

SWST Newsletter

~ August 2009 ~



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Note from the Editor

Please send items for the October 2009 SWST Newsletter to me by the end of September. AdamTaylor@utk.edu

WOOD SCIENTISTS WITHOUT BORDERS – SEND YOUR IDEAS

Please send your suggestions to [Vikram Yadama](#) or [Vicki Herian](#)

The idea of Wood Scientists without Borders is to work with local communities to benefit them via small projects, using such projects to generate interest in SWST.

Some possible ways would be through working with overseas colleagues who may not currently be SWST members, by enlisting students to participate, and by sponsoring workshops in selected communities.

This concept was inspired by Professor Dan Dolan's experience with Engineers without Borders (EWB) program. Dan took some Washington State U. students to Africa to work on a water supply system for a small community. In brief, the EWB program solicits bids for projects through their website (<http://www.ewbusa.org/>). Participants work with NGO's, government agencies, etc. to plan a project. Preliminary site visits, commitments from involved parties for financial and other resources, and fund raising efforts are typically components of the EWB program.

WOODWORKS

WoodWorks (www.woodworks.org) is an initiative of the Wood Products Council, which is a cooperative venture of all the major wood associations in North America, as well as research organizations and government agencies. As a result, it provides one-stop access to the widest possible range of information on the use of wood in non-residential structures.

WoodWorks technical advisors are available to provide one-hour educational seminars in-house to architects, engineers, builders, contractors, code officials and others. (They require a minimum of six people and will bring lunch!) WoodWorks is an approved AIA provider.

Eligible attendees qualify for one HSW credit per presentation.

Topics include: Common Framing Errors, Designing for High Winds, Fire Protection for Non-residential Structures, Sustainable Design Considerations, and Wood Product Overview. These are given in the North Central Region, California, and the Southeast.

They also provide online training, Wood Solutions Fairs, and day-long conferences. For more information on events in your area, go to

<http://www.woodworks.org/educationTraining/>

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2009 LAKES STATES TEACHERS FORESTRY TOUR COMMENTS

I'm amazed at how many stereotypes are out there and how much false and misleading information is given to the public. I now understand it is a complex process of carefully researching and maintaining to keep forests healthy through types of foresting. **Kelly Miller,**

Rochester, MN. Sponsored by Twin Cities Hoo-Hoo Club #12.

Thank you so much for this opportunity. It is great to know there are people out there that appreciate what we do and it gave me the spark I needed to get excited about what I do again. You have made me a better teacher. Thank you. **Lori Wester, Kettle River, MN. Sponsored by North Pacific Group.**

The multiple perspectives of this industry that we got to experience were a real eye opener! I became aware of forest certification standards and will now look for it! I will also embrace the paper industry more (vs. plastics and other materials) when being a consumer in our society. **Kate Olson, Winona, MN. Sponsored by Twin Cities Hoo-Hoo Club #12.**

The presenters were informed, passionate and amazing. We learned about so many different parts of forestry. I will make time to teach kids about the importance of forests. **Susan Peterson, Blaine, MN. Sponsored by North Pacific Group.**

There was a lot of information that I will use in both teaching and scouts as well as with my own children. I will also develop lesson plans on careers in forestry. **Juliane Chapman, Crystal, MN. Sponsored by Twin Cities Hoo-Hoo Club #12.**

This new knowledge will allow me to educate students about the forest, forest products, and why it is important to support the industry. **Laura Minnis, Altura, MN. Sponsored by Twin Cities Hoo-Hoo Club #12.**

I was pleased to see the environmentally sound practices in the various businesses and the emphasis on recycling. As I teach Wisconsin history and the history of the logging industry, I will have better knowledge about logging practices today. When the students tell me how bad it is to cut down trees I will have knowledge to share about the importance of harvesting and thinning. **Colleen Greene, Herbster, WI. Sponsored by Owens, Inc.**

The lumber/logging businesses are very responsible and have excellent stewardship. I will share with students the various jobs available in the forestry industry and how the industry uses wood products in different ways. [I enjoyed] the span of information gained from the various places we visited. **Peggy Greenwaldt, Morris, MN. Sponsored by Twin Cities Hoo-Hoo Club #12.**

On a personal level, I will be a much more conscious consumer. Before this tour, I had no idea what forest certified was! As a teacher, I want to pass this knowledge on to my students. I want to teach them to appreciate the forests and to be good stewards. **Kim Barber, Chunky, MS. Sponsored by Phil Hardin Foundation.**

[I enjoyed] the chance to share and get to know various teachers from around the state and nation. I will share with my colleagues and add to my unit on forestry with my students. **JoAnn Heule, Blaine, MN. Sponsored by North Pacific Group.**

[I enjoyed] the science on all levels of our tour. [I learned about] the efforts toward practicing and investing in sustainable forestry as an industry. **Katie Kyyhkynen, Duluth, MN. Sponsored by Owens, Inc.**

Great program. The opportunity can be life changing for many to see every day aspects of our lives often overlooked and misunderstood. [I plan to] communicate to students the challenges that forestry has and the gains they have made. **Sam Northey, Delano, MN. Sponsored by**

Twin Cities Hoo-Hoo Club #12.

Many of the HR people emphasized just how “green” the wood industries and forestry practices are. This is a key point that can be lost in our drive to “protect” forests. I think I will write down my lesson plans to illustrate the many steps it takes to make paper from tress. I believe it is essential for my students to understand where the paper they write on comes from. **Karen Christenson, Cohasset, MN. Sponsored by Twin Cities Hoo-Hoo Club #12.**

It was amazing! The passion the people showed and how much they loved this industry. I never knew how much science/math was involved in these careers. **Ann Marie Niziolek, Seven Hills, OH. Sponsored by Krueger Lumber and Louisiana-Pacific Corporation.**

[I enjoyed] all the information. Each [tour stop] has an important part of the learning process. **Kathryn Fairbanks, Bemidji, MN. Sponsored by Twin Cities Hoo-Hoo Club #12.**

Great organization and schedule! **Mary Kramasz, Jordan, MN. Sponsored by Siwek Lumber.**



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USING ‘CLICKERS’ IN INTERACTIVE PRESENTATIONS

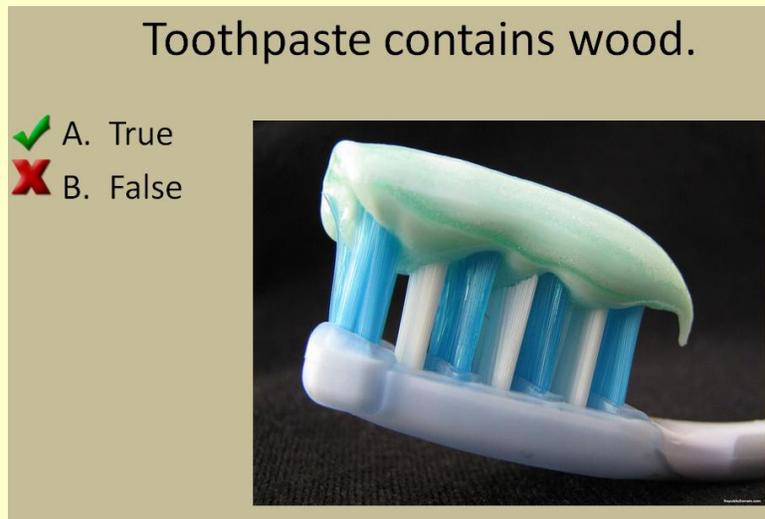
As we try and educate children of the importance of wood in our lives we face many challenges, but the biggest challenge is keeping them interested in the material. In the past we have kept their attention through the use hands on demonstrations like the Wood Magic Science Fair. Unfortunately, traditional hands on approaches are not always possible, because of limited space, children with disabilities, time constraints, and concerns over liability. Creating presentations using interactive audience response remotes (also called clickers) to answer question keeps the children engaged in the presentation, and makes them think about the world in a different way.

For the presenter, the clickers give immediate feedback from audience and creates talking points for dispelling myths or bad information, along with the opportunity to adjust the talk for the audience. When giving an interactive presentation there are a few simple rules to follow:

- Have a question to allow the audience to acclimate themselves with the technology.
- Not all presentations need to be interactive, use the technique wisely.
- An interactive presentation may take longer than a traditional presentation, prepare for it.

P. David Jones, Ph.D.
Assistant Extension Professor

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Forest Products Department
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Mississippi State, MS 39762-9820
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FAX: (662) 325-8126
Room 216 The Franklin Center



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WOOD PROS

We at Penn State hope this summer finds you successfully leveraging your shrinking resources into new and profitable opportunities. That is, we hope you're hanging on while this economy sorts itself out. We take it on faith that it is always darkest before the dawn.

In case you haven't noticed the newest features on the WoodPro website, we'd like to bring them to your attention. Our Penn State Center for Hardwood Industry Innovation and Sustainability, under the direction of Dr. Judd Michael, has gotten off the ground with three interesting *Executive Briefings* that relate to the current state of the industry. You might find them interesting...

<http://woodpro.cas.psu.edu/Briefings.htm>

And for those of you who are in to or considering the possibilities of producing or using wood for bioenergy, we have created a resource page with what we consider to be some of the best information out there.

<http://woodpro.cas.psu.edu/Bioenergy.htm>

Both features can be accessed from the right-hand column of our Home Page at

<http://woodpro.cas.psu.edu>

And if you have special topics for our industry experts to consider, or a favorite wood bioenergy site that we don't have listed, just let us know and we'll add it to our WoodPro knowledgebase.

Charles D. Ray, Ph.D.

Associate Professor, Wood Operations Research

The Pennsylvania State University

Email: cdr14@psu.edu

On the Web: <http://woodpro.cas.psu.edu>, <http://woodpro.cas.psu.edu/Ray.htm>

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WOOD EDUCATION AND RESOURCE CENTER LAUNCHES NEW ONLINE TRAINING INFORMATION EXCHANGE SYSTEM

The U.S. Forest Service Wood Education and Resource Center has created a new training information exchange Web site called HONE!. People seeking training in the wood products industries can use this Web site to search the course catalog or be notified automatically by e-mail about courses that fit their personalized search criteria as new courses are added. The HONE! Web site address is www.honeonline.info.

Wood Education and Resource Center Director Steve Milauskas said, "Forest products industries operate in an increasingly competitive environment. While training is rapidly becoming a survival strategy for many, finding appropriate instruction can be a cumbersome and frustrating process. Our goal with HONE! is to make it convenient for those seeking out education opportunities anywhere in the United States to easily identify opportunities, and for providers to readily get the word out about their programs. All that is required for both consumers and providers of training and continuing education programs to access HONE!, is to logon and register with the site—it's just that simple."

Program providers are encouraged to register on the HONE! Web site, then post teaching opportunities such as workshops, short courses, seminars, conferences, and continuing education and training programs.

The HONE! training information exchange system offers benefits for both training participants and providers, including:

An automatic e-mail system that notifies participants about offerings that meet specific education requirements

An easy-to-use registration process

The ability to easily browse the course catalog, and filter programs by topic, location, and dates

The ability for course providers to quickly gauge industry needs

A community forum to discuss training and training needs with others (both participants and providers)

A personalized “My Page” space to save program descriptions and other information for future reference

The system provides participants with a single, timely source for education programs; a simplified process for planning and scheduling training; and the ability to contact providers about instructional offerings and additional information.

This system also benefits instructors by providing:

An editable, easy-to-use system for posting program descriptions

An ability to reach potential participants nationally and across industry groups

Simplified access to program information and descriptions

Site metrics related to information posted to the Web site by each provider

For additional information, logon to the Web site or contact the HONE! Web site Administrator by calling (563) 652–5104 or sending an e-mail to woodtraining@gmail.com.

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DOVETAIL NEWSLETTER

<http://www.dovetailinc.org/content/outlook-july-2009>

The monthly e-newsletter of Dovetail Partners, Inc. A Trusted Source of Environmental Information

<http://www.dovetailinc.org>

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FOREST PRODUCTS SOCIETY CONFERENCES & MEETINGS IN 2009

Complete program and registration information for conferences in 2009 will be posted in PDF format when available. To contact the conferences & meetings department, phone (608) 231-1361, ext. 208, fax (608) 231-2152, or e-mail conferences@forestprod.org.

[International Conference on Woody Biomass Utilization](#)

August 4-5, 2009, Bost Conference Center, Mississippi State University, Mississippi, USA

[FPS Rocky Mountain Section Meeting - Wood-to-Energy and Biomass Utilization Short Course](#)

August 10-14 and August 17-21, 2009, Snow Mountain Ranch Conference Center, Winter Park, Colorado, USA

[International Conference on Wood Adhesives 2009](#)

September 28-30, 2009, Harveys Resort Hotel & Casino, Lake Tahoe, Nevada, USA

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CHAIR, UNIVERSITY OF KENTUCKY DEPARTMENT OF FORESTRY

Founded in 1865 as a land-grant institution adjacent to downtown Lexington, UK is nestled in the scenic heart of the Bluegrass region of Kentucky. Recently ranked as one of the safest, most creative, and the brainiest cities in the nation, Lexington is an ideal location to experience the work-life balance that the University strives to provide to its employees. See for yourself what makes UK one great place to work.

Chair, Department of Forestry - SM526992 University of Kentucky Department of Forestry

The successful candidate will provide direction and leadership for the College of Agriculture's Department of Forestry, whose vision is to be widely recognized for improving the condition of human and biotic communities through learning, discovery, and outreach activities relating to forests and natural resources. The Chair will facilitate the Department's efforts to enhance and develop national prominence in research and graduate education, as well as address a broader range of biodiversity conservation, environmental and natural resource issues. The Department Chair will also provide leadership for its Society of American Foresters accredited Forestry undergraduate program as the Department implements its newly enhanced core forestry curriculum. The Chair serves as the chief academic officer, administrator and program leader for the Department of Forestry, reporting directly to the Dean of the College of Agriculture.

Responsibilities include recruitment, mentoring and evaluation of faculty, management of budget and departmental resources, and interaction with external constituencies.

Applicants must hold a Ph.D. in Forestry or a related discipline and have demonstrated ability to develop and implement a vision for the departmental mission, as well as possess the ability to lead excellent teaching, research, and extension programs. Demonstrated ability to support nationally prominent research and graduate education is a key qualification. Candidates must have a clear understanding of the land-grant university mission and a broad vision for the Department's role within the system. Administrative experience and/or evidence of potential for effective administration and a national reputation for excellent scholarship from an academic or other research institution is required. The search committee is especially interested in candidates who, through their leadership, organizational and inter-personal skills will contribute to the diversity and excellence of the academic community. Applicants should also meet qualifications for immediate tenure in the Department and rank of full professor.

The Department of Forestry currently has 16 full-time faculty positions (including two open faculty positions) and eight research or extension specialists who contribute to active and wide-ranging research and extension programs. The Department faculty share leadership and teaching responsibility for an interdisciplinary undergraduate program in Natural Resources and Conservation Management in the College of Agriculture. The Department also has significant off campus resources available to supports its mission including the nationally recognized Wood

Utilization Center and Robinson Forest, both located at the Robinson Center for Appalachian Resource Sustainability in eastern Kentucky.

To apply for job # SM526992, a UK Online Application must be submitted at www.uky.edu/HR/ukjobs. Only those who apply on UK's Online Employment System will be considered.

Interested applicants should attach four documents: curriculum vitae with the names and addresses of three references (Resume), cover letter (Cover Letter), and a 1 page statement of administrative philosophy relating to the focus of the position (Specific Request 1). The position is available immediately for acceptance of applications.

For information about the Department of Forestry and the University of Kentucky, see <http://www.ca.uky.edu/forestry/> and <http://www.uky.edu/>. For information about living in Lexington, see <http://www.lexingtonky.gov/>.

Questions about the position should be directed to Dr. Lynn Robbins, search committee chair, lrobbins@uky.edu, 859/257-5762.

Application deadline is Sept 30, 2009, but may be extended as needed.

Upon offer of employment, successful applicants for certain positions must undergo a national background check and pre-employment drug screen as required by University of Kentucky.

The University of Kentucky is an equal opportunity employer and encourages applications from minorities and females

Heather Gray, National Account Manager

heatherg@bayardad.com

bayard advertising agency inc.

550 S. Wadsworth Blvd. Suite 500 Lakewood, CO 80226 303.571.2000 Phone I 303.571.2002
Fax

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GS-14/15 OPENINGS IN COLORADO

The Rocky Mountain Research Station will have several GS-14/15 openings over the next few months. Some will also be available as detailer positions. Please help us by networking these with potential candidates. Our notices will be located in the FS Outreach database and our job vacancy announcements will be located in USAJOBS. If you have interest in a particular position please let me know and I'll put you on the outreach mailing listing.

1) Assistant Director for Strategic Management and Accountability-GS-401-14/15, Fort Collins

2) Assistant Director for Operations-GS-301-14, Fort Collins, open soon, detail

3) **Assistant Director for Communications**, GS-401-14, Fort Collins- open soon

4) **Supervisory Statistician**-GS-14 open now, Fort Collins'

Alison

Alison Hill, Deputy Director
Rocky Mountain Research Station
240 W Prospect Road, Fort Collins, CO 80526
970-498-1365 (office), 970-498-1354(fax), 970-631-2438 (cell),ahill01@fs.fed.us

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**RESEARCH ASSOCIATE
NANO-ADDITIVES FOR WOOD-BASED COMPOSITES AND
WOOD FIBRE-BASED HOLLOW CORE STRUCTURES**

Department of Wood Science
University of British Columbia
Vancouver, Canada

A Research Associate position is available in the field of properties improvement in wood based panels and design, manufacture and testing innovative hollow core structures based on wood fibre. The position is for one year with the possibility of extension and under the direction of Dr Greg Smith, Wood Composites Group. The successful candidate will be responsible for the planning, management and execution of two projects – one on nano-additives for property enhancement of wood-based composites and the other on the development of hollow core panels – and the associated production of technical reports to funding agencies and day-to-day supervision of and assistance to graduate students engaged in the research. Applicants must have a PhD and extensive post-doctoral/research associate level experience in wood-based composites manufacture and technology, preferably including hollow core composites. Other prerequisites include demonstrated experience in externally funded research project management, and excellent written and oral communication skills. Some previous teaching experience in the field of wood science and technology is also desirable. Applications should include a curriculum vitae, a short statement of research interests, and a portfolio showing relevant experience in wood composites manufacture and furniture design and construction.

Please e-mail applications and contact information for three referees to: Dr. Greg Smith at greg.smith@ubc.ca by August 1, 2009. The position is available as soon as possible. The University of British Columbia hires on the basis of merit and is committed to employment equity. All qualified candidates are encouraged to apply; however, priority will be given to Canadian citizens and permanent residents of Canada. Candidates from this group are

encouraged to self-identify.

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RESEARCH ASSOCIATE POSITION IN WOOD AND NATURAL FIBER – POLYMER COMPOSITES

Mississippi State University (MSU), Forest Products Department welcomes applications for a Post-doc Research Associate position in Wood and Natural Fiber – Polymer Composites.

Job Function

To conduct research projects in the area of wood and natural fiber/polymer composites processing, characterization, and etc..

Essential Duties and Responsibilities

Conduct independent research projects.

Develop project reports.

Assist to develop research proposals for submission to the National Funding Agencies.

Prepare and author papers for submission to refereed journals.

Minimum Qualifications

Ph.D. in Wood Science, Polymer Science, Chemistry, or related fields. Research experience on wood and natural fiber/polymer composites, surface chemistry, and polymer engineering. The candidate should have proven ability to undertake a research project independently and publish the results. The candidate should be a team player willing to work with others.

The duration of this position is one year, but can be renewed depending on the funding. The Interested persons please send CV to:

Sheldon Q. Shi, Ph.D.

Assistant Professor, Wood and Natural Fiber Composites

Forest Products Department

Mississippi State University

Box 9820

Mississippi State, MS 39762-9820

Phone: 662-325-3110

Fax: 662-325-8126

Email: sshi@cfr.msstate.edu

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WOOD & FIBER SCIENCE EDITOR'S REPORT

From: Frank Beall

Date: 29 July 2009

Subject: Editor's Quarterly Report

This is the quarterly report that coincides with the publication of an issue.

●41/3(July) has been issued with 13 papers, including 2 Technical Notes (one was originally a full paper that was not acceptable as such). To date, we have 17 papers in the review process, 5 being revised, and 10 completed or moving ahead to galley. The number of submissions has increased (Apr: 6, May:4, Jun: 5, Jul: 9), so we should be able to continue publication at an increased rate.

● No new books reviews have been recommended—doesn't anyone write anymore?

● CORRIM special issue. All 11 papers (plus an introductory piece) have been received. Review have been completed on 3 papers. The last quarter of 2009 is the probable publication date.

● Repeated below are the Impact Factors for the past three years (each based on 2-yr citations); these are published about mid-year for the previous year, so the 2008 numbers have just been received. There is now a new 5-yr IF that may be a better measure of citations.

	2006	2007	2008	5-yr
Holzforschung	1.014	0.811	1.278	1.336
Wood Science and Technology	0.74	0.691	1.460	1.570
IAWA Journal	0.667	0.687	1.000	1.176
Wood and Fiber Science	0.54	0.555	0.702	0.905
Forest Products Journal	0.387	0.351	0.550	0.669

All IF increased considerably 2007 to 2008; WFS had the smallest increase. However, in looking at the 2008/2006 ratios, WFS and Holzforschung had about the same increase. For whatever reason, the ratio of WFS 5-yr IF to the (2-yr) 2008 IF is by far the highest (about 29% higher as compared with Holz and WST at 5 and 8%, respectively. It could be related to the fact that we were just recently on-line, whereas the other two have been on-line for a considerable period.

●Publication Report

As reported previously, below is both historical and current information.

Issue	40/2	40/3	40/4	41/1	41/2	41/3
	(Apr)	(Jul)	(Oct)	(Jan)	(Apr)	(Jul)
Articles	16	16	18	10	10	13
Pages	163	168	200	100	103	100
Ave pub (mo) 14		11	9	6(7)*	6(4)*	5.6(3.5)

*Starting with 41/1, time to publication has two average times (to preprint posting and hard copy issue). We seem to have stabilized at about 4 months to prepublication and 6 to printed copy.

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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. Items for the Newsletter may be sent to Adam Taylor, at: AdamTaylor@utk.edu

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. Tel: (608) 231-9347 Fax: (608) 231-9592 E-mail: yherian@fs.fed.us
Web site: <http://www.swst.org>

Society of Wood Science and Technology

President:	James Funck
Past President:	Jerrold Winandy
President Elect:	Susan Anagnost
Vice President:	Todd Shupe
Executive Director:	Vicki L. Herian
Directors:	Vikram Yadama (2008)
	Robert Bush (2008)
	Steve Quarles (2009)
	Sheldon Shi (2009)

Wood and Fiber Science Editor:	Frank Beall
Newsletter Editor:	Adam Taylor

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52ND SWST ANNUAL CONVENTION MINUTES

June 24, 2009

Doubletree Boise-Riverside

Boise, Idaho

11:45 - 1:30 pm

Laurel Room

Business Meeting

Award Presentations

George Marra Awards

First Place --- Heiko Thoemen and Christian Ruf, “Measuring and simulating the effects of the pressing schedule on the density profile development in wood-based composites” published in Vol. 40, No. 3

Second Place --- Brad Jianhe Wang, Chunping Dai, and Steve Wharton, “Impact of mountain pine beetle-attacked lodgepole pine logs on plywood manufacturing” published in Vol. 40, No. 3

2008-2009 committee members were: Chair: Thomas Eberhardt, Kurt Bigbee, Steve Kelley, and John Phelps.

Fellow Award

Douglas D. Stokke

Distinguished Service Award

Carol B. Ovens and Thomas E. McLain

Student Poster Competition Award

First Place – Arijit Sinha, Wood-based Composite Center Fellow, Oregon State University, Corvallis, OR 97331 ”Thermal Degradation of Strength of Plywood and OSB: A Kinetics Approach”

Second Place – Günter G. Modzel, Graduate Research Assistant, Oregon State University, Corvallis, OR, 97331, “3-D micron-scale assessment of an adhesive bond in response to cyclic moisture”

Third Place –Zeki Candan, **PhD Candidate, Research Assistant, Department of Forest Products Engineering, Forestry Faculty, Istanbul University, Bahcekoy, Sariyer, 34473, Istanbul, Turkey**
Thickness Swelling, “Water Absorption and Vertical Density Profile of Medium Density Fiberboard Panels Affected by Continuous Press Pressure”

The other participants in the competition and their posters were:

Jie Ding, Oregon State University, 263 Richardson Hall, Corvallis, OR 97331

Morphology Based Modeling of Micro-Mechanics and Failure Mechanisms in Bio-Materials with Polymer Matrices

Ning Guo, Oregon State University, 119 Richardson Hall, Corvallis, OR 97331

Hygro-mechanical response of clear softwood specimens to compression under cyclic climate

Farzana Hussain, Department of Materials Science and Engineering, Oregon State University
Corvallis²Wood Science and Engineering, Oregon State University, Corvallis, OR 97331

Development of Test Methods for the Tensile Fatigue Properties of Wood-PVC
Composites

Nathan E. Irby, Hofmann Fellow, North Carolina State University; Terry L. Amburgey,
Professor, Shane C. Kitchens, Assistant Professor, Mississippi State University

Anti-Sapstain Biocides for Fresh Southern Hardwood Logs When Delays Occur between Felling
and Water-Spray Storage

Michael Karas, Oregon State University, 119 Richardson Hall, Corvallis, OR 97331

Sustainable Bio-Composites for West Coast Highways

Natalie Mascia, Oregon State University, 119 Richardson Hall, Corvallis, OR 97331

Examining the Effect of Price, Wood Source, and Environment Certification on Architects'
Purchase Decisions of Wood Flooring

Juan Jacobo Paredes, University of Maine, School of Forest Resources and AEW, Orono, ME
04469

Volatile Organic Compound Emissions and Performance of OSB from Extracted Southern
Yellow Pine

Judges for Student Poster Competition – Jim Armstrong, Fred Kamke, Jan Weidenbeck, and Bob
Rice

Minutes of 2008 Annual Convention - Published in the December 2008 Newsletter. A motion
was made, seconded and passed to accept the 2008 Annual Convention Minutes.

President's Remarks – Jerrold Winandy

Several years ago I was given the great responsibility and opportunity to represent you, the
members of SWST, on the Executive Board. In this endeavor, I have also had the honor and
privilege to work with many great fellow Executive Board members. I strongly encourage those

of you who want the challenge to step forward. We need your talents and your energy to keep this momentum we have gained moving forward. It truly has been an exhilarating experience for me and it will be for you too.

Over these last few years we have striven to:

- 1) Insure the financial stability of SWST
- 2) Enhance the influence and outreach of SWST into international communities
- 3) Improve services to members:
 - Faster publication time in Wood and Fiber Science
 - Improved scientific impact factor for W&FS
 - Additional opportunities for travel grants
 - Improved member Newsletter for speedy information sharing
- 4) Development of new focus for SWST
 - Revised Mission, Vision, and Goals
 - Revised Strategic Plan
 - Developed new National Research Needs Assessment
- 5) Rebuild linkages with old and new affiliates (e.g., FPS, ASCE, Agenda 2020, PPERA, IUFRO etc.)

This is an exciting time for SWST. We are standing at a crossroads that presents an opportunity that may affect the future of wood science and its technologies as never before. If public perceptions truly start to favor public policies that encourage sustainable biomaterials and bio-based energy, then the need for our talents and science will explode.

I thank you for your support and encourage each of you to work with us to move SWST and our field of science forward. Today's meeting program is geared to prepare us for that future.

Thank you.

Jerrold E. Winandy, President July 2008-June 2009

Executive Director's Report – Vicki Herian

Current Members as of June 1, 2009

Full members 297

Members as of June 1, 2008

Full Members 296

Student members	72
Retired members	39
Emerging Full	9
Emerging Student	<u>5</u>
TOTAL	422

Student members	61
Retired members	40
Emerging Full	8
Emerging Student	<u>6</u>
	411

USA members	299
Canada members	50
Mexico members	3
Overseas members	70

Subscribers as of June 1, 2009

Subscribers	189
USA	84
Canada	14
Mexico	0
Overseas	91

Subscribers as of June 1, 2008

Subscribers	192
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Delinquent Members

Delinquent members as of 6/1/09 for 2009 dues: 71 total – 36 full, 32 student, 3 retired
 Compared to delinquent as of 6/1/08 for 2008 dues: 50 total (22 full, 25 student, 3 retired)
 Delinquent subscribers for 2009 as of 6/1/09: 36 total (14 USA, 22 foreign)
 Compared to delinquent subscribers for 2008 as 6/1/08: 41 total (16 US, 25 foreign)

Vanguard Accounts and CD's

The balance in the five Vanguard funds was \$ 74,216.90 on March 31, 2009 (the date of the last statement). The current balance for the Vanguard Index Fund (student poster money) is \$10,039.91. The CD balance as of 3/31/09 was \$59,212.54. The savings balance is \$60,599.25

Checking Account

The balance in the checking account as of June 1, 2009 is \$ 59,956.26.

Student Poster Competition Fund History and Status

Contributors are: APA – The Engineered Wood Association, Asian Woods Company, Balazs Zombori, California Cedar Products, Entwood LLC, FPInnovations - Forintek, Iowa State University, Louisiana State University, 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.

2008 Annual Conference

The first international meeting outside of North America was held on November 10-12, 2008 in Concepción, Chile at the Universidad del Bío-Bío, a cosponsor and co-organizer of the meeting. There were five sessions during the first two days dealing with (1) [Timber Engineering](#), (2) [Global Trade in Forest Products](#), (3) [Wood Quality: Challenges in the 21st Century](#), (4) [Advanced Processing of Timber in the 21st Century](#), and (5) [Technical Poster Session](#). Each session had a North American and South American Co-Chair. The last day of the Convention was a day-long tour of the area and the forest products industry, beginning with a visit to Nueva Aldea (a combination sawmill, fiberboard, & paper mill) and continuing with a visit to Forestal Mininco's plantation and its nursery/greenhouse. The official languages of the Conference were English and Spanish. Simultaneous translations were available to all. There were 120 participants from 16 countries. Countries were: United States, Canada, Mexico, Brazil, Argentina, Chile, Uruguay, New Zealand, Germany, China, France, Australia, Norway, Switzerland, Finland, and Costa Rica. All the participants received a flash drive with the proceedings of the meetings which included full papers of all presenters. Sponsors of the meeting were: Universidad del Bio-Bio, Concepcion, Chile; IUFRO (International Union of Forest Research Organizations Division 5 - Forest Products; CORMA – (La Corporación Chilena de la Madera); ATCP-Chile (Asociacion Tecnica de la Celulosa y el Papel); USDA Forest Service; TECO (Timber Engineering Company); Forestal Mininico S.A.; Arauco; Akzo Nobel; and Oxiquim. We have received \$500 from TECO, \$250 from Informa UK Ltd, and \$5000 from USDA FS for monetary sponsorship.

2010 Annual Conference

The 2010 International Convention will be held in Geneva, Switzerland October 11-15, 2010, at the Palais des Nations, in conjunction with the UNECE/TC meetings. I will be attending the 2009 UNECE/TC meeting October 12-15, to see how they operate, get a feel for how and where we will fit in, confirm a hotel and other local arrangements, and work with Dr. Pepke to make arrangements. I have identified several alternative hotels to the Intercontinental Hotel, which would have lower room rates, and will tour all of them. Sue Anagnost, who will be President at that meeting, is working on the program with a possible topic area of green materials and buildings. IUFRO Division 5 has agreed to co-sponsor this meeting and the 2012 meeting as well.

2011 International Convention

The 2011 Convention will be cosponsored by Forest Products Society in Portland, Oregon, June 22, 2011, at the Doubletree Hotel in Portland, Oregon.

2012 International Convention

Jerry Winandy and I spent a week in Beijing March 15-21. We met with CAF staff - Kelin Ye (Director of the Research Institute of Wood Industry) Jianxiong Lu (Deputy Director of the same institute), Manzhen Xiong (Deputy Director of Science and Technology Division of same institute), and various other people at CAF. We also began discussions with people from Woodlab, Beijing Forestry University, and China National Forest Products Industry Association who may be possible sponsors. We toured the CAF meeting facilities. We checked out some tour companies and the possibilities of guest tours and also industry tours. Jerry went to a MDF plant in the area and a Wood Market (a glorified Home Depot). Other industry tour possibilities could be CAF if we don't hold the meeting there, INBAR (Bamboo and Rattan Society), Beijing New Building Materials Group which manufactures and exports flooring, furniture, and building materials. Some guest tour ideas are the Great Wall, Forbidden City, Temple of Heaven, Baihe Park, Houhai area, Olympic Park, Summer Palace, Ming Tombs, and more. More than 1 day tours are also available to outlying cities.

We would like to hold the meeting August 27-31, 2012, in possible conjunction with Chinese Society of Wood Industry (CSWI) and/or Chinese Society of Wood Science. A possible scenario might be Monday the CSWI meeting, Tuesday and Wednesday and maybe Thursday morning (with CAF tour in the afternoon, the SWST meeting, Friday the industry tour, and offering either weekend on both sides as social/guest tour possibilities. Possible Session Titles were: Global Trade, Fundamentals of Wood Science, Advanced Processing, Sustainability and the Change Forest Resource.

Wood and Fiber Science Items

I have taken out an ad for Wood and Fiber Science in several Ebsco's marketing mechanisms - 2009 Booksellers' Handbook, Electronic Media Catalog, Sample Issue Program, and Serials Catalog. I have a new rate sheet that shows 2009 pricing and site licensing options. We are using Sheridan Press copy editor services for now that Carol has retired. Frank Beall and I are monitoring costs. Sheridan does have a TOC alert and will work with us to use it.

SWST Web Pages

All web pages have been updated as of May 2009.

The Committee Handbook for 2008-2009 has been emailed out during the year to committee chair and has been updated periodically. It can be found on the webpage under "Leadership". The 2009-2010 Handbook will be prepared in July and emailed to chairs and board members.

We've added student thesis and dissertations titles to the SWST webpage. You can find these at <http://swst.org/WFSThesisTitles.html>

We've advertised the Site License option now available for subscriptions to Wood and Fiber Science, to be used if companies have more than one IP address they would like for online access.

We've added a page to the website for pre-publication list of papers for W&FS volumes. This can be found at <http://swst.org/prePublication.html>

You can change your id number now to something that is more easily remembered by going to the Member Login page. You will have to enter your old number first, but then can change it. <http://swst.org/memberLogin.html>

Don't forget the Job Announcements page and the Resumes page

<http://www.swst.org/jobs.html>

<http://www.swst.org/resumes.html>

We will be sending out "Instructions on how to Browse the SWST Website and What's There" soon to members.

Miscellaneous

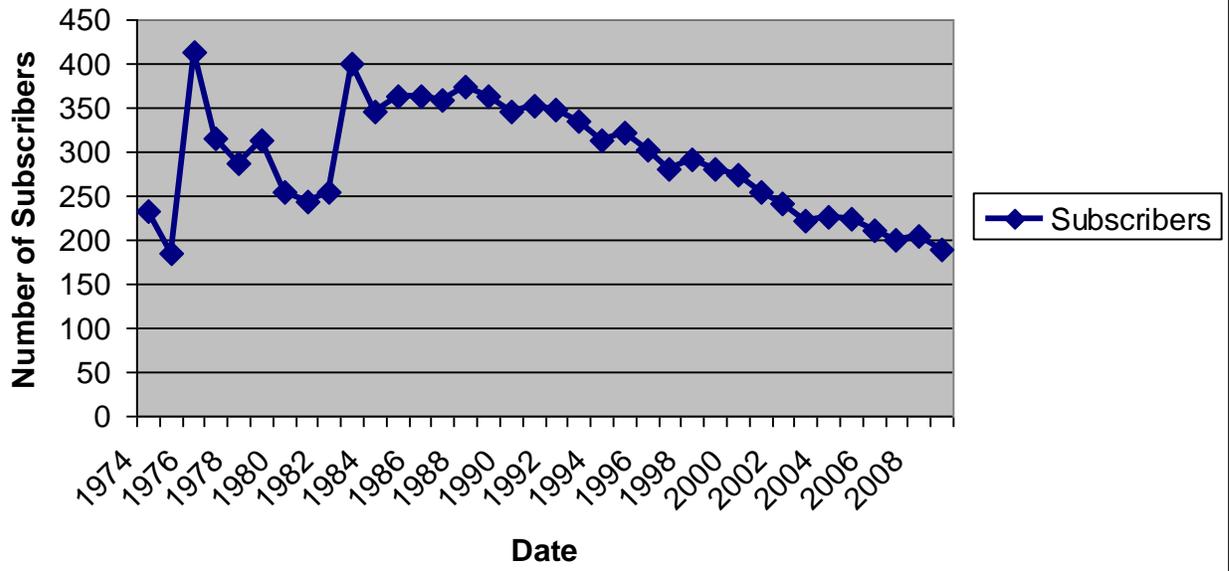
A Balance Sheet and Income Statement for January-December 2008 and one for January-May 31, 2009 are attached. The 2010 Budget is also attached.

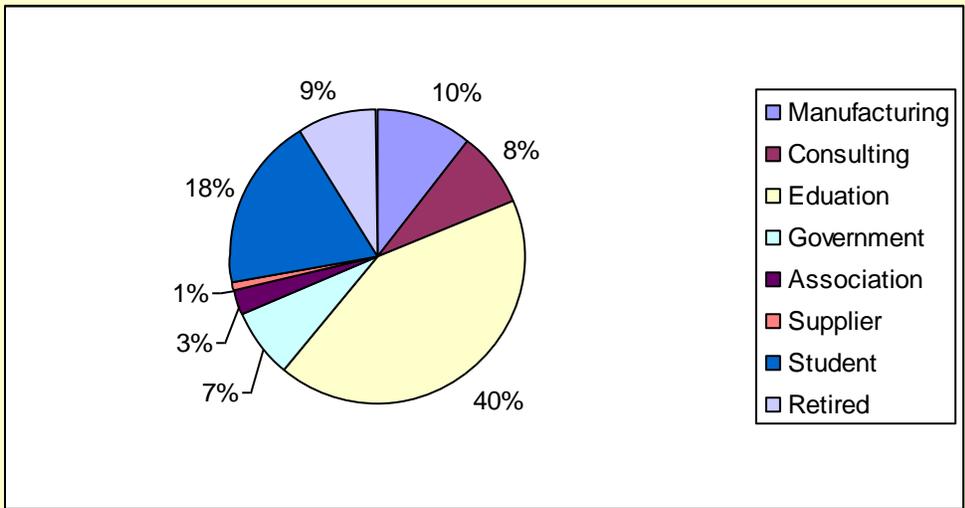
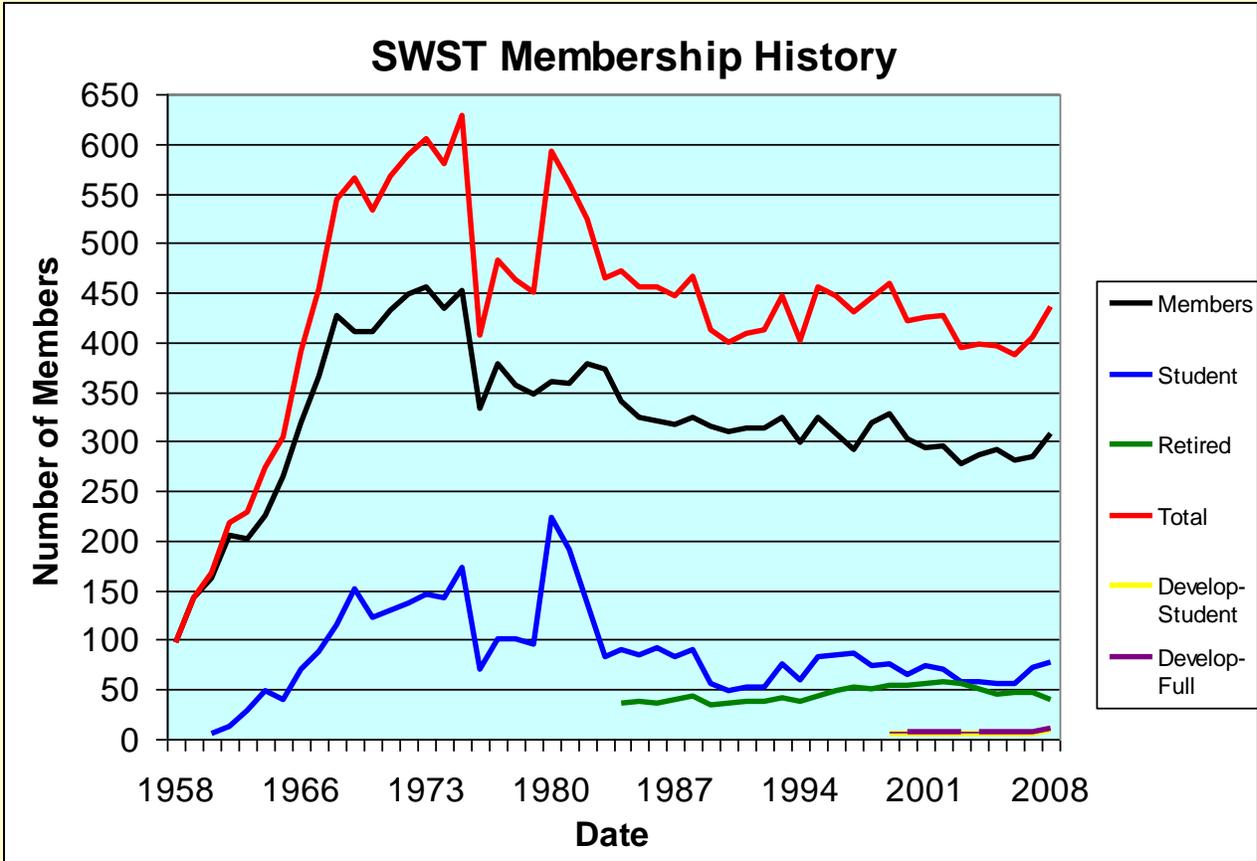
As of June 1, 2009, the following is the status of delinquent page charges. They have been sent 2nd and 3rd email notices.

40(3) \$1620.00 Roos and Nyrud, Norwegian University of Life Sciences.

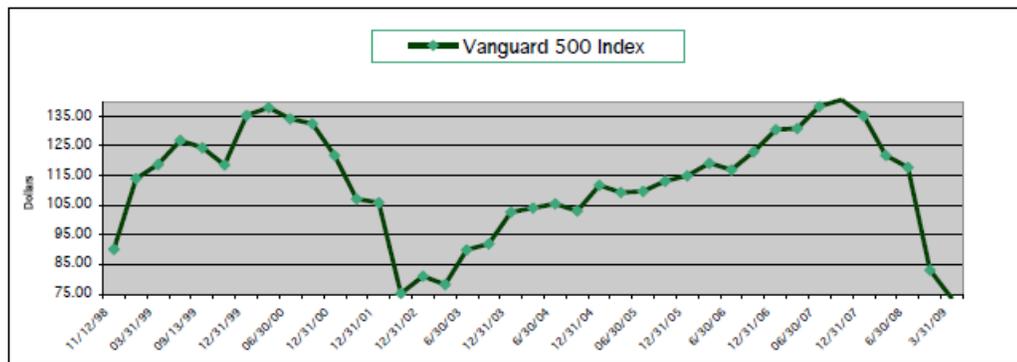
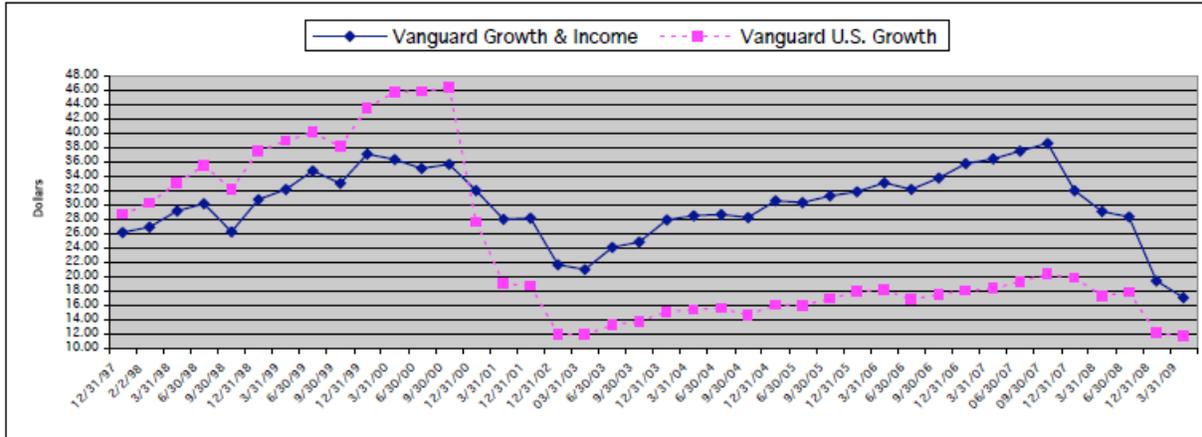
All of 41(2) have all been paid. 41(3) has just been invoiced, but have already received payment for 5 papers.

Subscribers





Share Prices - Vanguard Portfolio



Share Prices - Vanguard Portfolio

	<u>Vanguard U.S. Growth</u>	<u>Vanguard Growth & Income</u>
Beginning Balance	\$22,500.00 (2/2/98)	\$23,600.00 (2/3/98)
End Balance	\$12,814.02 (3/31/09)	\$22,213.84 (3/31/09)
Gain/Loss	-\$9,685.98	-\$1,386.16
	<u>Vanguard Money Market Reserves</u>	<u>Vanguard 500 Index Fund</u>
Beginning Balance	\$15,000.00 (2/3/98)	\$4,750.00 (11/12/98)
	-\$16,000.00 (xfr to checking)	\$7,500.00 (purchases-last 12/3)
End Balance	\$1,184.55 (3/31/09)	\$10,039.91 (3/31/09)
Gain/Loss	\$2,184.55	-\$2,210.09
	<u>Badger Campus CU (Summit CU Transfer)</u>	<u>Summit Credit Union--CD2</u>
Beginning Balance	\$28,295.84 (5/13/08)	\$25,000.00 (7/1/05)
End Balance	\$29,742.02 (5/13/09)	\$29,470.52 (3/31/09)
Gain/Loss	\$1,446.18	\$4,470.52
	<u>Wellesley Income</u>	<u>International Stock Index</u>
Beginning Balance	\$25,000.00 (10/20/06)	\$25,000.00 (10/20/06)
End Balance	\$22,874.18 (3/31/09)	\$15,130.31 (3/31/09)
Gain/Loss	-\$2,125.82	-\$9,869.69
	<u>Chase High-Yield Savings</u>	
Beginning Balance	\$100,000.00 (2/16/07--transfer from checking)	
Transfer out	-\$42,650.00 (8/20/07,8/12/08)	
Interest gain	\$3,249.25	
End Balance	\$60,599.25 (5/29/09)	
Gain/Loss	-\$39,400.75	

Budget Presentation

FISCAL STATUS DECEMBER 31, 2008 BALANCE SHEET

Total Assets	\$270,102.56
Total Liabilities	\$ 45,054.67
Total Equity	\$225,047.89
Total Equity & Liabilities	\$270,102.56

INCOME STATEMENT

	<u>2008 Budget</u>	<u>Actual 2008</u>
Total Income	\$163,950.00	\$195,741.41
Total Expenses	<u>\$150,500.00</u>	<u>\$186,741.75</u>
Budget Reserves	\$ 13,400.00	\$ 8,999.66

FISCAL STATUS May 31, 2009 BALANCE SHEET

Total Assets	\$264,024.86
Total Liabilities	\$ 125.21
Total Equity	\$263,899.65
Total Equity & Liabilities	\$264,024.86

INCOME STATEMENT

	<u>2009 Budget</u>	<u>Actual 5/31/2009</u>
Total Income	\$162,525.00	\$104,385.61
Total Expenses	<u>\$135,480.00</u>	<u>\$ 58,565.86</u>
Budget Reserves	\$ 27,045.00	\$ 45,819.75

2010 SWST Budget

<u>Category</u>	<u>Income</u>	<u>Expenses</u>	<u>Net</u>
W&FS	\$102,300	\$ 60,150	\$42,150
Dues	\$ 26,405		\$26,405
Member Services	\$ 3,975	\$ 27,250	\$(23,275)
Admin Services		\$ 29,031	\$(29,031)
Salary & Taxes		\$ 13,900	\$(13,900)
TOTAL	\$132,680	\$130,331	\$ 2,349

A motion was made, seconded and passed to accept the Executive Director's Report and Budget.

Wood and Fiber Science – Frank Beall

This is the quarterly report that coincides with the publication of an issue.

- 41/2(April) has been issued with 10 research papers, the same number as in 41/1. As of this date, we have 14 papers in the review process, 5 being revised, and 9 completed or moving ahead to galley. The number of submissions has increased substantially (3 in Feb, 4 in Mar, 6 in Apr). I'm confident that we can increase the number of papers in our next two issues.

- No new books reviews have been recommended.

- 41/3 will contain two technical notes; one was received as a TN; the other was a downsized paper that had gone through many reviews.

- CORRIM special issue. At this time, we have 9 papers received (with a total of 12 planned) and two in review.

- Repeated below are the Impact Factors for the past two years; they're published about mid-year for the previous year, so we won't have the 2008 numbers until about mid-2009.

2006	2007	Change (%)
------	------	------------

Holzforschung	1.014	0.811	- 20
Wood Science and Technology	0.74	0.691	- 6.6
IAWA Journal	0.667	0.687	+3.0
Wood and Fiber Science	0.54	0.555	+2.7
Forest Products Journal	0.387	0.351	- 9.3
Holz 0.53, 0.68; WST 0.73, 0.80			

●Publication Report

As reported previously, below is both historical and current information.

Issue	40/1	40/2	40/3	40/4	41/1	41/2
	(Jan)	(Apr)	(Jul)	(Oct)	(Jan)	(Apr)
Articles	14	16	16	18	10	10
Pages	132	163	168	200	100	103
Ave pub						
(mo)	13	14	11	9	6(7)*	6(4)*

*Starting with 41/1, time to publication has average times to preprint posting and hard copy issue.

Committee Reports

The Committee Reports were printed in the Newsletter and included in attendee packets.

Accreditation Committee – Rubin Shmulsky

Committee Responsibilities

1. Monitor deadlines for accreditation and notify all current SWST accredited programs of any upcoming reports or visits required in the next year. *Action: This task is up to date*

2. Coordinate and conduct on-site reviews of wood sci. and tech. programs at universities desiring accreditation.

Action: This task is up to date. Universidad Bio-Bio Chile has applied for accreditation. A site visit occurred there in the fall of 2008. The trip report is currently being composed. WVU has applied for reaccreditation. A site visit occurred there in April of 2009.

3. Prepare recommendations for the Executive Board regarding accreditation based on the visiting team's report. *Action: In progress*

4. Review and recommend action on Yearly Reports. *Action: Yearly reports from nine programs: SUNY-ESF, Univ. of ID, Univ. of ME, NC State Univ., PN State Univ., Univ. of MN, VA Tech, MS State Univ., and OR State Univ. have been received. These annual reports do not appear to illustrate changes that would move any of the programs below the minimum standards. It is recommended that the reports be accepted and that no further action be taken.*

5. Review the published standards and procedures for accreditation and recommend to Executive Board changes in the standards and procedures that would enhance the goals and needs of the profession, and improve the accreditation process. *Action: This activity is ongoing.*

6. Annually report accreditation committee activities to the Society through the Member Newsletter (April 15 deadline) and at the International Convention. Ensure that the table of accreditation status published by the society is accurate and up-to-date. Provide periodic reports for Fall and Spring Board Meetings.

SWST Committee Handbook 2008-2009 12 12/23/08

Special Charge for 2008-2009:

1. Perform and report on Universidad del Bio-Bio Accreditation visit in November 2008. *Action: Self study was received. Report from visiting team has not yet been received. Recommendation: take no action until visiting team submits site visit report.*

2. Initiate 2009 West Virginia Accreditation. *Action: site visit accomplished, further action in progress.*

3. Inform the Executive Board of feedback for October 2008 W&FS Editorial on Accreditation. *To date, no feedback has been received by the committee chair*

4. Seek input from SWST members and identify potential university programs not currently accredited. *Action: Universidad bio-bio is under review, University of Laval is interested in exploring the SWST accreditation process.*

5. Review impact of recent revisions in Accreditations Handbook. *Action: ongoing*

6. Define the “core” competencies around which the SWST Accreditation Program should be based. *Action: No action to report to date.*

Education Committee – Jim Armstrong

The SWST Education Committee was given the following special charges for 2009:

- “Complete the directory of international wood science and technology academic programs for distribution to members, perhaps on the web. Submit to the Board by February 1, 2008.” A Microsoft Access database of programs is being completed by a graduate student under the direction of Dr. Eva Haviarova and is nearing completion.
- “Survey accredited programs and compile a guide of successful recruiting activities for distribution to members and program heads. Submit report to the Board by February 1, 2008.” This survey is the master’s degree project of a student in the Public Relations Department at WVU. It has yet to be completed.

E-mails were sent to university contacts requesting that the April SWST Newsletter be distributed to students along with information on joining the Society as student members.

The Education Committee sent an e-mail reminder to University contacts in May reminding them that graduate student thesis titles may be submitted for publication in *Wood and Fiber Science* and on the SWST web site. Guidelines for submission were attached to the e-mail. As of this date, four thesis titles have been posted on the SWST web site in 2009.

A request came from the membership that the Education Committee develops a method to track graduates of programs (BS, MS, and PhD) to see where they are employed. The President will add this charge to their committee.

Membership – Sheldon Shi

1. The membership subscriber for SWST as of the end of May 2009
Paid for 2009:

Full: 305 (9 are emerging country)

Retired: 39

Student: 77 (5 are emerging country)

TOTAL: 422

2. A letter was sent to the emerging country mailing list two months ago. Many responses were received inquiring about the membership.
3. An email letter was also sent to the delinquent member email list. Some people response immediately indicating an interest to join the SWST membership.
4. An email letter was sent to student mailing list.
5. Dr. Tze (vice chair) has been busy working on the approval of the new applicants.
6. Many inquiries are from the international colleague (especially from the emerging countries) on membership fee payment method to join the SWST

Past Presidents' Council – Jim Armstrong

The Board of Directors asked the Past Presidents' Council to propose a "shelf life" for distinguished Service Award and Fellow nominations. After speaking to some of the Past Presidents at the International Convention in Concepcion, it seemed that three years is the optimum time. The Past Presidents' Council was polled in April and recommended that the following proposed addition to the DSA and Fellow Guidelines be forwarded to the Board of Directors for approval:

Nominations for the SWST Distinguished Service Award (SWST Fellow) will be considered for three years following their submission to the SWST Office. If the nominee is not selected within the three year period, updated nomination materials must be resubmitted for the candidate to be considered in subsequent years.

The Past Presidents' Council also proposes that the two active nominations for the DSA be grandfathered in for consideration again in 2010, after which the three-year rule (if approved) takes effect.

A request was made to the membership to submit nominations to the Council for DSA and Fellow for 2010. A request was also made for nominations for officers for 2010.

Policy and Critical Issues – Howard Rosen

Members –Sue Levan-Green, Eini Lowell, Bill Boehner, John Shelly, Bruce Lippke, Dan Wheat, Terrance Conners

1) Completed Position Paper on Woody Biomass for Energy Production in September of 2008

- Sent copies to key environmental advisors for Presidential candidates Barack Obama and John McCain
- Sent pre-release or copies of the Position Paper to over 170 people and organizations interested in biomass for energy throughout the United States

2) Began working on two new Position Papers:

- Advantages of using lignocellulosic biomass rather than food products for bioenergy, final sent to SWST Executive Board in May 2009
- Need for hazardous fuels reduction on public lands – final will be sent to SWST Executive Board by June 15, 2009

3) Wrote the Implementation Plan/ Next Steps to the National Research Needs Assessment in Wood Science and Technology Workshop Report.

4) Reviewed two SWST Policy/Position Papers from 2003 (Capacity in R&D) & 2004 (National Research Initiative) and determined with the help of the key authors that the time limit of 5 years had run out and they would be removed from the SWST web page so we could move on to more pressing issues.

5. An approach for contacting key people in government was sent to the SWST President and Executive Director

Publication Policy – Chen Zhangjing

Members, Dan Dolan, Zhang Jilei, David Carradin, David Jones, Judd Michael

1. I have sent more than 95 emails to the people at the different universities and institutions worldwide to ask them whether they have subscribed the W&FS. If not, ask them to consider subscribing to it. I also asked them whether there are any missing issues if the

institution has subscribed to it.

I have received 7 responses.

Five responses said that they has subscribed to the Journal.

One is recommending the librarian to subscribe to it.

One institute is asking us to supply its library the missing issues. I have given Vicki the contact information of the institute to fill out the missing issues.

2. Check through our current subscribers and see if there are obvious missing institutions that should be receiving the journal.

We have gone through the list and did not see any new institutions that can be added with our knowledge.

3. Video conference,

There are several ways we can use.

- a. Buy the equipment. The equipment can work with internet to have the video conference for free. The equipment costs about 4 thousands. The only initial cost involves.
- b. Use web host to organize video conference, the cost may vary with how many people and how long depending on the companies we use.
- c. We can download Skype and other programs and have video conference for free of charge. However, I have not seen any service allowing more than 2 people.
- d. There are some universities that have video conference facility. We can borrow their facility to use.

4. Investigating library based search engines.

Report on Investigating Library-Based Search Engines

The methodology written below determines which databases currently index *Wood and Fiber Science* and which databases SWST might want to ask to begin indexing the journal.

1. First we consulted the Serials Directory (available through the library's database list) and Ulrich's Periodical Directory (available at Mitchell Library Reference Desk of Mississippi State University) to get a listing of databases that currently index *Wood and Fiber Science*. After checking the information in Ulrich's against actual lists of journals indexed by the databases,

we found that *Wood and Fiber Science* is currently indexed in the following databases:

- AGRICOLA
- CAB Abstracts
- (Ei) Compendex
- Chemical Abstracts (SciFinder Scholar)
- Current Contents: Agriculture, Biology & Environmental Sciences
- Current Contents: Engineering, Computing & Technology
- Forest Products Abstracts
- Materials Science Citation Index
- Science Citation Index (part of Web of Science)
- SCOPUS

2. Second, in order to get a better idea of possible databases we went to the library websites for Iowa State, MIT, Stanford, and UC Berkeley (see URLs below) to examine their lists of core engineering databases. The following seem to be the most relevant databases to target, and most of them are part of the CSA family of databases (http://www.csa.com/e_products/databases-collections.php), and most of them already index some related journals, such as *Wood Science and Technology*.

- Advanced Polymer Abstracts (CSA)
- Applied Science & Technology Full Text (CSA)
- Earthquake Engineering Abstracts (CSA)
- Engineered Materials Abstracts (CSA)
- Environmental Sciences & Pollution Management (CSA)
- INSPEC (<http://www.theiet.org/publishing/inspec/index.cfm>)
- Quakeline (http://mceer.buffalo.edu/infoservice/Quakeline_Database/default.asp)

3. Third, we also checked non-engineering databases that we have here at Mississippi State University, and the followings might be a good fit for *Wood and Fiber Science*:

- Academic Search Premier/Academic Search Complete (EBSCO)
- Business Source Premier/Business Source Complete (EBSCO)
- Biological Abstracts (Thomson Reuters)
- BIOSIS (Thomson Reuters)
- Environment Complete (EBSCO)

4. It might be a good idea to check Ulrich's and the Serials Directory for database information for related journals.

URLs for lists of engineering databases

- Iowa State
 - http://www.lib.iastate.edu/collections/db/indexabst_subj5.html

- MIT
 - Go to <http://libraries.mit.edu/vera> then select "Engineering & Technology (General)" from the subject list.
- Stanford
 - http://www-sul.stanford.edu/depts/eng/research_help/online_resources/article.html
- UC Berkeley
 - <http://www.lib.berkeley.edu/ENGI/listdbs.html>

Research Initiatives – Ted Wegner

The Committee's main focus has been to prepare a draft report from the National Research Needs Assessment Workshop that was held in St Louis on June 25, 2008. The purpose of this all-volunteer-led workshop was to develop and reach consensus on a unified and prioritized agenda for wood products research needs and opportunities among industry, universities and government. The expected benefits of having a unified and prioritized agenda are to help the wood products industry be more successful; unify and prioritize research needs from the several research agendas developed by various wood products stakeholder groups; increase research funding availability and better focus funding on critical research needs; identify underlying science required for new, enabling technologies; increase undergraduate and graduate educational opportunities that train people for jobs in the industry; and provide a forum for increased networking, coordination and leveraging of programs within the wood products research community. The workshop draft report is now nearing its final stages. Once this draft is complete it will be sent to the SWST Board of Directors for initial review and comment and then on to the workshop attendees for review and comment. The Research Initiatives Committee will then make the needed changes and send the final report to the SWST Board of Directors for final approval and distribution. There have been many contributors to the draft and the help from these volunteers is much appreciated.

The American Forest & Paper Association (AF&PA) Agenda 2020 Technology Alliance has begun preparation of a new industry technology roadmap. The new roadmap will likely have a stronger pulp and paper focus as the majority of the Technology Alliance members are in this product sector. A Challenges and Issues Workshop was held on December 10 – 11, 2008 at AF&PA in Washington DC to identify broad strategic issues. The following six issues were identified as high priority:

- Reduce carbon emissions and energy consumption at mills and plants by eliminating fossil fuels from manufacturing operations and reducing whole mill energy intensity (energy per unit product) by at least 25% while maintaining all product properties
- Reduce water use by 50% by drastically reducing the amount of water used in pulping and papermaking; developing closed loop water systems; and developing technologies for reuse of effluent in plants after treatment to reduce fresh water intake

- Increase supply of and value from high-quality fiber and low-cost biomass by processing biomass with minimum supply chain costs and minimum ecosystem disturbance and extracting more value and better value streams from wood
- Develop new product features by increasing performance-weight ratio of paper and wood products dramatically; developing new substrates that minimize use of fiber, chemicals, and energy; and utilizing unique fiber components obtained through separation and disaggregation of woody biomass – e.g., nanocellulose
- Improve recovery and recycling of waste wood and fiber products by using non-fiber components more efficiently and developing new value-added uses for recovered paper and wood products

A follow up workshop was held on April 15 – 16, 2009 at Georgia Institute of Technology, Atlanta, GA to identify technology development pathways for each of the six areas. This follow up workshop was facilitated by a contractor who is also preparing a draft report from this workshop. This draft report will eventually become the revised AF&PA Agenda 2020 Technology Roadmap. Distribution of the roadmap developed from these two workshops is goaled for September 2009. Several members of SWST including Howard Rosen and Ted Wegner participated in these workshops.

The NRNA Report has been emailed to all members and is on the webpage for review. The comments have been incorporated and it is now being asked for a final review within the next 30 days. Once the final report is finished, the document will be merged with the ASCE Group’s document. We hope this will be in early fall and then will be ready to give to policymakers.

Visiting Scientist Program – Doug Stokke

Chair	Doug Stokke		07-09
Vice Chair	Brian Via		08-10
Past Chair	Jiliei Zhang		07-07
Members	Vikram Yadama		07-09
	Paridah Md. Tahir		07-09
<i>Ex officio</i>	Vikram Yadama	Board Liaison	06-10
<i>Ex officio</i>	Sheldon Shi	Chair Membership Committee	07-09

Visiting Scientists: The committee has received no requests for support under the Visiting Scientist Program since our last report to the membership in June 2008. Members are encouraged to participate in this program as both hosts and visiting scientists. Dr. Alexander Salenikovich, Université Laval, was approved for an International Professional Visiting Scientist

grant in 2008, but sadly, he returned the funds and curtailed his overseas trip due to the passing of his mother. Thus far in calendar year 2009, we have received, reviewed and recommended for funding a proposal by Dr. Barbara Lachenbruch of Oregon State University to visit French Guiana in November 2009. The Executive Board has approved this recommendation for funding in the amount of \$2,000.

Student Travel Grants Program: This new program was developed, approved, and implemented for the 2008 Annual Convention in Concepción, Chile. Students who submitted complete and approved applications prior to the original program deadline received grants in the amount of \$1,000 each. These included Gloria Oporto (University of Maine), Daniel Fuentealba (Université Laval), and Oluwatosin Adedipe (West Virginia University). Students responding to an extended deadline with complete and approved applications received a grant of \$500 each. These included Sandeep Nair (University of Tennessee), Alawode Abiodun (University of Ibadan, Nigeria), Adebola Adebayo (West Virginia University), Victor Gaete-Martinez (University of Maine), Zanin Kavazovic (Université Laval), and Maria Manso Martin (Albert-Ludwig University, Germany).

New Initiatives (Special Charges): In response to the committee's special charge to improve participation in the Visiting Scientist Program(s), the committee has developed the following for consideration by the Executive Board: 1) A draft SWST Emerging Countries International Travel Grants Program; and 2) A concept for a "Wood Scientists Without Borders" program.

SWST Emerging Countries International Travel Grants Program

(Concept under consideration by the Executive Board)

Purpose: To promote the participation of SWST Members from Emerging Countries in the International Annual Convention (IAC) of the Society in those years in which the Meeting is held in North America

Rationale: The program will provide opportunities for International Members to participate in the IAC and will provide a further incentive for membership in the Society. This program is patterned after the Student Travel Grants program initiated in 2008 to assist students with travel expenses to the IAC in Concepcion, Chile. It is anticipated that the Student Travel Grants program will be continued in the even-numbered years coinciding with Annual Meetings held outside of North America. The Emerging Countries International Travel Grants Program is proposed to operate in the odd-numbered years coinciding with Annual Meetings held in North America.

Wood Scientists Without Borders

(Concept to be presented briefly to the Membership at the 2009 Annual

Convention in Boise at the request of the Executive Board)

NOTE: The synopsis below is a summary of committee discussion on this idea. Dr. Vikram Yadama (Washington State University) is developing the concept into a recommendation.

The idea of Wood Scientists without Borders is to work with local communities to benefit them via small projects, using such projects to generate interest in SWST. How would SWST gain visibility and membership through such efforts? Some possible ways would be through working with overseas colleagues who may not currently be SWST members, by enlisting students to participate, and by sponsoring workshops in selected communities. Vik has talked with Professor Dan Dolan about the Engineers without Borders (EWB) program. Dan took some Washington State U. students to Africa to work on a water supply system for a small community. In brief, the EWB program solicits bids for projects through their website (<http://www.ewb-usa.org/>). Participants work with NGO's, government agencies, etc. to plan a project. Preliminary site visits, commitments from involved parties for financial and other resources, and fund raising efforts are typically components of the EWB program.

In SWST's case, we might begin with the idea of holding a workshop, perhaps in conjunction with a wood products trade show in a developing nation. This might involve a couple of SWST members, perhaps funded at \$2,000 each to assist with travel expenses. Participants might negotiate with overseas partners for local expenses.

Vik Yadama and Doug Stokke gave a powerpoint about the new Wood Scientists Without Borders program. This will be available on the Society's webpages. There is much to be done to get this program started, but it is an exciting one. It was suggested that funding/supporting agencies such as Forest Service International Forestry, USAID, FAO, etc, be contacted to help with this program.

Old Business – Constitutional Amendment.

Constitutional Amendment and Bylaw Change Ballot

(Bold and *Italics* indicate changes)

Article III – Membership – (Old)

Section 1. Membership shall consist of professional members, student members, ***and affiliate members.***

Section 2. Only professional members shall be eligible to vote and hold elective office.

Section 3. A professional member shall:

- a) hold a bachelors degree from an SWST-accredited program; or
- b) hold a bachelors or higher degree, or the equivalent, from a qualifying college or university within a discipline related to wood science and technology, and have met the education or experience requirements specified in the Bylaws.

Section 4. *An affiliate member shall be an individual who has interest in furthering the purposes and objectives of the Society, but who is from a country where the cost of membership is prohibitive.*

Section 5. A student member shall be an undergraduate or graduate student in a qualified college, university, or scientific school as specified in the Bylaws.

Article III – Membership – (New)

Section 1. *Membership shall consist of professional members and student members.*

Section 2. Only professional members shall be eligible to vote and hold elective office.

Section 3. A professional member shall:

- c) hold a bachelors degree from an SWST-accredited program; or
- d) hold a bachelors or higher degree, or the equivalent, from a qualifying college or university within a discipline related to wood science and technology, and have met the education or experience requirements specified in the Bylaws.

Section 4. A student member shall be an undergraduate or graduate student in a qualified college, university, or scientific school as specified in the Bylaws.

Bylaws

III. Requirements of affiliate membership – Delete and replace with below III

A. An affiliate member shall be from a "qualifying" country where the cost of membership in the Society would be prohibitive. The affiliate member should have the same requirements for membership as listed in Article II above.

B. Affiliate members will be selected by the International Relations Committee, who will have sole responsibility for defining "qualifying countries" and approving requests for membership.

C. Affiliate membership will be granted for three years, with unlimited extensions on approval of the committee. Affiliate members will be non-voting and receive only the Newsletter.

D. Affiliate members cannot make up more than 20 percent of the total membership.

III. Requirements of International Emerging Country membership

A. A member shall be from a "qualifying" country as recognized by SWST. Member should have the same requirements for membership as listed in Article II above. Note: Emerging Country Memberships include electronic access to publications only. No hard copies.

VII. Dues - Old

Dues shall be set yearly by the Executive Board.

Dues shall be payable on the first day of January. Members in arrears on the first day of March shall forfeit membership. Individuals who have been dropped because of nonpayment of dues may be reinstated upon payment of current dues.

Student members who qualify for voting membership during the calendar year may advance to the membership grade without additional dues for the remainder of the year. Members of any grade joining the Society during the calendar year will pay full dues for the year in which they join.

Affiliate members will be assessed no dues for membership.(delete)

VII. Dues - New

Dues shall be set yearly by the Executive Board.

Dues shall be payable on the first day of January. Members in arrears on the first day of March shall forfeit membership. Individuals who have been dropped because of nonpayment of dues may be reinstated upon payment of current dues.

Student members who qualify for voting membership during the calendar year may advance to the membership grade without additional dues for the remainder of the year. Members of any grade joining the Society during the calendar year will pay full dues for the year in which they

join.

A motion was made, seconded and passed to accept the Constitutional and Bylaws Amendment. It will subsequently be sent out for letter ballot within 30 days of the meeting.

Teller's Report – Vicki Herian

The new Vice President is Todd Shupe, and the two new Directors are Steve Quarles and Sheldon Shi. 96 ballots were received.

New Business

President Jim Funck comments: I am honored and privileged to serve as your President this year. It is an exciting time for the Society as we move forward in our strategic planning process to ensure the long-term vitality of this organization. You will be hearing more about this as the year goes on. I would also like to personally thank Jerrold Winandy and Vicki Herian for their work to cover many of my commitments to the Society this past year. I'd also like to thank all the members who have volunteered for a wide variety of roles that form the backbone of our Society. We have a tremendous organization.

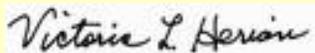
Jim Funck thanked Jerrold Winandy for his work as president last year and presented him with a plaque. He also thanked the outgoing Board Members – Nicole Brown, Eva Haviarova, and Jim Armstrong, for their work on the board for the past years.

Upcoming Conventions

- October 11-15, 2010 – Geneva, Switzerland, jointly sponsored with UNECE Timber Committee
- June 22, 2011 – Portland, Oregon, jointly sponsored with Forest Products Society
- August 27-31, 2012 – Beijing, China, jointly sponsored with Chinese Academy of Forestry.

A motion was made, seconded and passed to adjourn the meeting.

Respectfully submitted,



VICTORIA L. HERIAN
Executive Director

[<Back>](#)

POTENTIAL SWST VISITING SCIENTISTS

ACDA, MENANDRO N., University of the Philippines Los Banos, Dept. of Forest Products and Paper Science, College, Laguna, Philippines 4031 (+63 49 536 3432) (FAX +63 49 536 3206)
email: mnacda@yahoo.com

Specialty: Termite biology and control.

Will Discuss Formally and Informally: Above specialty.

ANDERSON, MATTHEW, Wood Advisory Services, Inc. 3700 RT. 44, Suite 102, Millbrook, NY 12545 (845-677-3091) (FAX 845-677-6547) email: matt@woodadvisory.com

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_100.htm.); Eco-terrorism--Its causes and impacts.

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

BARNES, H. MICHAEL, Thompson Professor of Wood Science and Technology, 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 Treatments, Treatment Mechanics, Wood Deterioration & Preservation and Composite Durability.

BEALL, FRANK C., University of California Berkeley, College of Natural Resources, 1301 South 46th Street, Richmond, CA 94804 (510-665-3536) (FAX 510-665-3427)
email: frank.beall@nature.berkeley.edu

Specialty: Nondestructive evaluation of wood and wood-based materials.

Will Discuss Formally: Ultrasonics for NDE; Future of NDE; Use of project value assessment to evaluate the value of a research project; Program at UCFPL.

Will Discuss Informally: All of the above plus most topics in wood physics; Research management; Organization of research papers; The patent process.

BOWYER, JIM L., Director, Responsible Materials Program, Dovetail Partners, Inc., 528 Hennepin Avenue, Suite 202, Minneapolis, MN 55403 and Professor Emeritus, Department of Bioproducts and Biosystems Engineering, University of Minnesota, St. Paul, MN (651-490-7688) (FAX 612-333-0432)

email: jimbowyer@comcast.net

Specialty: Responsible consumption, environmental implications of biomaterials and bioenergy production and use.

Will Discuss Formally: Environmental aspects of forestry, timber harvest and wood use; Environmental life cycle assessment; green building programs; U.S. environmental policy; Responsible consumption; The role of wood in the growing bio-energy industry; environmental education of children; The tropical deforestation problem.

Will Discuss Informally: Almost anything.

BUSH, ROBERT, Professor, Dept. of Wood Science and Forest Products, Virginia Tech, Blacksburg, VA 20461-0503 (540-231-8834) (FAX 540-231-8868) email: rbush@vt.edu

Specialty: Forest products marketing and management

Will Discuss Formally: The marketing of forest products in the U.S.; Strategic decision-making in wood-based industries; New forest products marketing research in the U.S. and the United Kingdom.

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

BRYANT, BEN S., 4102-51st Ave., NE, Seattle, WA 98105 (206-522-6273) (FAX 206-522-6273) email: fibrobb@hotmail.com

Specialty: How we can use the 5 elements of wood science (the mechanical, physical, chemical and biological properties of wood and wood structure and anatomy) to solve problems in wood technology and critically analyze new products as well as new building systems.

Will Discuss Formally: in two or more illustrated seminars—for grad students and faculty preferably—with handouts and outlines. These will emphasize the importance of understanding wood anatomy and structure (including the submicroscopic nature of the cell wall).

Will Discuss Informally: Will ask students to try to critically analyze, in light of the above, at least 6 “new products” of my own invention and explain why more of them failed than succeeded to reach commercialization. (I’ll show samples of these and/or photographs and diagrams re how I used an understanding of wood science to develop these products. We will also discuss the reasons for failure and/or success of inventions coming from federal laboratories, academic laboratories and industry research departments (including machinery and resin suppliers), and summarize what general lessons can be learned from these case histories.

CHEN, ZHANGJING, DR., 506 Alleghany Street, Blacksburg, VA 24060 (540-231-4962) (FAX 540-231-8868) email: chengo@vt.edu

Specialty: Wood drying.

Will Discuss Formally and Informally: Above specialty.

CHOW, POO, 2406 Burlison Drive, Urbana, IL 61801 (217-333-6670) (FAX 217-244-3219)
email: pchow@uiuc.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, Associate 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 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, Associate Professor, University of Missouri, 124 A-BNR, Columbia, MO 65211
(573-882-5191) (FAX 573-884-2636) email: cutterb@missouri.edu

Specialty: Tree growth, wood quality.

Will Discuss Formally: Eastern red cedar as a biogeochemical monitor; General tree growth;
Wood quality; Agroforestry.

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

DeBONIS, A. L., President, Wood Advisory Services, Inc., P.O. Box 1322, Millbrook, NY 12545
(914-677-3091) (FAX 914-677-6547) email: ald@woodadvisory.com

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.

DOLAN, J. DANIEL, Dr., Professor, Washington State University, P.O. Box 642910,
Pullman, WA 99164-2910 (509-335-7849) (FAX 509-335-7632) email: jddolan@wsu.edu

Specialty: Timber engineering; Structural performance; Wood mechanics; Connections.

Will Discuss Formally and Informally: All specialties.

FLYNN, KEVIN, Flynn & Associates, Wood Science & Technology, P.O. Box 805,
El Cerrito, CA 94530 (510-758-4686) (FAX 510-758-4893) email: k_flynn@sbcglobal.net

Specialty: Wood performance; Problem analysis.

Will Discuss Formally: Durability; Degradation; Protection.

Will Discuss Informally: Any related issues.

FUNCK, JAMES W., Manager, Lumber & Wood Science, Weyerhaeuser Company, WTC 2B2, P.O. Box 9777, Federal Way, WA 98063-9777 (253-924-6826) (FAX 253-924-4239)
email: jim.funck@weyerhaeuser.com

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, 208 AEWB Building, Orono, ME 04469 (207-581-2846) (FAX 207-581-2074) email: douglas.gardner@umit.maine.edu

Specialty: Wood adhesion; Wood composites.

Will Discuss Formally: Wood adhesion; Wood surface chemistry; Wood/plastic composites.

Will Discuss Informally: Anything.

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 .

GOODELL, BARRY, Ph.D., University of Maine, Wood Science and Technology Dept., 5755 Nutting

Hall, Orono, ME 04469-5755 (207-581-2888) email: goodell@umit.maine.edu

Specialty: Biodeterioration; Bioprocessing and bioconversion of wood.; Nanotechnology: Producing carbon nanotubes from wood; Biocomposites and polymer matrix composites: ComPRIS.

Will Discuss Formally: Any of the above topics as well as an overview of Wood Utilization Research (WUR) Center activities at the University of Maine or nationally.

Will Discuss Informally: Any of the above. See <http://woodscience.umaine.edu/goodell/> for more information on my research, or <http://www.woodutilization.org> for information on WUR.

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 specialties.

Will Discuss Informally: Above listed specialties.

IFJU, GEZA, Department of Wood Science & Forest Products, Virginia Polytechnic and State University, 210 Cheatham Hall, Blacksburg, VA 24060-0323 (540-231-8215)
(FAX 540-231-8868) email: ifju@vt.edu

Specialty: Quantitative wood anatomy; Structure-property relationships.

Will Discuss Formally and Informally: Above specialty.

JAGELS, RICHARD, Professor, Department of Forest Ecosystem Science, University of Maine, 5755 Nutting Hall, Orono, ME 04469 (207-581-2884) (FAX 207-581-2889)
email: Richard.Jagels@maine.edu

Specialty: Wood structure; Wood quality.

Will Discuss Formally: Morphometric analysis applied to wood structure and wood quality studies; Wood analysis of wetsite archaeological finds.

Will Discuss Informally: Environmental influences on wood production and wood quality; Conservation of waterlogged wood; Technology transfer; Health hazards of wood.

JELLISON, JODY, Professor of Biology, University of Maine, 313 Hitchner Hall, Orono, ME 04469 (207-581-2995) (FAX 207-581-2969) email: jellison@umit.maine.edu

Specialty: Biodegradation of wood; Fungal metabolism.

Will Discuss Formally: Biological degradation of wood.

Will Discuss Informally: Interdisciplinary studies.

KAMKE, FREDERICK A., Endowed Chair-JELD-WEN, Oregon State University, Dept. Wood Science & Engineering, 104 Richardson Hall, Corvallis, OR 97331 (541-737-8422)
(FAX 541-737-3385) email: fred.kamke@oregonstate.edu

Specialty: Wood physics and composites.

Will Discuss Formally: Rotary dryers; Heat and mass transfer during flakeboard manufacture; Viscoelastic behavior of wood.

Will Discuss Informally: Heat and mass transfer in wood and wood products

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.

KLINE, D. EARL, Assistant Professor, Virginia Polytechnic Institute and State University, Department of Wood Science and Forest Products, 210 Cheatham Hall, Blacksburg, VA 24061-0323 (540-231-8841) (FAX 540-231-8868) email: kline@vt.edu

Specialty: Industrial systems engineering of wood products processing and manufacturing; Operations research; Process control and automation.

Will Discuss Formally: Computer simulation and optimization methods; Machine vision

applications in wood products processing; Artificial Intelligence applications in wood science.
Will Discuss Informally: Any of the above; Computer spreadsheet development for quality control and process control; Computer programming.

LACHENBRUCH, BARBARA, Associate Professor, Oregon State University, Dept. of Forest Products, 118 Richardson Hall, Corvallis, OR 97331 (541-737-4213) (FAX 541-737-3385)
email: barb.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.

LAMB, FRED M., Fred Lamb Consulting, Inc., 325 Tomahawk Drive, Christiansburg, VA 24073 (540-231-7256) (FAX 540-231-8868) email: fml195@vt.edu

Specialty: Wood processing; Furniture manufacturing processes.

Will Discuss Formally: Furniture manufacturing technology; Industrial noise; Wood machining (Theory and Industrial Practices); Technology transfer (Theoretical Models and Current Practices).

Will Discuss Informally: Same as above; Lumber drying and wood deterioration.

LITTLE, ROBERT L., Armstrong Wood Products, 498 Salt Street, Winston-Salem, NC 27101 (336-406-1746) (FAX 336-703-1808) email: r_little@bellsouth.net

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)
email: jloferski@vt.edu

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.

MALONEY, THOMAS M., Retired, Washington State University, Pullman, WA 99164-1806 (509-335-4916) (FAX 509-335-5077) email: tmaloney@pullman.com

Specialty: Composition and composite wood products.

Will Discuss Formally and Informally: Any aspect of particleboard, flakeboard, fiberboard, and composites; The board industry in other parts of the world.

MARRA, ALAN, Professor (retired, University of Massachusetts), 444 Old Montague Road, Amherst, MA 01002 (413-549-6910).

Specialty: Wood gluing; Reconstituted products.

Will Discuss Formally: Wood technology in the forest enterprise; Technology in the glue line.

Will Discuss Informally: R&D in WS&T; Fiddling with education.

McLAIN, THOMAS E., Professor of Timber Engineering and Department Head, Oregon State University, 119 Richardson Hall, Corvallis, OR 97331-5751 (541-737-4257)

(FAX 541-737-3385) email: Thomas.McLain.oregonstate.edu

Specialty: Engineering properties of wood and wood-based materials; Design of wood structures; Structural mechanical connections; Role of wood in modern society; Forest products/wood science academic, extension and research program administration.

Will Discuss Formally: Why Wood Engineering? The role of wood in modern society; Integrating extension in research and teaching; 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 (541-737-4222) (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.

O'HALLORAN, MICHAEL R., President, Western Wood Products Association, 522 SW 5th Street, Suite 500, Portland, OR 97204-2122 (503-224-3930) (FAX 503-224-3934)

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.

PARIDAH, MD. TAHIR., Associate Professor Dr., Universiti Putra Malaysia, Institute of Tropical Forestry and Forest Products, Serdang, Selangor, MALAYSIA 43400 (608-89472186)

(FAX 608-89472180) email: parida_introb@yahoo.com

Specialty: Bonding of tropical wood and non-wood materials; Kenaf as raw material for composite products.

Will Discuss Formally: On MOU between UPM and host University: 1) establish student exchange program; 2) R&D collaboration..

Will Discuss Informally: Post graduate studies at UPM.

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, Mississippi State University, Forest Products Department, 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.

SMITH, BOB, Associate Professor/Extension Specialist, Virginia Tech, 1650 Ramble Road, Mailcode 0503, Blacksburg, VA 24061 (540-231-9759) (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, 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.

STOKKE, DOUGLAS D., Assistant Professor, Iowa State University, Dept. of Nat. Res. Eco. & Mgt., 339 Science II, Ames, IA 50011-3221 (515-294-2115) (FAX 515-294-2995)
email: dstokke@iastate.edu

Specialty: Wood structure and properties, wood quality, light and electron microscopy.

Will Discuss Formally: Wood micro- and ultrastructure; Applications of microscopy to wood products research; Birdseye maple; Color analyses of wood products; SWST international visitation trip to China.

Will Discuss Informally: Microstructure of wood and polymer composites; Education in wood science and technology.

SUN, DR. RUN-CANG, Beijing Forestry University, College of Material Science and Technology, Beijing, CHINA 100083 email: rcsun3@bjfu.edu.cn

Specialty: Straw/wood fiber chemistry.

Will Discuss Formally and Informally: Utilization of straw fiber as novel materials for industries.

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

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.

TICHY, ROBERT J., President, TM & I, 27013 Pacific Highway S, #179, Des Moines, WA 98198 (253-529-0900) (FAX 253-529-1326) email: bobtichy@msn.com

Will Discuss Formally: Nonresidential construction; Load and resistance factor design; Structural composites.

Will Discuss Informally: Above topics. Total quality concepts in R&D; Product and market development.

VLOSKY, RICHARD P., Director & Professor of Forest Products Marketing, Louisiana State University, LA Forest Products Development Center, School of Renewable Nat. Res., Baton Rouge, LA 70803-6202 (225-578-4527) (FAX 225-578-4251) email: vlosky@lsu.edu; website: www.rnr.lsu.edu/lfpdc

Specialties: Forest Products Marketing; Forest-sector Business and Economic development; eBusiness; Certification; International Marketing Development. Will Discuss all specialties formally or informally

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, 9227 Katzenbuechel Road, Mazomanie, WI 53560 (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.

WILCOX, W. WAYNE, 4830 Faber Road, Shingle Springs, CA 95682 (530-677-2280) email: wayne@wwwilcox.biz

Specialty: Wood biodeterioration; Microscopical diagnosis of decay.

Will Discuss Formally: Nature and biology of wood decay; Wood-inhabiting fungi; Decay in wood structures due to design and construction deficiencies; Hawaii and pest control.

Will Discuss Informally: Teaching wood performance to architecture students.

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.

YOUNGS, ROBERT L., Professor, Department of Wood Science and Forest Products, VPI & SU, Brooks Forest Products Center, Blacksburg, VA 24061-0503 (540-231-7673)
(FAX 540-231-8868) email: ryoungs@vt.edu

Specialty: International forestry; Wood technology.

Will Discuss Formally: IUFRO and forest products research; Forest products and international development; Drying stresses in wood.

Will Discuss Informally: Any of the above; New developments in forest products; World forestry.

ZERBE, JOHN I., 3310 Heatherdell Lane, Madison, WI 53713 (608-274-0714)
email: jzerbe@fs.fed.us

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.