

**47th Annual Meeting
Society of Wood Science and Technology**

June 27, 2004

**Amway Grand Plaza Hotel
Pantlind Room
Grand Rapids, Michigan**

- 8:00–8:30 Registration and Coffee
- 8:30–8:35 *Welcome and Program Overview*
Audrey Zink-Sharp, SWST President-Elect & Session Moderator
- 8:35–9:00 *Unlocking the Secrets of Successful Industry, Government and University Partnerships*
John "Buddy" Showalter, P.E., Director, Technical Media,
AF&PA/American Wood Council
Washington, DC
- 9:00–9:25 *Experience in Building Partnerships to Accomplish Common Objectives*
Dr. Chris Risbrudt, Director, USDA Forest Products Lab, Madison, WI
- 9:25–10:00 *The Research Relationship Between Industry and Academia*
Dr. A. William Boehner, Research Center Manager, Trus Joist,
A Weyerhaeuser Business,
Boise, ID.
- 10:00–10:25 *Translating Research Into Action: Connecting the Business of Forest Industries to Research on Forest Industries*
Dr. David Brinberg, Robert O. Goodykoontz Professor of Marketing and
Professor of Psychology, Department of Marketing, Virginia Tech,
Blacksburg, VA
- 10:25–10:45 Panel and Discussion
- 10:45–11:00 Ad Hoc Committee on National Research Initiatives Report
- 11:00–11:45 Awards Program

George Marra Awards

1st Place: Balazs G. Zombori, Frederick A. Kamke, and Layne T. Watson,
“Simulation of the internal conditions during the hot-pressing process”, in 35(1).

Honorable Mention: David W. Green and James W. Evans, “Effect of low relative humidity on properties of structural lumber products”, in 35(2).

Honorable Mention: Nicole M. Stark and Robert E. Rowlands, “Effects of wood fiber characteristics on mechanical properties of wood/polypropylene composites”, 35(2)

2003-4 Committee - Chair: Jan Wiedenbeck, Alan Preston, Tony Zhang, Bob Youngs,
Ex-officio: Geza Ifju and Paul Smith

Student Poster Competition

Certificates of Participation were presented to the following:

Jerome Alteyrac, Universite Laval, in cooperation with Forintek Canada Corporation, “Influence of stand density on wood properties at different sampling heights in black spruce (*Picea mariana* (MILL.) B.S.P.)”

Diogo Baptista, University of Maine, “Droplet dynamics applied to the assessment of water penetration resistance of coatings on wood”

Li Dai, Mississippi State University, “Design loads for upholstered furniture frames”

Sudipta Dasmohapatra, Pennsylvania State University, “Understanding customer value in the oriented strandboard industry”

Roncs Ese-Etame, Virginia Tech, “Comparison of sample board end coating for industrial kiln drying”

Judith Gisip, Purdue University, “The analysis of tool wear reduction when using refrigerated air for tool cooling”

Jonathan Hood, Virginia Tech, “Changes in OSB mat permeability during hot-pressing”

Ohkyung Kwon, State University of New York, “A vectorization of the raster image of the transverse plane of softwood: Differentiation of the regions of the secondary wall and the compound middle lamella (CML)”

Jian Li, University of California, Berkeley, “Understanding seismic behavior of wood shear walls under environment effects from the material level by testing and modeling”

Xiaojian Liu, Mississippi State University, “Quantitative analysis of glue distribution in wooden dowel joints using radio frequency capacitance”

Daniel Merz, North Carolina State University, “Comparing abrasive resistance of different woodfiber-plastic decking materials to solid wood and plastic decking material”

Henry Quesada, Purdue University, “Best manufacturing practices and their linkage to top-performing companies in the U.S. furniture industry”

Darren Riedlinger, Virginia Tech, “Improving the performance of thermosetting wood adhesives using multiphase emulsions”

Brian Scott, Virginia Tech, “Dielectric characterization of phenol-formaldehyde cure”

Jun Li Shi, Universite Laval, “Effect of juvenile wood on strength properties, dimensional stability, and durability of black spruce medium density fiberboard panels”

Silas Tora, Purdue University, “Bending strength properties of hot-melt adhesives used in kitchen cabinet construction”

Minghui Zhang, Purdue University, “Tracing red oak adsorption under isothermal conditions below fiber saturation point”

Winners were: First Place: **Darren Riedlinger**, Virginia Tech, “Improving the performance of thermosetting wood adhesives using multiphase emulsions”

Second Place: **Jerome Alteyrac**, Forintek Canada Corporation, “Influence of stand density on wood properties at different sampling heights in black spruce (*Picea mariana* (MILL.) B.S.P.)”

Third Place: **Diogo Baptista**, University of Maine, “Droplet dynamics applied to the assessment of water penetration resistance of coatings on wood”

Judges for Student Poster Competition – Don Bender, Barb Gartner, Armando McDonald and Fran Wagner.

International Visiting Scientist Award

Lech Muszynski was the recipient this year and went to Sweden

Distinguished Service Award

Geza Ifju and Helmuth Resch

Fellow Award

Jim Bowyer and Robert Youngs will receive the Fellow Award.

11:45–12:15 Business Meeting and Lunch

2003 Annual Meeting Minutes

A motion was made, seconded and approved to accept the minutes as published in the July-August 2003 Newsletter.

President's Remarks – Doug Stokke thanked all the committee chairs, committee members, and the executive board, especially those going off the board or committees.

Executive Director's Report

Current Members as of June 1, 2004

Full members	287
Student members	58
Retired members	50
Affiliate Member	<u>3</u>
TOTAL	398

USA members	306
Canada members	41
Mexico members	3
Overseas members	48

Members as of June 1, 2003

Full Members	278
Student members	58
Retired members	56
Affiliate Member	<u>3</u>
	395

Subscribers as of June 1, 2004

Subscribers	227
USA	99
Canada	14
Overseas	114

Subscribers as of June 1, 2003

Subscribers	222
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Delinquent Members

Delinquent members as of 6/1/04 for 2004 dues – 42 total (21 full, 16 student, 5 retired)

Delinquent subscribers for 2004 as of 6/1/04 – 35 total (18 US, 17 foreign)

Compared to delinquent members as of June 1, 2003 – 76 total (43 full, 30 student, 3 retired)

Compared to delinquent subscribers as of June 1, 2003 - 42 (24 US, 18 foreign)

Vanguard Accounts

The Vanguard accounts were opened on February 3, 1998. The balance is \$47,551.77 on March 31, 2004 (the date of the last statement). The Student poster money was invested in November 1998 with an initial balance of \$4,750.00. The current balance (as of 3/31/04) in that account is \$11,198.96.

Checking Account

The balance in the checking account as of June 1, 2004 is \$96,840.77.

Student Poster Competition Fund

Contributors are: APA-The Engineered Wood Association, Asian Woods Inc., Balazs Zombori, California Cedar Products, Forintek Canada Corporation, Iowa State University, Louisiana State University, Mississippi State University, North Carolina State University, Oregon State University, Virginia Tech, University of British Columbia, University of Idaho, Washington State University, and Willamette Industries, Inc.

There are 17 participants in the 2004 Competition.

Miscellaneous

All web pages have been updated as of June 2004.

A 2004 Membership Directory has been emailed to all members. Please inform the Executive Office of any corrections.

The Committee Handbook for 2003-2004 has been amended with new charges and other additions/corrections. This was emailed to all committee chairs and the board. It is also available on the web

Teaching Unit 1 and Unit 2 are available as powerpoint presentations. They can be viewed and used on the web or purchased on CD. There is also a set of 6 wood blocks and hand lens available for purchase. The cost is \$5 for the CD, and \$25 for the CD with wood blocks and hand lens. We have sold 32 teaching unit CD's and 4 unit packages, which includes the wood samples.

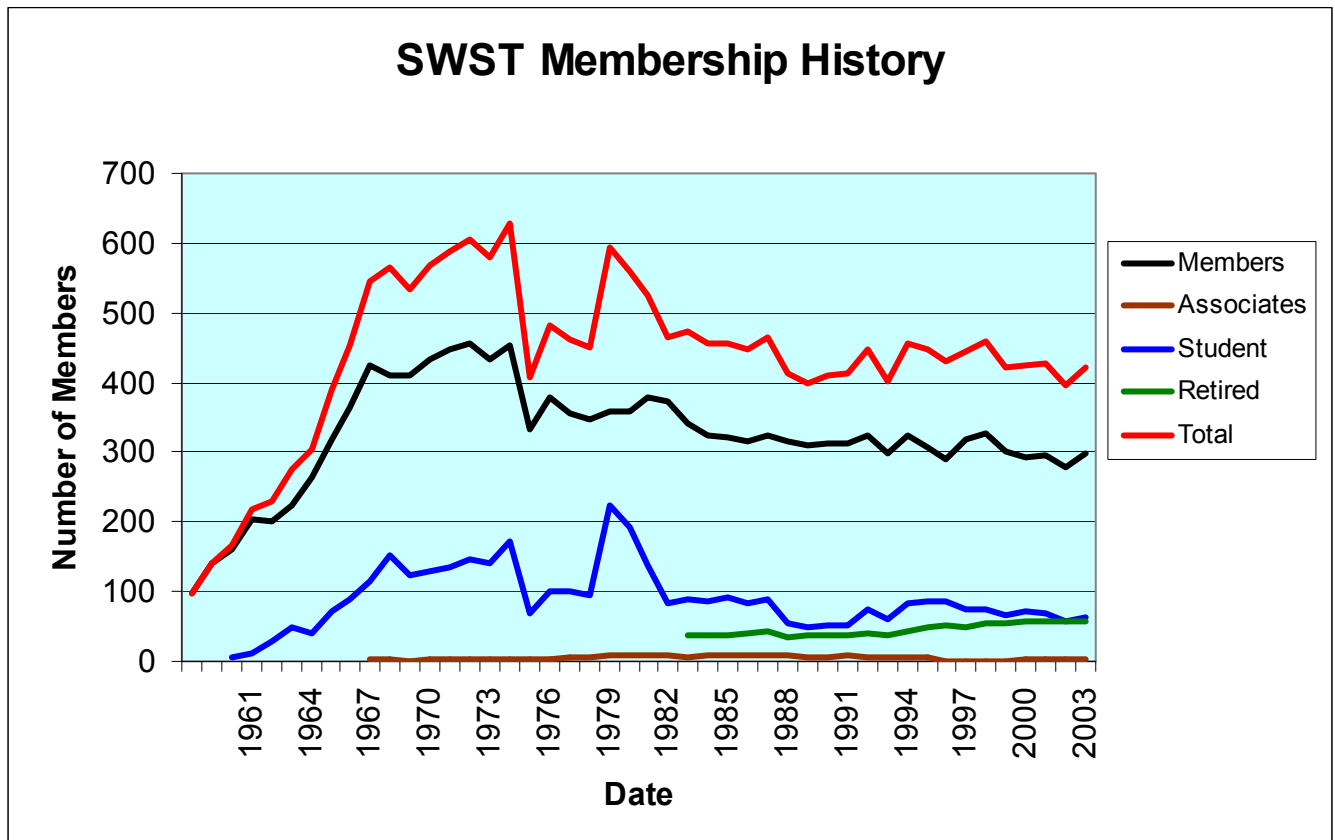
The Wood and Fiber Science searchable index has been put on the web on the main page. It is a searchable PDF file.

I have submitted an ad for Wood and Fiber Science with Ebsco Subscription Company, to be placed in their Librarian Handbook. The ad cost \$109 and goes to thousands of librarians. I have also participated in their Sample Issue Program for \$188 where our journal will be displayed at 2 librarian conferences.

The career brochure, "Career Opportunities in Applied Science and Engineering" is available for \$56 per hundred. Single copies are free. It is also available as a pdf file on the website.

The first electronic Newsletter went out in early February. We had 402 member's emails, and were missing 20. I received a few rejects back and have made corrections.

Beginning with Volume 36(1) of Wood and Fiber Science, we are no longer offering reprints. However, authors can purchase the pdf version of their paper for reprinting and



posting on their website for \$100. Beginning with Volume 36(2), we changed typesetters from Allen Press to Impressions. This has been done in the hopes of reducing typesetting costs. The journal will still be printed at Allen Press.

I have prepared a membership trend plot, subscriber trend plot, and membership breakdown by category plot which are attached.

Auditor's Report – Cheryl Hatfield

At your request, I reviewed the SWST bank statements for the period June 1, 2003 through May 31, 2004. Checks, deposits, VISA and MasterCard charges, interest charges and bank charges were verified against the corresponding statements. No discrepancies were found between the statements and the books in any area. The May 31, 2004 checkbook balance of \$96,840.77 corresponds with the checking balance on the May 31, 2004 balance sheet. The \$58,750.67 total investment in the Vanguard accounts on the balance sheet also matches the totals on the most recent Vanguard statements (3/31/04).

FISCAL STATUS DECEMBER 31, 2002

BALANCE SHEET

Assets	\$73,915.06
Total Liabilities	\$ 628.36
Total Equity	\$73,286.70
Total Equity & Liabilities	\$73,915.06

INCOME STATEMENT

	<u>2003 Budget</u>	<u>Actual 2003</u>
Total Income	\$158,010.00	\$157,582.58
Total Expenses	<u>\$149,084.46</u>	<u>\$135,472.56</u>
	\$ 8,925.54	\$ 22,110.02

2005 SWST Budget

<u>Category</u>	<u>Income</u>	<u>Expenses</u>	<u>Net</u>
W&FS	\$108,480	\$ 69,020	\$39,460
Dues	\$ 21,925		\$21,925
Interest	\$ 100		\$ 100
Member Services	\$ 10,830	\$ 21,650	\$(10,820)
Admin Services		\$ 23,050	\$(23,050)
Salary & Taxes		\$ 26,153	\$(26,153)
TOTAL	\$141,335	\$139,873	\$ 1,462

Wood and Fiber Science

Volume 36, 2004

	No. of Pages	
	Total	Technical
January issue	132	128
April issue	156	154
July issue	176	173
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Total Number of Pages	464	455

The annual budget calls for 600 pages of technical articles paying page charges. We fell behind that goal due primarily to the transition from Allen Press to Impressions for composition and type setting starting with the January, 2004 issue. If we want to maintain 600 technical pages per year, we should have 150 such pages per issue. In January, we fell behind by 22 pages while we were working out the logistics of the new arrangement of Impressions doing the type setting and Allen press doing the printing.

With the April and July issues, having 154 and 173 technical pages, respectively, we have caught up and the October issue will require to have a minimum of 145 technical pages only to meet the 600 goal. It will still be a squeeze because that issue has a lot of non-paying pages such as the index, the list of the winners of the various competitions, an editorial, the remarks by the DSA recipients, etc. However, Carol and I feel, we can meet the budgetary goal.

Manuscript in the process as of June 10, 2004

Accepted and forwarded to Carol	19
Back to authors for revision	32
Out for review	28
Rejected	9
In Editor's office	3

Total number of papers in the process	91

If the average number of papers in each issue is 15, we have more than enough accepted (19) to fill the October issue. This means that any manuscript accepted from now on can only be published in Volume 37, 2005.

During the last couple of months we had an unusual number of manuscripts which had to be rejected. The major reason for the rejections was English. However, there were a few with deficiencies in their technical contents.

In general, publication of *Wood and Fiber Science* has been going smoothly except for the January issue for which we had some minor problems with the transition from Allen Press to Impressions for composition and type setting. Carol still has to watch carefully the work of Impressions. For example, Carol discovered that for the July issue Impressions would have wasted a lot of space by printing some figures on single pages when those figures could easily fit on less than ½ pages. Carol Ovens is doing an excellent job, especially in editing for language and format and in overseeing the galley.

Committee Reports – in Newsletter

Publication Policy Committee

Activity of the Publication Policy Committee this year has been mainly concerned with the design and format of *Wood and Fiber Science*. The objective is to replace the current 7x10 inch plain yellow journal with an 8 1/2 x 11 possibly multicolored journal. Three designs by Azzeddine Oudjehane were submitted to generate reaction to general layout, pictures, and contents on the cover. Reaction to these indicated a preference for pictures on the cover. The same designs were submitted to Allen Press for estimates of cost for printing. Their estimates indicated that we can print a journal 8 1/2 x 11 on white paper with pictures on the cover as shades of one color for essentially the same cost as the current journal. The 7 x 10 size and yellow cover of the current journal increase printing costs. Consideration of a logo for the new journal format is in progress. This will be submitted for Board and membership consideration when it is ready.

Submitted by Bob Youngs, Chair

Publication Policy – The committee is exploring electronic publishing possibilities.

Accreditation Committee Interim Report

The Accreditation Committee has received the Interim Accreditation Report from West Virginia University. Committee Chair Jim Armstrong cannot participate in the review of the WVU program and has asked Vice Chair Audrey Zink-Sharp to chair the WVU review. The SWST Executive Board granted the programs at the University of Idaho and North Carolina State a one-year extension for re-accreditation to coincide with the date of their next SAF accreditation. Visits to these two institutions and to Virginia Tech are due to take place in 2005. The Committee was charged to "finalize and provide new accreditation handbook for the March Board Meeting. The Board approved the new handbook, which may be found on the SWST web page at http://www1.fpl.fs.fed.us/swst/accred_handbook.pdf. Members are urged to review the guidelines since they incorporate significant changes in the accreditation procedures for WST programs. The Committee is grateful to Tom McLain for his efforts in coordinating the revision of the Accreditation Standards.

Submitted by Jim Armstrong, Accreditation Committee Chair

Accreditation – We have switched to the new standards and also to a new yearly reporting system. The Executive Office will send out the forms in November, with a return due back in February. If there is a substantive change in the program, a more detailed report will be due.

Affiliate Member Report

My name is Dr Reynolds Okai a Visiting Scientist from the Forestry Research Institute of Ghana now on sabbatical leave at Shimane University in Japan. I was very busy last year attending the All Division 5 IUFRO Congress in New Zealand, the 15th International Wood Machining Seminar in Japan, and the XII World Forestry Congress in Quebec, Canada. Since last year, I have been conducting research in Japan on the development of a new technology for band sawing using tip-inserted saws. Most companies in Japan have adopted this technology, which has helped to increase lumber yield and productivity.

Old Business

This year we presented the first Fellow Awards. The procedure for nominating a person will be printed in the next Newsletter.

Past President's Plaque

Audrey Zink-Sharp presented Doug Stokke with a plaque for his past year as president.

Teller's Report

Ballots were emailed to all full members. Those who didn't have email addresses were mailed a hard copy. 129 ballots were returned, which compares to 136 from last year's prepaid ballot. The cost savings on this was \$200.

Vice President - Doug Gardner

Directors - Robert Beauregard and Jerry Winandy

Vote on Position Statement "National Need in Capacity for Forest Products Research and Development"

Yes 112 No 2

Total Ballots received – 129

Counted by Vicki Herian and Cherilyn Hatfield

Constitutional Amendment Vote

A motion was made, seconded, and unanimously passed to accept the change in the constitution. Changes are noted in **BOLD**

Article VI – Elections

Current:

Section 5. The nominee for each office receiving a plurality of votes cast for the office shall be elected. Elected officers shall assume the duties of their office at the close of business of the annual meeting following their election, except as stated in Section 8.

Proposed:

Section 5. The nominee for each office receiving a plurality of votes cast for the office shall be elected. **In the event of a tie in any office, the Executive Board will resolve the tie, by a majority vote.** Elected officers shall assume the duties of their office at the close of business of the annual meeting following their election, except as stated in Section 8.

Meeting adjourned at 12:45.

Afternoon Program

12:30–3:30 Joint SWST/Forest Products Society (FPS) Plenary Sessions

Session 1: Innovative Techniques for Measurements and Processes (Emerald A&B Room)

Session 2: Juvenile Wood: Its Biology and Impacts on Wood Utilization (Pearl Room)

Session 3: Research and Technologies to Provide the Future Fiber Supplies (Thornapple Room)

3:30–4:30 International Academy of Wood Science (IAWS) Lecture, “*A Compilation of Micrographs on Wood and Wood Products,*” by Norman P.

Vicki L. Herian
Executive Director