization that would define and bring together our profession, was to avoid a break with FPRS. We developed a cooperative agreement that required one to be a member of FPRS in order to become a member of AIWE,. We were also careful to work closely with FPRS in our beginning efforts at publication and meeting scheduling. We have continued that cooperation, although the formal agreement was rescinded in 1960, to avoid our becoming “a society within a society”.

The AIWE name didn't last long. Nor did the moving Secretariat. When we next met, in 1959 in San Francisco, we agreed that, as of January 1, 1960, we would become the Society of Wood Science and Technology. After the Secretary-Treasurer job moved to Ben Jayne, we decided that a moving headquarters was less than ideal, and we prevailed on FPL to let the society be headquartered there, with a volunteer acting as Assistant to the Secretary. Henry Haskell was that volunteer for the next five years and played a key role in working with industry and government attorneys to incorporate SWST as a not-for-profit organization. The Articles of Incorporation stated the purposes of the society as:

1. To foster educational programs directed toward professional advancement,
2. To promote research in wood science and technology, and
3. To provide a medium for the exchange of ideas and technical information relating to wood

science and technology.

By the end of 1960, SWST had become an identifiable professional society; separate from FPRS, but not in conflict with it. We had about 170 members, enrolled by contact with those we considered qualified. We had a grant from the National Science Foundation (NSF) to begin a visiting scientist program as a means of sharing our professional experience. Harking back to our concern for definition by professional training, we had begun work on a grant to study education in the field, which was then as diverse as the members, and establish an educational basis for the study of wood science and technology. This is well documented by Everett Ellis (1984, 1999). We were off and running, but where to?

I noted that our profession is a child of war. As has the rest of the “baby boom” generation, the society has grown well and survived growing pains during the half century of its development. We have grown and matured, and have become both child and parent in the turbulent, globalized world that has developed around us. . “The times they are achangin”; many new challenges lie ahead.

It has been my real honor to have been part of the conception, birth, and nurturing of SWST. I speak for all the “founding fathers” when I thank all of you for your efforts to lead us into our second half century, and to Vicki for keeping it organized and productive.

As Hodding Carter said, “ There are only two lasting bequests we can hope to give our children. One of these is roots; the other is wings.” I’ve told you about the roots; you supply the wings.

REFERENCES

Ellis, E.L. 1964. Education in Wood Science and Technology. SWST, Madison, WI. 187pp.

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Youngs, R.L. 1989. History of timber use, pp 138-143 in Concise Encyclopedia of Wood & Wood-Based Materials, A.P. Schniewind, Ed., Pergamon Press, New York. 354pp.

Youngs, R.L. 1999. Development of the science and technology of wood and fiber and their products, pp 289-317 in Forest and Wildlife Science in America: A History, H.K. Steen, Ed., Forest History Society, Durham, NC. 453pp.

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Hardwood Processing Conference In Quebec

Please find the last version of the event program and details for the scientific visit for the International Scientific Conference on Hardwood Processing that will be held in Québec City on September 24-25-26, 2007. www.ischp.ca

Special rates for attendees are available at the Québec Hilton hotel from September 22nd to 28th. These rates are available until August 24th (all information is available on <http://www.ischp.ca/facilities.asp>). Booth spaces are still available for industries and institutions. Stand layout, price and rental procedures are indicated on <http://www.ischp.ca/exhibitors.asp>.

Online and Offline registrations have already started. Procedures and disclaimer are available on <http://www.ischp.ca/registration.asp>. For assistance, please contact Vincent Blanchard (Vincent.blanchard@qc.forintek.ca).

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Visit by Adam Taylor to the University of Laval

under the SWST Visiting Scientist Program

10-14 April 2007

I was invited by Alain Cloutier to come to Quebec City, Canada to visit the University of Laval under the SWST Visiting Scientist Program. In the morning of the first day of my visit, I was given a tour of the brand-new, well-equipped and very beautiful Gene-H. Kruger building that houses the *Centre de recherché sur le bois*. The Kruger building, which has many structural and appearance wood components, is currently a finalist for an architectural award.

During the tour, I learned about the University of Laval's wood science program, which includes undergraduate and graduate level education and research, as well as outreach programs. There are currently eight faculty, approximately 50 graduate students and numerous post-docs and technicians.

My afternoon seminar discussed "Applications of near infrared spectroscopy to wood products." The session was attended by over thirty people, including students and faculty from Laval as well as researchers from Forintek – the nearby national wood research laboratory.

The next day, I presented two workshops, demonstrating how to collect near infrared spectra and how to build and test correlation models using the NIR data and multivariate statistical tools. The approximately 20 participants from both Laval and Forintek provided their own samples. Together, we created models to predict density of slow-grown spruce, surface roughness of planned/sanded white birch, bark content of particleboard and species (spruce v. fir) of wood billets.

The following morning I visited Forintek, which is close to Quebec City and the University of Laval. Like the Kruger building, the Forintek building is a beautiful showcase for building with wood and is well-equipped for wood and wood-composites research. While at Forintek, I discussed near infrared spectroscopy applications and other areas of mutual interest with a number of people, including Marc Savard, Lin Hu, James Deng, Xiang-Ming Wang, Hui Wan, Gilles Brunette and Mohammed Mohammed. I returned to the University of Laval in the afternoon for further discussion of research and possible opportunities for collaboration.

In all, my visit to Quebec was a great opportunity for me to meet face-to-face with people I knew only from the literature, to see their facilities and to learn more about their research interests. It was also a chance for me to share my experience with applications of near infrared spectroscopy, which is a topic of interest to the people at both Laval and Forintek.

I would like to thank everyone at the *Centre de recherché sur le bois* and at Forintek for their hospitality. Special thanks are due to Marc Savard for being my guide at Forintek, to Guillaume Giroud for organizing the seminar and workshops, and especially to Alain Cloutier for the invitation.

Please Note: Under the Visiting Scientist Program, all of my expenses were covered. The SWST paid for my travel and the University of Laval paid for my hotel and meals. I would strongly urge SWST members to consider taking advantage of this great program!



From left, Adam Taylor, Bernard Riedl, Alain Cloutier and Guillaume Grioud in the Gene-H. Kruger Building, University of Laval

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College Career Volunteers Sought

As summer wanes and students prepare to return to campus, we're hoping your members are excited to share their wisdom and expertise with the next generation of professionals! Opportunities to connect with students are varied and accommodate every schedule and include informational interviews, making class presentations, and participating in the mentor program.

We hope you'll share information about our "Building Bridges" career contacts program with your membership soon. To sign-up visit

<http://www.stpaulcareers.umn.edu/alumni/volunteering.html>.

Sincerely,

Lindsay Kail
Peer Advisor
St. Paul Campus Career Center Staff
University of Minnesota-Twin Cities
198 McNeal Hall, 1985 Buford Avenue
St. Paul, MN 55108
spccc@umn.edu
612-624-2710
<http://www.stpaulcareers.umn.edu>

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Assistant Research Professor and Extension Specialist

Washington State University

DESCRIPTION OF POSITION: Assistant Research Professor and Extension Specialist with emphasis in sustainable building materials. The position will involve 50% extension and 50% research responsibilities specializing in design, development, production, and implementation of renewable composite materials. This position will be a joint appointment in the Department of Civil and Environmental Engineering and in Extension at Washington State University, with administrative leadership from the Director of the Wood Materials and Engineering Laboratory. The successful candidate will be expected to develop research and extension programs that include: product development and process improvement; develop and manage outreach and continuing education activities to the renewable composites industry and its clients; develop and oversee sponsored industrial research; participate in the programs of the proposed WSU Institute for Sustainable Design; publish innovative research and extension activities in professional journals; actively engage county/regional WSU Extension educators and research faculty at WSU and other institutions; and advise graduate students. The appointment requires participation in departmental, college, and university committees; professional societies; and other service and activities as needed. For additional information on Wood Materials & Engineering Laboratory, visit www.wmel.wsu.edu.

QUALIFICATIONS: A Ph.D. in an engineering field is required with demonstrated experience in industrial outreach and applied research activities in renewable composite materials. Industrial experience in renewable composite materials or a related field is required. A demonstrated ability to contribute to interdisciplinary research and outreach within the department, college, and university is expected. The successful candidate must be able to communicate effectively with people at all levels in university, government, industry, and other private sectors. Preferred qualifications include demonstrated abilities in attracting extramural funding, conducting and publishing the results research, and having a strong interest and experience in quality graduate education.

Review of applications will begin September 1, 2007. Salary will be commensurate with education and experience. Applicants are requested to send a cover letter, resume, graduate and undergraduate transcripts and names, addresses and phone numbers of five references to:

Dr. Vikram Yadama
Chair, Search Committee
Wood Materials and Engineering Laboratory
Washington State University
Pullman, WA 99164-1806
vyadama@wsu.edu, (509)335-6261, Fax (509)335-5077

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Wood Building Design and Construction Professor or Associate Professor Position

University of British Columbia

Faculty of Forestry and Faculty of Applied Science

The Faculty of Forestry (Wood Science) and the Faculty of Applied Science (Civil Engineering and Architecture) at the University of British Columbia are seeking candidates for an endowed Chair in Wood Building Design and Construction. Candidates must have demonstrated excellence and have extensive experience in research, teaching and technology transfer in the design and construction of wood-based structures.

The Chair holder will be a world leading expert in the design and construction of timber buildings. The Chair holder will facilitate the holistic design of timber structures considering the interactions among the structural, architectural, building physics, energy efficiency, environmental and green building requirements.

Candidates with an advanced degree and exemplary accomplishment and experience in Architecture, Engineering, and/or Building Science are encouraged to apply. The successful candidate will be expected to teach at the graduate level, develop a personal research program

and collaborate with members of the School of Architecture and Landscape Architecture, Department of Civil Engineering and Department of Wood Science, the wood products industry and the design community to integrate and further develop existing expertise in this area. This is a unique opportunity to develop a globally significant program at a leading North American university.

This tenure-track position will be a joint appointment between the Faculties of Forestry and Applied Science. The appointment will be effective September 1, 2007, but an alternative starting date may be arranged. Salary and Academic Rank will be commensurate with experience and qualifications. Inquiries should be directed to:

Dr. Paul McFarlane
Department Head
Wood Science
University of British Columbia
2424 Main Mall
Vancouver, B. C.
V6T 1Z4
Phone: (604) 822-7667

Applications should be sent by e-mail only to paul.mcfarlane@ubc.ca and any attachments should be Word or PDF files, set for printing on letter-size paper.

The closing date for applications is 23 July 2007. Applications should include a curriculum vitae, the names and contact details of three referees, a short statement of research interests and a portfolio showing relevant experience in wood building design and construction.

The University of British Columbia hires on the basis of merit and is committed to employment equity. We encourage all qualified persons to apply. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada

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Industrial Ecology & Life Cycle Assessment of Forest Bioproducts

School of Forest Resources

University of Maine

The School of Forest Resources at the University of Maine is seeking applications for an academic-year, tenure-track Professor (Assistant, Associate, or Full) in the field of industrial ecology and life cycle assessment. This position is part of a new NSF/EPSCoR (National Science Foundation / Experimental Program To Stimulate Competitive Research) and MEIF (Maine Economic Improvement Fund) grant to develop a nationally recognized institute in forest bioproducts research (<http://www.forestbioproducts.umaine.edu>). The position will be 80% research and 20% teaching, subject to negotiation. Professorial rank and salary will be commensurate with qualifications and experience.

Responsibilities:

Research: The successful candidate will be expected to develop a nationally recognized, externally funded research program that advances methods of life cycle assessment (LCA) and industrial ecology related to the environmental, ecological, economic, and land use impacts of forest bioproducts. The successful candidate will be part of an interdisciplinary research team addressing the scientific underpinnings, system behavior, and policy implications for the production of forest bioproducts that meet societal needs for materials, chemicals, and fuels. Results from this research are expected to be published in leading peer-reviewed journals and other outlets.

Teaching: The successful candidate will be expected to (1) teach an undergraduate course in industrial ecology and LCA methods and applications for students in natural resources, environmental sciences, engineering, business, and other disciplines across campus, (2) develop a graduate course in the use of LCA for forest-based products, and (3) serve as advisor to both undergraduate and graduate students. Teaching requirements will be within the expectation of the negotiated teaching appointment.

Service: The successful candidate will be expected to pursue informal extension and public service activities, such as providing assistance to representatives from forest industry and landowners, interacting with Cooperative Extension staff and government agency personnel, and serving on campus committees and professional organizations.

Research, teaching, and service responsibilities are to be consistent with the University of Maine's land grant mission.

Qualifications:

A Ph.D. with specialization in industrial ecology, LCA, integrated environmental assessment, or closely related field is required. At least one degree in natural resources or closely related field is preferred. The successful candidate will have training and experience in the development and application of quantitative methods related to studying the environmental impacts of product life cycles, including development of life cycle inventory data. Preference will be given to candidates with experience in bridging the gap from mainstream LCA methods to other disciplines and modeling domains, and a proven ability to obtain extramural research funding and publish in leading peer-reviewed journals. Applicants must be eligible to accept employment in the United States at the time the appointment is made.

Background:

The University of Maine (www.umaine.edu) has the oldest continuously accredited 4-year Forestry program in the U.S. and is located in Orono, a small college town bounded by the Stillwater and Penobscot Rivers. The campus is just eight miles north of Bangor, a commercial center for Maine and the Maritime Provinces of Canada. The Bangor Region is centrally located in the state, providing nearby access to mountains, forests, parks, rivers, lakes, and the coast. The School of Forest Resources administers programs leading to baccalaureate degrees in Forestry; Forest Ecosystem Science & Conservation; Forest Operations Science; Parks, Recreation & Tourism; and Wood Science & Technology. The School's research efforts are closely aligned with the Forest BioProducts Research Initiative, Advanced Engineering Wood Composites Laboratory, and Center for Research on Sustainable Forests. Detailed information about programs and faculty is available at www.forest.umaine.edu.

Deadlines:

Review of applications will begin June 30, 2007 and continue until position is filled.

Application:

Please send CV, transcripts of all academic work, and the names and addresses of three references to:

Robert G. Wagner

Chair, LCA Faculty Search Committee

School of Forest Resources

University of Maine

5755 Nutting Hall

Orono ME 04469-5755

Telephone: (207) 581-2903; Fax (207) 581-2833

bob_wagner@umenfa.maine.edu

The University of Maine is an Equal Opportunity/Affirmative Action Employer.

Women and Minorities are Encouraged to Apply

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Lecturer

University of Toronto

Position Title/Rank: Lecturer

Division: [Faculty of Forestry](#)

Field: Wood Science and Forest Products - Biomaterials

Deadline: July 31, 2007, or until filled

Job Description:

Applications are invited for a lecturer and program coordinator for proposed Biomaterials programs to be offered at the undergraduate level within the Faculty of Arts and Sciences and as a graduate Masters Program in Biomaterials Science and Engineering within the Faculty of Forestry at the University of Toronto. This appointment will be at the rank of Lecturer and will begin as soon as a suitable candidate is found and end June 30, 2010, with potential for renewal based on availability of funding.

The successful candidate will have a strong understanding and appreciation of the Canadian forest products industry and commitment and extensive knowledge of at least one aspect of Forest Biomaterials such as value added wood products and processing, biofuels and bioenergy and the biorefinery concept. He/she will possess a PhD (or Master's degree and equivalent

experience) in the field of Forest Biomaterials or a related area.

Candidates are expected to demonstrate potential for outstanding teaching, which will include developing new curricula and courses, developing innovative ways to deliver courses and promotion and marketing of new programs. Expertise in instructional technology is also desirable. Specific courses may include any of the following, depending on the particular skills and background of the candidate: Biofuels and Bioenergy, Biorefinery concepts and Value Added Wood Materials and Products.

The successful candidate will work as part of a team involving other academic and administrative personnel in the Faculty of Forestry and in collaborating departments to develop and support undergraduate and graduate Forest Biomaterials programs.

He/she will also function as program coordinator for a proposed professional masters program in Forest Biomaterials Science and Engineering. This will involve coordinating the program, mentoring students and developing and administering internships.

Salary will be commensurate with qualifications and experience. Lecturer positions are teaching-stream appointments in which the emphasis is on teaching excellence and service to the university community.

Please submit a letter of application, curriculum vitae, statement of career goals and teaching philosophy, evidence of teaching excellence, and the names, addresses and e-mail addresses of at least three references by July 31 to:

Dr. Tat Smith, Dean
Faculty of Forestry, University of Toronto
33 Willcocks Street
Toronto, ON M5S 3B3

or email:

a.veneziano@utoronto.ca

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

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Two Positions: Department Head & Assistant Extension Professor

Mississippi State University

Mississippi State University is currently seeking candidates for two positions: 1) Department Head and 2) Assistant Extension Professor. One of three departments in the College of Forest Resources, the Forest Products Department activities include undergraduate/graduate instruction, research service and programs in natural resources.

Department Head, Department of Forest Products, College of Forest Resources, Mississippi State University

The Department Head provides visionary leadership for the department of Forest Products which includes teaching, research, and service functions. In addition to administering teaching, research, and service programs in Forest Products, the Head has responsibility for coordinating budget, personnel and facilities management functions, and is expected to establish and maintain working relationships with other units in the university, the forest products industry, government agencies, and professional societies. The Department Head has responsibility for identifying state, regional, and national needs as they relate to the forest products industry in the teaching, research, and service functions and creating innovative and effective programs in response to those needs.

Assistant Extension Professor

The Assistant Extension Professor will provide leadership for a statewide Forest Products extension program that supports the transfer of technology to the general public, the forest products industry, and its organizations. The successful candidate will develop aggressive and proactive educational programs that address current and future Forest Products needs and issues in Mississippi. Essential duties and responsibilities include: providing assistance to the general public regarding questions on wood treatment and preservatives, wood identification, wood properties, and wood use; and providing assistance to the forest industry of Mississippi through education in the efficient manufacture and sustainable use of the forest resource, including time and people management, technologies that can save labor and materials in manufacturing, and forest products marketing.

To view these listings, click on the link below then click "Search Postings" and select "Forest Products" in the Department box. All applications should be made on line. We look forward to your application.

<https://www.jobs.msstate.edu>

Mississippi State University is an AA/EOE.

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Postdoctoral Fellowship in Wood Fibre-Based Composites

A highly motivated postdoctoral candidate is sought to embark on a three-year research project funded by FQRNT. The project aims at utilizing non-conventional fibre resources for the manufacture of high-quality fibre-based panels. The candidate will be focused on integrated fibre treatments and processing techniques required to enhance panel adhesion and other properties.

The candidates should have strong background in chemical engineering, wood/fibre chemistry, bio-composites, material sciences or related fields. The successful candidate must have proven research experience in wood composites or related subjects. It is important that the candidate is able to work in a team environment and communicate with scientists of different areas.

The Fellowship is competitive and available immediately for 3 years. We also provide the candidate with a competitive and flexible work environment at FPInnovations and universities. Qualified candidates are invited to send their CVs to

Dr. Tony Zhang, FPInnovations–Forintek (Vancouver)

E-mail : tony.zhang@van.forintek.ca

Tel : (604)-222 5741

Dr. James Deng, FPInnovations-Forintek (Quebec)

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Prof. Dr. Ahmed koubaa

University of Quebec in Abitibi-Témiscamingue

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Tel : (819)-762 0971 ext. 2579

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SWST Board Meeting Notes

Accreditation – All yearly reports were approved by the Board. The visits to University Minnesota and Mississippi State University were completed and the Visiting Team Reports have not yet been forwarded to the committee for processing.

Education – The Committee is developing a list of International contacts for Wood Science Education. The SWST website has added a spot for Resumes and Job Announcements. A report compiling information from North American schools has been prepared. Information provided by Schools has been updated on the SWST website for the Directory of Schools.

Membership - There are **83** new members for the period June 1, 2006 to May 31, 2007. The breakdown is **35** new full members, **46** new student members and **2** new affiliate members. A letter was prepared and sent via email on October 13 2006 to all delinquent members for 2006 dues payments. A letter was sent via email in May 2007 to all

delinquent members for 2007 dues payments. A letter was prepared and sent via email on December 10, 2006 to all SWST accredited programs encouraging their faculty to join SWST. A letter was prepared and sent via email to the contact persons at each of the SWST accredited programs to ask them to encourage faculty membership in the society.

Publication Policy – Identified and recommended a company to provide electronic publishing of current and back papers of Wood and Fiber Science. Access will be August 1.

Visiting Scientist Program - Les Groom visited University of Maine, and Adam Taylor visited Laval University.

Vicki will be giving a poster on the Society at the IUFRO Division 5 meeting in Taipei, Taiwan on October 29-November 2, 2007. SWST and 5.04 (Education) of IUFRO are cosponsoring a session. We have also donated \$3000 toward the Scientist Assistance and Young Scientist Award. This should fund three \$1000 grants to young scientists to attend the meeting.

The 2008 SWST Annual Convention will be held on November 10-12, 2008, in Concepcion, Chile, co-sponsored by Universidad de Bio Bio and IUFRO Division 5-Forest Products.

Vicki visited China and attended the 2nd International Conference on Wood Culture in Nanjing from May 28-June 2 and the 12th Annual Meeting of the Wood Science Branch of the Chinese Society of Forestry on June 4 where she gave a presentation on SWST at each meeting.

The SWST website has been updated by Beth Smith and moved to a commercial site called HostMonster.com.

Vicki had a new SWST brochure prepared and printed illustrating who the Society is and what we do.

Frank Beall will be the new Editor of Wood and Fiber Science.

The SWST Fall Board meeting will be on September 29 in Orono, Maine.

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Sunday Annual Convention Minutes
June 10, 2007
Knoxville Convention Center
Knoxville, Tennessee

8:30 am – 4:00 pm	Technical Session: Advanced Analytical Techniques for Wood and Biomass (Room 301E)
8:30 am – 4:00 pm	Equipment Manufacturers and Distributors Exhibit Forum and Posters (Room 301D)
11:30 am – 1:00 pm	Awards, Business Meeting, Luncheon (Room 301ABC)
1:00 – 4:00 pm	Student Poster Competition (Room 301D)
7:00 pm	Announcement of Student Poster Award Winners (Room 301ABC)
6:30 – 8:00 pm	Joint SWST/FPS Host Reception (Room 301ABC)

Award Presentations

George Marra Awards

First Place --- John A. Nairn, "Numerical simulations of transverse compression and densification in wood," in 38(4)

Second Place --- R. Cristian Neagu, E. Kristofer Gamstedt, and Mikael Lindstrom, "Characterization methods for elastic properties of wood fibers from mats for composite materials," published in 38(1).

Honorable Mention --- Mohammed Jahangir A. Chowdhury and Philip E. Humphrey, "The effect of sequential ammonia and methyl formate injection on the strength development of phenol-formaldehyde bonds to wood," published in 38(2).

2006-2007 committee members were: Chair Steve Verrill, Philip Evans, and Tony Zhang

Fellow Award

H. Michael Barnes and W. Ramsay Smith

Distinguished Service Award

A. William Boehner

Special Presentation – Robert Youngs

“Founding a Society: Reminiscences of the Conception and Birth of SWST“

Minutes of 2006 Annual Convention - Published in August 2006 Newsletter. A motion was made, seconded and passed to accept the 2006 Annual Convention Minutes.

President's Remarks – Doug Gardner

Doug thanked the Publication Policy Committee, Dan Dolan, etc for completing the task of moving WFS to electronic format. He also thanked the Board and the general membership for being involved "volunteer" work of the Society. Doug challenged the graduate students and younger members to become involved in the Society. It seems like only yesterday he was a new Ph.D. and got his first committee assignment. Doug indicated that the financial aspects of the Society were very strong and we should be able to offer more services to the Society. Finally he thanked the Executive Director for all her hard work

Executive Director's Report – Vicki Herian

Current Members as of June 1, 2007

Full members	284
Student members	72
Retired members	46
Affiliate Member	<u>4</u>
TOTAL	406

USA members	311
Canada members	50
Mexico members	2
Overseas members	43

Members as of June 1, 2006

Full Members	281
Student members	56
Retired members	46
Affiliate Member	<u>4</u>
	387

Subscribers as of June 1, 2007

Subscribers	199
USA	89
Canada	14
Overseas	96

Subscribers as of June 1, 2006

Subscribers	210
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Delinquent Members

Delinquent members as of 6/1/07 for 2007 dues – 54 total (30 full, 23 student, 1 retired)

Delinquent subscribers for 2007 as of 6/1/07 – 46 total (17 US, 29 foreign)

Compared to delinquent members as of June 1, 2006 – 57 total (31 full, 24 student, 2 retired)

Compared to delinquent subscribers as of June 1, 2006 - 38 (14 US, 24 foreign)

Vanguard Accounts

The Vanguard accounts were opened on February 3, 1998. The balance is \$115,373.45 on March 31, 2007 (the date of the last statement). The Student poster money was invested in November 1998 with an initial balance of \$4,750.00. The current balance (as of 3/31/07) in that account is \$17,006.38.

Checking and Savings Accounts

The balance in the checking account as of June 1, 2007 is \$30,962.09. The balance in Savings and CDs is \$154,511.04.

Student Poster Competition Fund

Contributors are: APA-The Engineered Wood Association, Asian Woods Inc., Balazs Zombori, California Cedar Products, Entwood LLC, Forintek Canada Corporation, Iowa State University, Louisiana Forest Products Development Center, Mississippi State University, North Carolina State University, Oregon State University, Pennsylvania State University, State University of New York (SUNY) ESF, Virginia Tech, University of British Columbia, University of Idaho, Washington State University, and Willamette Industries, Inc.

There are 26 participants in the 2007 Competition.

Miscellaneous

All website has been moved to a commercial provider, and has been redesigned. It should operate faster, more efficiently, and offer more opportunities. We have added a "Resume" and "Job Announcement" section.

We are preparing to offer Wood and Fiber Science as an electronic journal, as well as a paper journal. We are contracting with MetaPress to provide this service. Members will be able to go to a "Members Only" section of the website and view past issues of the journal in full-text searchable format. Nonmembers will be able to view the abstracts and purchase the full-text articles.

All back issues of the journal were scanned into pdf format by Dan Dolan of Washington State University. This enabled us to make the progression to an electronic version a reality. Much thanks should be offered to Dan.

The following page charges are still due: 37(3) Institute fur Werkstoffe in Bauwesen, \$1660; 37(4) Paprican \$1902; 38(1) STFI \$2509; 38(2) Graef, Anhalt & Schloemer & Assoc \$413; 38(4) USDA FS Southern Station \$1203; 39(1) UBC \$1318; USDA FS FPL \$812.

We have our SWST promotional merchandise for sale – Polo shirt, Long-sleeve denim shirt, Short-sleeve denim shirt, Portfolio, Deluxe Briefcase, and Lapel pin. An order form is included in your packets.

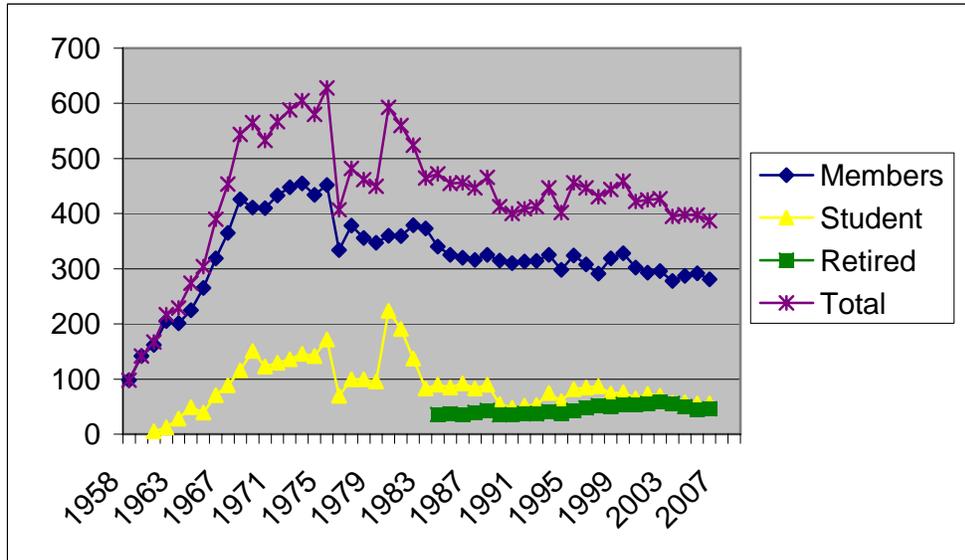
We still have copies of the book "Characterization of the Cellulosic Cell Wall" at \$100 each. This is clear profit for us. Please contact me if you would like to purchase one.

I have designed Membership Cards, similar to a business card, that includes a member's name and ID number on it. These will be sent out, upon request from the member, after payment is received for dues each year.

Jim Armstrong, Doug Gardner, and I have each attended Agenda 2020 meetings in the past year. We continue to have involvement on their Chief Technical Officers Committee.

We have renewed cooperative efforts with Temperate Forest Foundation and plan to continue in the future. We can both benefit by working together to educate kids, teachers, and the public.

I prepared the following chart, showing our membership trends. It shows a fairly flat trend.



Auditor's Report – Cheryl Hatfield

At your request, I reviewed the SWST bank statements for the period May 31, 2006 through May 31, 2007. Checks, deposits, VISA and Master Card charges, interest charges and bank charges were verified against the corresponding statements. No discrepancies were found between the statements and the books in any area.

The May 31, 2007 checkbook balance of \$30,962.09 corresponds with the checking balance on the May 31, 2007 balance sheet.

The \$132,379.91 total investment in the Vanguard accounts on the balance sheet also matches the totals on the most recent Vanguard statements (3/31/07). The \$154,511.04 CD's and savings also matches the Chase bank statements.

Budget Presentation

FISCAL STATUS DECEMBER 31, 2006

BALANCE SHEET

Total Assets	\$271,983.53
Total Liabilities	\$ 726.16
Total Equity	\$271,257.37
Total Equity & Liabilities	\$271,983.53

INCOME STATEMENT

	<u>2006 Budget</u>	<u>Actual 2006</u>
Total Income	\$163,060.00	\$192,226.20
Total Expenses	<u>\$146,469.00</u>	<u>\$187,047.49</u>
Budget Reserves	\$ 16,591.00	\$ 5,178.71

Wood and Fiber Science – Geza Ifju

Number of Manuscripts

April Issue (printed)	16 (147 pages)
Accepted beyond April Issue	27
Rejected	2
Withdrawn	2
Under review	34
Under revision by authors	7
In process in editor's office	<u>5</u>
Total	93

Manuscripts intended to be printed in the July issue were forwarded to the printer in the middle of May. At that time, only 8 proofs were available because a number of the authors had not returned the proofs with their approval or suggested corrections. There will probably be two additional proofs ready for printing. Therefore, with the anticipated two additional manuscripts, the July issue may be a bit smaller than average size, 148 pages. There are plenty of manuscripts accepted and available but the authors need to return the proofs in good time.

I am very much interested in the progress of finding a new editor for Wood and Fiber Science. Although I volunteered to continue for one more year beyond my appointment 6 years ago, I would be quite agreeable to give it up any time before June 2008. So far, I have not been contacted by anybody inquiring about details regarding the job. I do have some recommendations which I will discuss with the Board at its June 9 meeting.

Over 600 manuscripts have been handled over the 6 years he has been editor. A question was asked as to how the double-blind review process was going, and Geza said there was some bottleneck, but not too bad.

Committee Reports

- a. **Accreditation** – Bob Bush, Chair

Annual reports were received from:

Oregon State University
West Virginia University

University of Idaho
North Carolina State University
Pennsylvania State University
SUNY-ESF
University of Maine
Virginia Polytechnic Institute and State University

Each of the eight reports received were approved by the Committee on Accreditation. Copies accompany this document. Reports were not solicited from the University of Minnesota or Mississippi State University due to pending program review. All yearly reports were approved by the Board at it's June 9 meeting.

Program Review

The University of Minnesota program was originally scheduled for review in 2006. However, the SWST Board granted a one-year extension while the program was reorganized. Mississippi State University was scheduled for accreditation review in 2007.

Both programs were reviewed in April of 2007 by joint Society of American Foresters/Society of Wood Science and Technology teams. Dr. Robert L. Smith (Virginia Tech) served as SWST team leader for the Minnesota review and was joined by Dr. James W. Funck (Oregon State University). The Mississippi SWST team included Dr. James Armstrong (West Virginia University, SWST team leader) and Dr. Eric Hansen (Oregon State University).

Reports resulting from these visits have not yet been finalized by SAF. Consequently, Committee on Accreditation actions are pending. No programs are due for review in 2008.

Other Issues

Bush contacted personnel with the Building Materials and Wood Technology program at the University of Massachusetts Amherst to discuss SWST accreditation. While supportive of SWST activities they do not plan to seek accreditation due to a belief that their program does not meet SWST guidelines and because of limited perceived benefits.

- b. **Education** – Barry Goodell, Chair

Special Charges and Actions of the SWST Education Committee for 2006-2007:

1. Contact International education programs to provide linkages, and contacts for ongoing communication.

We are working on developing a list of International contacts for Wood Science Education.

Several members have submitted contacts, and additional information has been provided by IUFRO.

The Chair is exploring the possibility of setting up the database on a “Wiki” style web site that will allow for additions and corrections by the wood science community. This would permit the easiest changes, and allow schools to correct their own entries as contact names and other information change over time. UMN has software for this type of web site set up and we are exploring potential use of this.

A draft version of all international contacts is currently available from Barry Goodell.

2. Continue work on facilitating the posting student resumes on the web. Develop a mechanism for announcements, process for handling and guidelines for the process.

The SWST Board is working on web site development which may allow for posting of student resumes, so this charge was modified over the year after different options for posting resumes were reviewed for the Board at their winter meeting.

3. Investigate the possibility of expanding into continuing education.

No activity on the charge of expanding into continuing education occurred this year.

4. Gather information on what different undergraduate programs are doing, personnel, budgets, activities, etc.

A report compiling information from North American schools has been prepared (attached) detailing:

- i) Teaching/Academic Program support (excluding faculty and teaching staff salaries.)
- ii) Internal Research Support (Support coming from your State government or from University sources)
- iii) External Research Support (For example, external grants from the State or Federal sources, Special Research Grants, USDA-NRI or NSF grant support to the program or to individual PIs for their research).

The information in this report is meant to supplement, but not duplicate, information provided by SWST accredited schools in their annual reports.

5. Update Directory of School for website

Information provided by Schools has been updated on the SWST website.

c. George Marra Award - 2006-2007 committee members were: Chair Steve Verrill, Philip Evans, and Tony Zhang. Awards are listed above. The committee for Volume 39 is working on reading the papers already.

d. **Membership** – Susan Anagnost, Chair

Chair: Susan E. Anagnost 07

Vice Chair: Crystal Pilon

Committee members: Les Groom, Past Chair, and Hongmei GU,

Ex Officio Alain Cloutier, Board Liaison 06

Activities of the period July 2006 to June 2007:

- New membership applications: There are **83** new members for the period June 1, 2006 to May 31, 2007. The breakdown is **35** new full members, **46** new student members and **2** new affiliate member (submitted by Crystal Pilon, Vice Chair). (Last year, 45 new members; 20 full members, 24 student memberships, 1 new affiliate)
- A letter was prepared and sent via email on October 13 2006 to all delinquent members for 2006 dues payments.
- A letter was sent via email in May 2007 to all delinquent members for 2007 dues payments.
- A letter was prepared and sent via email on December 10, 2006 to all SWST accredited programs encouraging their faculty to join SWST

Special Charges for 2006-2007:

1. Conduct a membership survey
2. Follow up with delinquent members, trying to get them to reinstate.
3. Check with faculty at all SWST Accredited Education Programs and encourage membership in the Society
4. Investigate the possibility of new member services
5. Obtain annual reports from Affiliate Members

Response to Special Charges for 2006-2007:

1. Conduct a membership survey.

The membership survey was put on hold as the draft survey contained many questions concerning new services, and these new services are currently under development or have already been developed, such as resume posting and job listing on the SWST website, and electronic publishing.

2. Follow up with delinquent members, trying to get them to reinstate.

All members who had not paid dues for 2006 were sent a letter on October 13, 2006 asking them to pay their dues and reinstate their membership. The letter was sent again in May for all members who had not yet paid their dues for 2007.

In October 54 letters were sent; in May 59 letters were sent.

3. Check with faculty at all SWST Accredited Education Programs and encourage membership in the Society A letter was prepared and sent via email to the contact persons at each of the SWST accredited programs to ask them to encourage faculty membership in the society.

4. Investigate possibility of new member services. The membership survey was to survey needs for new member services. No action has been taken by the committee as many of the services under discussion are now in place, such as the updates on the SWST website including job listings, resumes postings and access by members to the electronic publishing of W&FS. Any other ideas for new member services are welcome.

5. Obtain annual reports from Affiliate Members. A list of affiliate members was obtained from Vicki Herian. The membership committee chair will send a letter requesting an annual report from each affiliate member.

- e. Newsletter – Adam Taylor, Editor Adam asked for any comments and information to be sent to him.
- d. Past Presidents' Council – Paul Smith, Chair Asked for DSA and Fellows Candidates be sent to Doug Gardner for 2008.
- e. **Policy and Critical Issues** – Bill Boehner, Chair

The LCI/LCA Position Statement has been approved by the Board and the membership. The Board has asked Bill Boehner, with the help of Bruce Lippke, to develop an implementation plan for distributing the statement.

- h. **Publication Policy** – Zhangjing Chen, Chair

SWST Publications Policy Committee, committee members, Zhangjing Chen (Chair), David Carradine, Pascal Kamdem, Jerry Winandy, Susan Anagnost (Exec Member).

The duty of our committee was to search for a company to host the electronic copies (pdf) of current and past issues of Wood and Fiber Science. The specific jobs for the company to do include, 1) create a webpage (SWST.org or some private Internet-provider (link thru the SWST.org webpage) of all +2800 W&FS pdfs, 2) create a system by which LIBRARIES and individual can pay a fee to SWST and then they can go thru the SWST-org webpage and enter a Members only area where they could download any W&FS PDF, 3) develop a SWST.org-based system by which each new issue of W&FS is available on the SWST.org just as soon as Sheridan Press goes to press. In this webpage, all SWST members can go thru the SWST-org webpage and enter a Members only area where they could download any W&FS PDF. Also all SWST members and member-Libraries will receive an Email (with a hot link) stating the new issue of W&FS is available for viewing at SWST.org.

Our committee has looked for the domestic and overseas companies. Many large and

small firms were contacted. Finally, we have collected four proposals from four interesting companies. Three of them are web-publishing service companies, IngentaConnect Service, MetaPress, Atypon Link. Another one is the local web design service, Interactive Design & Development at Blacksburg, Virginia. After receiving the proposals, our committee went over them and made selection. Many factors were considered during the process, cost, quality, location, reputation, maintenance and time frame.

Finally, we make our recommendation by corresponding with email and came to a consensus. We have preferred Metapress Company. Metapress was given a slight edge because of its reputation and location in North America.

We felt that the software company, IDD was not an acceptable option because it would require an SWST administrator to upload the documents for each new issue. With Metapress, Atypon or Ingenta, SWST is relieved of doing this work. If the Board would prefer to use a less expensive route (a software company) then the Board should be prepared to define and support an SWST site administrator.

Overall, Metapress, Atypon or Ingenta provide the same services. Atypon is the most expensive and does not appear to offer any advantages over the other two, while the costs for IngentaConnect and Metapress are very similar. Metapress is located in North America and its parent company, EBSCO, has a good reputation. Metapress has shorter time between receipt of articles and on-line access than IngentaConnect.

Now, we have selected the company. During the webpage constructing process, we suggest that a person need to work very closely with Metapress to make sure that the proper job is done.

Sue Anagnost also gave a powerpoint presentation showing the new and coming Online Wood and Fiber Science.

i. **Research Initiatives** – Mike Wolcott, Chair

The committee is working on hosting a Wood Science and Technology Research Summit with Agenda 2020, FPL, universities in 2008.

j. **Visiting Scientist Program** – Jilei Jang, Chair

There were two visits this year - Les Groom visited University of Maine, and Adam Taylor visited Laval University.

10. **Old Business** - Vote on Constitutional Change

Current

Article II -- Purpose and Objectives. The purpose of this Society is: (1) Developing and maintaining the unique body of knowledge distinctive to wood science and technology. (2) Encouraging the communication and use of this knowledge. (3) Encouraging policies and procedures which assure the wise use of wood and wood-based products. (4) Encouraging high standards for professional performance of wood scientists and technologists and acting as the professional organization for individuals who meet these standards. (5) Fostering education

programs at all levels of wood science and technology and furthering the quality of such programs.

Proposed

Article II – Purpose and Objectives. The purpose of this Society is:

- Develop and maintain the unique body of knowledge distinctive to wood science, **lignocellulosic materials, and their technologies**
- Encourage the communication and use of this knowledge
- Promote policies and procedures which assure the wise use of wood and **lignocellulosic materials**
- Encourage high standards for professional performance of wood scientists and technologists and acting as the professional organization for individuals who meet these standards
- Foster education programs at all levels of wood science, **lignocellulosic materials, and their technologies** and furthering the quality of such programs.
- **Represent the profession in public policy development**

Wording in **BOLD** represent changes.

A motion was made, seconded and passed to accept the Constitutional Change. It will now be sent out for a mail vote within 30 days of the Annual Convention, as established in the Constitution.

11. Teller's Report – Vicki Herian

The new Vice President is Jim Funck, and the two new Directors are Nicole Brown and Eva Haviarova.

12. New Business

2008 Annual Convention will be in Concepcion, Chile, on November 10-12, 2008. This will be cosponsored by Universidad de Bio Bio. They would also like to explore the possibility of accreditation of their programs in the future. The Board will schedule some time for discussion on this item while at the meeting. The Board will have their normal Board Meeting on the November 9. Alain Cloutier provided a dvd of the Concepcion area.

A motion was made, seconded and passed to adjourn the meeting at 1:00 pm.

Student Poster Competition – Judges: Alain Cloutier, Chair, Adam Taylor, Rod Stirling, Bob Seavey

Classification of red oaks (*Quercus rubra*) and white oaks (*Quercus alba*) wood using a NIR spectrometer and soft independent modeling of class analogies.

Emmanuel Oluwatosin Adedipe, Division of Forestry and Natural Resources, Davis College of

Agriculture, Forestry, and Consumer Sciences, West Virginia University,
Morgantown, WV. 26506-6125.

Predicting moisture content of Yellow-Poplar (*Liriodendron tulipifera* L.) veneer using near infrared spectroscopy.

Emmanuel Oluwatosin Adedipe, Division of Forestry and Natural Resources, Davis College of Agriculture, Forestry, and Consumer Sciences, West Virginia University,
Morgantown, WV. 26506-6125. US.

Environmental Impact of Hardwood Lumber Using Life-Cycle Inventory

Richard D. Bergman, USDA, Forest Products Laboratory, One Gifford Pinchot Dr., Madison, WI 53726

Quality vs. Price: A Positioning Analysis for US Treated Southern Yellow Pine Lumber in the Chinese Market

Xiaozhi "Jeff" Cao, Center for International Trade in Forest Products (CINTRAFOR), College of Forest Resources, University of Washington, Seattle, WA. 98195

A novel method to isolate fibrils from natural cellulose fibers by high intensity ultrasonication

Qingzheng Cheng, Tennessee Forest Products Center, University of Tennessee, 2506 Jacob Dr. Knoxville, TN 37996-4570

Small Specimen Wood Rheology: The Development of Torsional Methods on Wood Disks

Sudip Chowdhury, PhD Candidate, Department of Wood Science and Forest products, Virginia Tech, Blacksburg, VA 24061.

Chemical Wood Modification: Dimensional Stabilization of Viscoelastic Thermal Compressed Wood

Chris Gabrielli, Graduate Student, *Fredrick A Kamke*, JELD-WEN, Professor of Wood-Based Composite Science, Dept. of Wood Science and Engineering, Oregon State University, Corvallis, OR.

Improved OSB Formation Quality Through Production Process Control Using 3D Image Analysis and Laser Profilometry

Victor Gaete-Martinez, PhD Student, School of Forest Resources, University of Maine. *Stephen M. Shaler*, PhD Wood Science, Professor School of Forest Resources, Associate Director AVEC Center, University of Maine, *Russell Edgar*, M.Sc., Wood Composites Mgr., AVEC Center, University of Maine. Orono, ME.

Cellulose Nanocrystal Reinforcement of Wood Adhesives

Jung-Ki Hong, WBC Center Dynea Fellow, *Charles E. Frazier*, and *Maren Roman*, Department of Wood Science and Forest Products, Virginia Tech, Blacksburg, VA 24061

Accounting for Edge Effects and Structural Compliances in Nanoindentation

Measurements of Wood Cell Walls

Joseph E. Jakes, University of Wisconsin-Madison, Materials Science Program, 1509 University Ave, Madison, WI 53706, and USDA, Forest Products Laboratory, One Gifford Pinchot Dr., Madison, WI 53726

Measurement of stiffness of earlywood and latewood from Loblolly pine using digital image correlation (DIC)

Gi Young Jeong, Diniel P. Hindman, Department of Wood Science and Forest Products, Virginia Tech, Blacksburg, VA. 24060

Changes in community structure of mold and wood decay fungi on field stakes treated with Chlorothalonil (CTN) and Butylated hydroxytoluene (BHT).

Grant. T. Kirker, S. V. Diehl, M. L Prewitt, T. P. Schultz, and D.D. Nicholas, Forest Products Lab, Mississippi State University, MS

Tailored cellulosic fiber surface: layer-by-layer nanocoating of polyelectrolytes and clay platelets on steam exploded wood fiber.

Zhiyuan Lin, Graduate student, Department of Wood Science and Forest Products, Virginia Polytechnic Institute and State University, VA 24060, USA

Designing, fabricating, and evaluating sheet molding compound reinforced with glass or natural fibers.

Ryan H. Mills, School of Forest Resources, and Advanced Engineered Wood Composites Center, University of Maine, Orono ME, 04469, USA

X-RAY TOMOGRAPHIC STUDY OF AN ADHESIVE BONDLINE

Guenter G. R. Modzel, Graduate Research Assistant, Department of Wood Science & Engineering, Oregon State University, Corvallis, Oregon 97331, and *Frederick A. Kamke*, JELD-WEN Professor of Wood-Based Composite Science, Department of Wood Science & Engineering, Oregon State University, Corvallis, Oregon 97331

Characterizing the mechanism of improved adhesion of modified wood plastic composite (WPC) surfaces.

Gloria S. Oporto, Advanced Engineered Wood Composite (AEWC) Center, University of Maine, Orono, ME 04469, USA and Centro de Investigación de Polímeros Avanzados, CIPA, Universidad de Concepción, Edmundo Larenas 234, Concepción, CHILE, *Douglas J. Gardner*, Advanced Engineered Wood Composite (AEWC) Center, University of Maine, Orono, ME 04469, USA, *George Bernhardt*, Laboratory for Surface Science and Technology, University of Maine, Orono, ME 04469, USA, and *David J. Neivandt*, Department of Chemical and Biological Engineering, University of Maine, Orono, ME 04469, USA

Effect of Temperature on the Dynamic Mechanical Properties of Resin Film and Wood

Yucheng Peng, Graduate Research Assistant, *Sheldon Q. Shi*, Assistant Professor, and *Moon*

Kim, Professor, Department of Forest Products, Mississippi State University, Starkville, MS. 39759

Self-Assembly of Lignin

Karthik V. Pillai, Department of Wood Science and Forest Products, Virginia Tech, Blacksburg, VA 24061

Mechanical Behavior of Ready to Assemble Furniture Corner Joints (Minifix and Rondorfix)

Milan Simek, Department of Furniture, Design and Habitation, Mendel University of Agriculture and Forestry in Brno, Czech Republic, and *Eva Haviarova*, Department of Forestry and Natural Resources, Purdue University, West Lafayette, USA.

An overview of US Furniture Industry Competitiveness

Silas Tora, and *Eva Haviarova*, Department of Forestry and Natural Resources, Purdue University, West Lafayette, IN.

Multi-scale Characterization of Wood Plastic Composites Using Advanced Image Tools

Yi Wang, Department of Wood Science & Engineering, Oregon State University, Corvallis, OR 97331

Multi-Walled Carbon Nanotubes (MWCNTs) Produced from Natural Cellulosic Materials

Xinfeng Xie, Wood Science and Technology, University of Maine, Orono, ME 04469

Effect of bark extractives on the physical and mechanical properties of particleboards made from black spruce and trembling aspen bark

Martin Claude Ngueho Yemele, Ph.D. Candidate, Centre de recherche sur le bois (CRB), Département des sciences du bois et de la forêt, Université Laval, Québec, QC Canada G1K 7P4

Spray characteristics and resin efficiency of pMDI resin-adhesive using a spinning disk atomizer.

Xuelian Zhang, *Douglas J. Gardner*, Advanced Engineered Wood Composite Center, The University of Maine, Orono, ME 04469 and *Lech Muszynski*, Department, of Wood Science and Engineering, Oregon State University, 119 Richardson Hall, Corvallis, OR 97331

Wooden Adjustable Seating Furniture-Ready To Assemble

Hongtao Zhou, Grad. Research Assistant, and *Eva Haviarova*, Assistant Prof., Dept. of Forestry & Natural Resources, Purdue Univ., West Lafayette, IN

Nanoscale surface modification of wood veneer for adhesion and durability

Yu Zhou, WBC Center GP Fellow. and *Scott Renneckar*, Department of Wood Science and Forest Products, Virginia Tech, Blacksburg, VA 24061

The winners were: 1st Place – Joseph Jakes, 2nd Place – Zhiyuan Lin, 3rd Place – Chris Gabrielli.

Respectfully submitted,

VICTORIA L. HERIAN
Executive Director

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ABOUT SWST

The SWST Newsletter is published six times a year by the Society of Wood Science and Technology, One Gifford Pinchot Drive, Madison, WI 53705, USA.

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The Society of Wood Science and Technology is a technical and professional organization for scientists and engineers working in academia, government, consulting and the forest-products industries and is dedicated to providing education and expertise regarding better ways to use and produce wood products.

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2005-2006

LIST OF POTENTIAL SWST VISITING SCIENTISTS

ANDERSON, MATTHEW., 3700 RT. 44, Suite 102, Millbrook, NY 12545 (845-677-3091)

(FAX: 845-677-6547) email: m.anderson@verizon.net

Specialty: Wood science consulting and applied research.

Will Discuss Formally and Informally: Assessment of wood frame buildings (destructive and nondestructive); Evaluations of marine and foundation pilings; Investigation of construction related deficiencies; Microbiological evaluations (wood fungi, mold, bacteria).

ARMSTRONG, JAMES P., Associate Professor, West Virginia University, P.O. Box 6125,

Morgantown, WV 26506-6125 (304-293-2941, ext. 2486) (FAX: 304-293-2441)

email: jarmstro@wvu.edu

Specialty: Wood anatomy and physical properties; Contemporary issues in forest resources and the wood products industry.

Will Discuss Formally: Various topics related to forest resources in U.S. history (see: <http://www.wdsc.caf.wvu.edu/otherwebs/WDSC%20100.pdf>); Eco-terrorism--Its causes and impacts.

Will Discuss Informally: Any of the above; Education in WS&F; The enrollment problem in WS&T.

BABIÁK, MARIAN, Professor, Dr.h.c. RNDr. PhD, Technical University in Zvolen, T.G.Masaryka 24, 96053 Zvolen, Slovak republic (+421 45 5206 350) (Fax: +421 45 5330027)

email address babiak@vsld.tuzvo.sk

Specialty: Wood Structure and Properties

Will Discuss Formally: Wood Physics and Mechanics

Will Discuss Informally: Wood – Water Relations; Rheology of Wood; Transport Processes in Wood.

BARNES, H. MICHAEL, Professor, Forest Products Laboratory, Mississippi State University,
Box 9820, Mississippi State, MS 39762-9820 (662-325-3056) (FAX: 662-325-8126)
email: mbarnes@cfr.msstate.edu

Specialty: Wood deterioration and preservation.

Will Discuss Formally and Informally: Wood science education; wood preservation.

Will Discuss Informally: Same as above.

BOWYER, JIM L., Professor, Department of Bio-based Products, University of Minnesota, 2004 Folwell Avenue,
St. Paul, MN 55108 (612-624-4292) (FAX: 612-625-6286) email: jbowyer@umn.edu

Specialty: Environmental implications of biomaterials and bioenergy production and use.

Will Discuss Formally: Environmental aspects of forestry, timber harvest and wood use; The role of wood in the growing U.S. bio-energy industry; The Wood Science profession - Past, Present & Future; Environmental life cycle analysis; Life cycle inventory; Environmental education of children; The tropical deforestation problem.

Will Discuss Informally: Almost anything.

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BUSH, ROBERT, Professor, Dept. of Wood Science and Forest Products, Virginia Tech, Blacksburg, VA 20461-0323 (540-231-8834) (FAX 540-231-8176) email: rbush@vt.edu

Specialty: Forest products marketing and management

Will Discuss Formally: The marketing of forest products; Strategic planning and decision-making in wood-based industries; Forest products marketing research.

Will Discuss Informally: The above topics in addition to research to help improve student recruitment in Wood Science.

Bryant, Ben S., Professor Emeritus, CEO of Appropriate Technology Briquettes, Inc. (ATBI). Seattle WA, (206-522-6273) email: atbi@comcast.net

Specialty: Wood science and physics.

Will Discuss Formally and Informally: Above specialty.

CHEN, ZHANGJING, 506 Alleghany Street, Blacksburg, VA 24060, (540-552-8592) email: chengo@vt.edu

Specialty: Wood drying.

Will Discuss Formally and Informally: Above specialty.

CHOW, POO, Professor of Wood Science, Department of Forestry, University of Illinois,
W-503 Turner Hall, 1102 South Goodwin, Urbana, IL 61801 (217-333-6670) (FAX: 217-244-3219)
email: p-chow@unic.edu

Specialty: Physical, mechanical and chemical properties of wood-based materials.

Will Discuss Formally: Hardwood composites; Durability of wood for structural uses.

Will Discuss Informally: Durability of wood-base materials; Utilization of non-wood plant fiber.

COOPER, PAUL, Professor, Forestry Department, University of Toronto, 33 Willcocks Street, Toronto, Ontario, CANADA M5S 3B3

email: p.cooper@utoronto.ca

Specialty: Wood deterioration and protection.

Will Discuss Formally: Interaction with chemicals with the wood cell wall; CCA and Copper amine fixation; Environmental impacts of treated wood over the full life cycle; Recycling/reuse of treated wood.

Will Discuss Informally: Collaborative research; Graduate student recruitment; Teaching methods.

CUTTER, BRUCE, Professor, University of Missouri, 203 A-BNR, Columbia, MO 65211

(573-882-2744) (FAX: 573-882-1977) email: cutterb@missouri.edu

Specialty: Tree growth, wood quality.

Will Discuss Formally: General tree growth; Wood quality; Agroforestry; Fuel loading in oak-hickory forests.

Will Discuss Informally: Eastern red cedar as a biogeochemical monitor; General tree growth; Wood quality; Behavior of wood in fire situations; fire behavior.

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DeBONIS, A. L., President, Wood Advisory Services, Inc., P.O. Box 1322, Millbrook, NY 12545

(914-677-3091) (FAX: 914-677-6547)

Specialty: Wood engineering.

Will Discuss Formally and Informally: Design properties of lumber; Grading of structural lumber (visual and/or MSR); Reliability-based design; The role of consultants in the forest products field; Heavy timbers in residential and commercial construction; Hardwood structural lumber.

Elder, Thomas, Research Forest Products Technologist, USDA-Forest Service, Southern Research Station, 2500, Shreveport Highway, Pineville, Louisiana, 71360 (318-473-7008) (Fax: 318-473-7246) email: telder@fs.fed.us

Specialty: Wood chemistry.

Will Discuss Formally: Atomic force microscopy of wood and fiber surfaces; time-domain NMR of wood; fiber modification.

Will Discuss Informally: Molecular modeling of the chemical constituents of wood.

FLYNN, KEVIN, University of California Forest Products Lab., 1301 South 46th Street,

Richmond, CA 94804 (510-215-4242) (FAX: 510-215-4299) email: kevin.flynn@ucop.edu

Specialty: Wood performance; Problem analysis.

Will Discuss Formally: Durability; Degradation; Protection.

Will Discuss Informally: Any related issues.

FUNCK, JAMES W., Associate Professor, Oregon State University, Forest Products Department,

134 Richardson Hall, Corvallis, OR 97331-5751 (541-737-4207) (FAX: 541-737-3385)

email: Jim.Funck@orst.edu

Specialty: Optical and dielectric scanning for surface defects and roughness; Process modeling and simulation (lumber and plywood); Process control.

Will Discuss Formally: Above listed specialties.

Will Discuss Informally: Above listed specialties; Education - graduate and undergraduate.

GARDNER, DOUGLAS J., University of Maine, Advanced Engineered Wood

Composites Center, Department of Forest Management, 231 AEWB Building, Orono, ME 04469 (207-581-2846) (FAX: 207-581-2074)

email: doug_gardner@umenfa.maine.edu

Specialty: Wood adhesion; Wood composites.

Will Discuss Formally: Wood adhesion; Wood surface chemistry; Wood/plastic Composites; Wood Science Education.

Will Discuss Informally: Anything.

LACHENBRUCH, BARBARA, Professor, Oregon State University, Dept. of Wood Science and Engineering,

118 Richardson Hall, Corvallis, OR 97331 (541-737-4213) (FAX: 541-737-3385)

email: Barbara.Lachenbruch@oregonstate.edu

Specialty: Wood quality/silviculture interactions; Tree physiology.

Will Discuss Formally: Effects of tree biology on wood quality; Tree water relations and biomechanics as related to xylem structure.

Will Discuss Informally: Dual-career, women and family issues in grad school and academics.

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GLASSER, WOLFGANG G., Professor of Wood Chemistry, Virginia Polytechnic Institute and State University, Department of Wood Science & Forest Products, 210 Cheatham Hall,

Blacksburg, VA 24061 (540-231-4403) (FAX: 540-231-7664) email: wglasser@vt.edu

Specialty: Polymer and materials science aspects of forest products; Biobased materials from wood; Steam explosion.

Will Discuss Formally: Structure--property relationships of cellulose, xylan and lignin and their derivatives; Cellulosic thermoplastic polymers and composites; Lignin chemistry.

Will Discuss Informally: The Carbohydrate Economy: Technical, economic social .

GREEN, DAVID W., Engineer, Forest Products Laboratory, One Gifford Pinchot Drive, Madison, WI 53726 (608-271-9261) (FAX: 608-231-9592) email: dwgreen@fs.fed.us

Specialty: Engineering properties of wood.

Will Discuss Formally: In-grade testing of lumber; Effect of moisture content on lumber properties; Engineering properties of wood research at the U.S. FPL; Structural properties of hardwoods.

Will Discuss Informally: Almost anything; The research environment -industry vs. university vs. government.

GUPTA, RAKESH., Oregon State University, Department of Wood Science & Engineering, 114 RH, Corvallis, OR 97331 (541-737-4223) (FAX: 541-737-3305)

email: rakesh.gupta@oregonstate.edu

Specialty: Wood engineering/Mechanics; Mechanical properties/behavior of wood.

Will Discuss Formally: Above listed specialities.

Will Discuss Informally: Above listed specialities.

HAMMETT, A.L., Associate Professor, Dept. of Wood Science & Forest Products, Virginia Polytechnic and State University, 210 Cheatham Hall, Blacksburg, VA 24061-0323 (540-231-2716) (FAX: 540-231-8176) email: himal@vt.edu

Specialty: Forest products marketing.

Will Discuss Formally: International issues related to forestry and forest products.

JELLISON, JODY, Professor of Biology, University of Maine, 313 Hitchner Hall, Orono, ME 04469 (207-581-2995) email: jellison@umit.maine.edu

Specialty: Biodegradation of wood; Fungal metabolism.

Will Discuss Formally: Biological degradation of wood.

Will Discuss Informally: Interdisciplinary studies.

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KAMKE, FREDERICK A., JELD-WEN Professor of Wood-Based Composite Science, Dept. Wood Science and Engineering, Oregon State University, 104 Richardson Hall (541-737-8422)(FAX: 541-737-3385) email:fred.kamke@oregonstate.edu

Specialty: Wood-based and composites.

Will Discuss Formally: Heat and mass transfer during hot-pressing; adhesive penetration and distribution.

Will Discuss Informally: Composite processing and performance.

(Newly added) Kasal, Bo, Professor and Hankin Chair, Department of Civil and Environmental Engineering, Department of Architectural Engineering, Director of Research, Pennsylvania Housing Research Center, 219 Sackett Building, University Park, PA 16802 (814 865 2341) (Fax: 814 863 7304) email: buk13@psu.edu

Specialty: Residential construction; Wood engineering.

Will Discuss Formally: Residential structures in natural disasters; in-situ evaluation of historic wood buildings; performance of laminated wood frames in earthquakes.

KIM, MOON J., Department of Forest Products, Mississippi State University, Mississippi State, MS 39762-9820 (662-325-3109) (FAX: 662-325-8126) email: mkim@cfr.msstate.edu

Specialty: Wood Adhesives; UF resins; PF resins, PRF resins.

Will Discuss Formally and Informally: Above specialty.

KODZI Jr, EMMANUEL T., PhD. CANDIDATE, PURDUE UNIVERSITY, 175 MARSTELLAR ST., WEST LAFAYETTE, IN 47907 (765-496-6127) (Fax: 765-496-1344) email: ekodzi@purdue.edu

Specialty: MASS CUSTOMIZATION IN FURNITURE MANUFACTURING COMPANIES.

Will Discuss Formally: Linkages between Mass Customization and Competitiveness.

Will Discuss Informally: Critical Enablers of Mass Customization for Wooden Furniture Manufacturing Scenarios.

LITTLE, ROBERT L., Ph.D., R.F. Senior Project Manager, Weyerhaeuser Company. Wood Science and Engineering R&D Mail Stop: WTC 2B2 P.O. Box 9777 Federal Way, WA 98063-9777 Office: (253)924-4269 Mobile: (336)404-2132

Specialty: Drying of hardwood lumber.

Will Discuss Formally: Automated control of hardwood dry kilns, Control of corrosion in dry kiln buildings, General drying practices for hardwood lumber, and Kiln design considerations.

Will Discuss Informally: General wood technology.

LOFERSKI, JOSEPH R., Associate Professor, Virginia Polytechnic Institute and State University, Department of Wood Science and Forest Products, Brooks Forest Products Center, Blacksburg, VA 24061-0503 (540-231-4405) (FAX: 540-231-8868)

Specialty: Wood engineering, Design of wood structures, Long-term performance of buildings, Historic buildings

Will Discuss Formally or Informally: Preservation of historic wood structures; Long-term performance of wood structures; Building systems; Deterioration of wood building materials.

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MATER, JEAN Dr., Vice President, Forest Products Marketing Division, Mater Engineering,
101 SW Western Blvd., Corvallis, OR 97333 (541-753-7335) (FAX 541-752-2952)
email: Mater@mater.com

Specialty: Marketing forest industry policies; Forestry relations to public; Forest industry trends; Coordination of marketing and production; Forest industry and environment; Certification problems and opportunities.

Will Discuss Formally: All of the above.

Will Discuss Informally: Role of women in forest industry; Changing role of NIPFs.

McLAIN, THOMAS E., Professor and Department Head, Department of Wood Science & Engineering, Oregon State University, 119 Richardson Hall, Corvallis, OR 97331-5751 (541-737-4224);
<http://woodscience.oregonstate.edu> (FAX: 541-737-3385) email: Thomas.McLain@oregonstate.edu

Specialty: Role of wood in a global economy; SWST Accreditation Standards; strategic planning for forest products/wood science programs; academic, extension and research program administration challenges.

Will Discuss Formally: Recruiting students into WST programs; Introductory courses in FP/WST; SWST Accreditation Standards; The changing roles of wood in modern society; Integrating extension into a research and teaching program; Pacific Northwest forest conflicts.

Will Discuss Informally: Above topics and most anything else.

MORRELL, JEFFREY J., Professor, Department of Forest Products, 230 Richardson Hall,
Oregon State University, Corvallis, OR 97331-5751 (541-7737-4222) (FAX: 541-737-3385)
email: Jeff.Morrell@oregonstate.edu

Specialty: Wood microbiology; Biodeterioration; Preservation.

Will Discuss Formally: Remedial control of decay in wood structures; Proper use of wood in adverse environments; OSU's cooperative pole research program.

Will Discuss Informally: Biodeterioration and biological interactions; Treatability of refractory wood species.

No, Byung Young, PhD, Resin Chemist, Hexion Specialty Chemicals, Inc. R&D lab, 610 south 2nd street,
Springfield, OR 97477 (541-741-6663) (Fax: 541-747-3868) email: Byung.YoungNo@hexionchem.com

Specialty: UF and MUF resins for wood-based composite.

Will Discuss Formally: Hydrolysis resistant UF and MUF resins for particleboard and medium-density fiberboard.

Will Discuss Informally: UF and MUF resins for wood-based composites.

O'HALLORAN, MICHAEL R., President, Western Wood Products Association, 522 SW 5th Street,
Suite 500, Portland, OR 97204-2122 (503-224-3930) email: mohalloran@wwpa.org

Specialty: Wood engineering, mechanics, wood structures, codes, standards, research management.

Will Discuss Formally: Structural panel industry (Plywood, OSB, waferboard) status, markets, uses, standards, engineering design, LRFD design; Glued laminated timber; Structural composite lumber.

Will Discuss Informally: Trade associations; Structural panel topics; International markets;
above topics.

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PATTERSON, DAVID W., Research Professor, Forest Products Utilization, Arkansas Forest Resources Center, P.O. Box 3468, Monticello, AR 71656 (870-460-1652)

(FAX 870-460-1092) email: pattersond@uamont.edu

Specialty: Tree weights, Bulk Density, Small Log Utilization

Will Discuss Formally: Bulk Density Studies, Weight Scaling Factors, Inside Out Beams, Open Web Beams, Tree Growth and Wood Quality

Will Discuss Informally: Trip to Russia, 3 Trips to Guinea in West Africa, Old War Stories

RICE, WILLIAM W., Professor of Wood Science and Technology (retired), 137 Pine Street, Amherst, MA 01002 (413-549-0795) (FAX: 413-549-8010) email: wrice@forwild.umass.edu

Specialty: Wood drying; Wood machining.

Will Discuss Formally: Quality control - log to rough mill; Predriers, kiln equipment and operation.

Will Discuss Informally: Wood technology program; Extension activities;
New England Kiln Drying Association.

ROSS, ROBERT J., Supervisory Research Engineer, Forest Products Laboratory, One Gifford Pinchot Drive, Madison, WI 53726 (608-231-9221) (FAX: 608-231-9592) email: rjross@fs.fed.us

Specialty: Wood engineering, nondestructive testing, structural composite

Will Discuss Formally: Nondestructive testing; Structural composites; Wood engineering.

Will Discuss Informally: Vitality of SWST and wood engineering; Educating wood engineers
for the industry.

SHALER, STEPHEN, Professor, University of Maine, 5755 Nutting Hall, Orono, ME 04469-5755 (207-581-2886) (FAX: 207-581-2875) email: Steve.Shaler@umit.maine.edu

Specialty: Wood mechanics and composites.

Will Discuss Formally: Wood fiber properties; Computer and imaging applications;
Experimental mechanics.

Will Discuss Informally: Hybrid wood composites.

SHI, SHELDON QIANG, Assistant Professor, Box 9820, Mississippi State, MS 39762-9820 (662-325-3110) (FAX: 662-325-8126) email: sshi@cfr.msstate.edu

Specialty: Wood (Wood-plastics) composites, wood adhesion, moisture related properties of wood and wood composites.

Will Discuss Formally: Recycling of polymer fluff in wood composites; Contact angle determination of particles.

Will Discuss Informally: Moisture related properties of wood composites; Student recruitment issue.

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SMITH, BOB, Associate Professor/Extension Specialist, Virginia Tech, 1650 Ramble Road, Mailcode 0503, Blacksburg, VA 24061 (540-231-5876) (FAX 540-231-8868) email: rsmith4@vt.edu

Specialty: Forest products marketing; Professional sales in the forest products industry; Markets for wood in the U.S. infrastructure; Markets and perceptions of timber by engineers.

Will Discuss Formally: Marketing forest production; Perceptions of wood in the U.S. infrastructure; Educational needs in the forest products industry.

Will Discuss Informally: Timber bridges; Wood science and forest products at VPI; The Center for Forest Products Marketing and Management.

SMITH, W. RAMSAY, Global Research Manager, Arch Wood Protection, Inc., 3941 Bonsal Road, Conley, GA 30288 (404-362-3970) (FAX: 404-363-8585) email: wrsmith@archchemicals.com

Specialty: International trade in forest products; Hardwood exports; Wood quality influences on product acceptance in foreign markets.

Will Discuss Informally: Graduate programs in wood science and in international trade; Views of the future of the forest products industry; other topics as desired.

SMULSKI, STEPHEN, Ph.D., President, Wood Science Specialists, Inc., 453 Wendell Rd., Shutesbury, MA 01072 (413-259-1661) (FAX: 413-259-1610) email: woodsci@crocker.com

Specialty: In-service performance of wood and wood-base products in residential, commercial and industrial construction; Preventing degradation of wood in service.

Will Discuss Formally: Moisture problems and durability of wood-frame houses; Forensic application of wood science and technology

Will Discuss Informally: Consulting opportunities in wood science and technology; Career opportunities in wood science and technology.

TANG, R. C., Professor, School of Forestry, Auburn University, Auburn, AL 36849-5418
(334-844-1088) (FAX: 334-844-4221) email: tang@forestry.auburn.edu

Specialty: Mechanics and physics of wood and wood composites.

Will Discuss Formally: Long-term performance of wood composite structures; Creep models of wood composites under various environmental conditions; Elastic behavior of wood fibers; Dimensional stability and engineering reliability of wood composite structures; Duration of load behavior of lumber under changing environments; Effect of flake-cutting pattern and resin content on the mechanical and physical properties of flakeboard.

Will Discuss Informally: Undergraduate and graduate programs in forest products and wood science at Auburn; Mathematical models and simulation in forest and wood science.

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TEKLEYOHANNES, Anteneh Tesfaye, University of British Columbia, Dept. of Wood Science,
2424 Main Mall, Vancouver, BC, CANADA V6T 1Z4 (604-822-8203) (FAX: 604-822-9195)
email: anteneht@interchange.ubc.ca

Specialty: Wood products engineering--basic wood processing, Sawmilling; Drying and preservation; Composite materials and furniture.

Will Discuss Formally: Environmental aspects of wood products; Sawmilling; hydrothermal treatment of wood; and wood composite materials technology.

VLOSKY, RICHARD P., Ph.D., FIWSc., Director, Louisiana Forest Products Development Center and Professor, Forest Products Marketing School of Renewable Natural Resources, Louisiana State University Agricultural Center, Baton Rouge, LA 70803. Phone: (225) 578-4527; Fax: (225) 578-4251; Cell: (225) 223-1931;Email: vlosky@lsu.edu; URL: www.rnr.lsu.edu/lfpdc

Specialty: Marketing; Forest Sector-Based Economic development.

Will Discuss Formally: Marketing Principles, Domestic and international wood products marketing and business development; Technology applications to improve business competitiveness; eBusiness, eCommerce; Marketing applications to economic development; Environmental certification and marketing; Value-added product opportunities.

WANG, XIPING, USDA Forest Service, Forest Products Laboratory, 1 Gifford Pinchot Drive,
Madison, WI 53726-2398 (608-231-9461) (FAX: 608-231-9508) email: xwang@fs.fed.us

Specialty: Nondestructive evaluation (NDE) of wood; NDE of wood structural members/systems;
Wood drying.

Will Discuss Formally: NDE of trees, logs, lumber; NDE of structural members/systems.

Will Discuss Informally: Dry kiln control.

WIEDENBECK, JANICE K., Project Leader, USDA Forest Service, Northeastern Forest Experiment Station, 241 Mercer Springs Road, Princeton, WV 24740 (304-431-2708)

(FAX: 304-431-2772) email: jwiedenbeck@fs.fed.us

Specialty: Secondary wood products processing; Manufacturing system simulation modeling; Production control.

Will Discuss Formally: Research pursuits and accomplishments of Princeton WV's work unit "Improved Processing Technology for Hardwoods" including gang-rip-first research and application programs; Rough mill simulation models; Yield improvement research; New hardwood lumber processing systems and technologies, etc.

WINANDY, JERROLD, Project Leader-Engineered composites. USDA Forest Service, Forest Products Laboratory, One Gifford Pinchot Dr., Madison, WI 53726-2398 (608-231-9316)

(FAX: 608-231-9582) email: jwinandy@wisc.edu

Specialty: Engineered wood composites; Durability; Composites as tool for sustainable forestry.

Will Discuss Formally: Composites; Preservation; Property effects; Enhancing durability.

Will Discuss Informally: Standards; Codes; Physical/mechanical properties.

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Wolcott, Michael P., Professor, Wood Materials and Engineering Lab, Civil and Environmental Engineering, Washington State University, Pullman, WA 99164-1806 (509.335.6392) (Fax: 509.335.5077)

Specialty: Wood-based composite materials; viscoelasticity; adhesion.

Will discuss formally: Composites design, manufacture, and application; Bioproducts and Nanotechnology in the wood industry.

Will discuss informally: Commercial developments; Building products trends; Adhesion.

Yadama, Vikram, Asst. Professor, Wood Materials and Engineering Lab, Civil and Environmental Engineering, Washington State University, Pullman, WA 99164-1806 (509.335.6261) (Fax: 509.335.5077), vyadama@wsu.edu

Specialty: Wood-based composite materials; viscoelasticity; adhesion.

Will discuss formally: Wood engineering and design, composites and their applications.

Will discuss informally: Building developments and construction technology.

YAN, NING., Assistant Professor, University of Toronto, Faculty of Forestry, 33 Wilcocks St., Toronto, Ontario CANADA M5S 3B3 (416-946-8070) (FAX: 416-978-3834)

email: ning.yan@utoronto.ca

Specialty: Material science.

Will Discuss Formally: Wood composites performance; Adhesive-wood interactions; Wood/natural fiber plastic composites; Pulp and paper.

Will Discuss Informally: Durability and weathering of forest products.

ZERBE, JOHN I., 3310 Heatherdell Lane, Madison, WI 53713 (608-274-0714)

Specialty: Wood as a source of energy and petrochemical substitutes; Use of wood to combat global climate change.

Will Discuss Formally: Conversion of wood to improved fuels; Wood as a raw material for alcohol production; Reduction of atmospheric carbon dioxide through wood utilization by conservation, sequestration and substitution.

Will Discuss Informally: History of the forest resource as a source of fuel; Current thinking on wood as a source of energy; Impact of energy usage on the future of our economy; Impacts of atmospheric carbon dioxide increase.

Zhang, Jilei, Associate Professor, Forest Products Laboratory, Mississippi State University, Box 9820, Mississippi State, MS 39762 (662-325-9413)

(FAX: 662-325-8126) email: jzhang@cfr.msstate.edu

Specialty: Furniture engineering.

Will Discuss Formally: Strength design of furniture; furniture performance tests and standards; evaluation of wood and wood composites as furniture stock; computer-aided to furniture design and structural analysis.

Will Discuss Informally: Computer-aided to furniture design, analysis, and manufacture; furniture package design and testing; nondestructive evaluation of furniture structural performance.

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