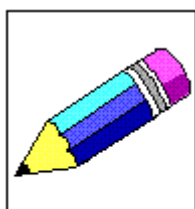




July - August 1995 NEWSLETTER

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Pencil and Paper

The Annual Meeting in Portland, Oregon was a great success: the speakers were excellent, the attendance the highest in recent memory if not in the history of SWST, and the new meeting format seemed well received. The afternoon technical sessions, posters, and a student poster competition contributed to a sense of renewed vigor and interest in wood science...at least that was my perception!

Naturally, there was the transition of officers. Geza Ifju is our new President, with Howard Rosen moving to immediate Past President. Duane Lyon moved up to President-Elect, and Fred Kamke is our new Vice-President. Directors Barry Goodell and Mike Hoag were joined by newly-elected directors Elisabeth Wheeler and Mike Wolcott. Bob Youngs is your new editor of Wood and Fiber Science, with Earl Kline assuming the new post of Associate Editor. Vicki Herian, Carol Ovens, Melissa Casteel, and yours truly continue in our posts as Executive Director, Editorial Assistant, Newsletter Assistant, and Newsletter Editor, respectively. A big thank you to outgoing board members Paul Blankenhorn (Past President), John Siau (Editor of Wood and Fiber Science), Ramsay Smith, and Mike Barnes (Directors). We also owe our thanks to the many committee members, too numerous to list here, for your important, though unheralded, contributions. Last but not least, thanks to those fine candidates who ran for office but were not elected this time.

Congratulations are in order to winners of the Society's highest awards. Arno P. Schniewind received the Distinguished Service Award. His remarks on "Wood Science and the Conservation of Our Cultural Heritage" revealed glimpses not only of Arno's scientific and technical expertise, but also his love of art, historic structures, and other cultural artifacts. The George C. Marra Awards for Excellence in Writing were presented to Michael P. Wolcott, Frederick A. Kamke, and David A. Dillard (First Place) and Paul A. Cooper and Dibyendu N. Roy (Second Place).

Portland was a great place to visit. All in all, a very successful meeting! - D.D.S.

SOCIETY NEWS

Student Poster Competition Winners

Congratulations to the winners in the First SWST Student Poster Competition, held at the Annual Meeting in Portland, OR:

FIRST PLACE (\$100 Cash and Certificate):

"Fundamental aspects of adhesive bond formation in acetylated flakeboard", by Audimar P. Bangi, Clemson University

SECOND PLACE (\$50 Cash and Certificate):

"Evaluation of the performance of attic radiant barrier systems in simulated cold climate winter conditions", by Hung Chen, University of Minnesota

Our congratulations as well to Todd Shupe, Louisiana State University, and Jean-Pascal Theberge, Mississippi State University, who also participated in this inaugural competition. Thanks to the judging team of Terry Amburgey, Tom McLain, and Audrey Zink. We look forward to many more entries at next year's annual meeting in St. Paul, Minnesota.

New Wood and Fiber Science Cover: Good or Bad?

"Here are some remarks I would like to see as an editorial comment in the news letter... I don't quarrel with the concept that after many years the cover was in need of an overhaul and that the icon with the microscope and test tube is a bit dated. A new icon that reflects the change in our tools and some minor changes in the type set and balance of the "Journal of ..." would do nicely...

I hope that this will stir up some discussion and eventually the decision to emulate Coca Cola after they found that trying to update to a new Coke joined the ranks of the Edsel in misreading the market." - Bill Nearn

Book Review Committee Report

In the past year, two books have been evaluated and reviews sent to John Siau for publication in Wood and Fiber Science. These books are:

"Commentary on the National Design Specification for Wood Construction", evaluated by Dr. Audrey Zink at Virginia Tech; and "Dielectric Properties of Wood and Wood-Based Materials", evaluated by myself. - Pat Pellicane, Colorado State University

Fall Board Meeting Scheduled

The SWST Board will hold its fall meeting on Sunday, September 17 at the Forest Products Laboratory in Madison, Wisconsin. Please forward any items for board consideration to Vicki.

SWST Directors' Assignments

The Directors facilitate coordination of committee activities and communication with the board and membership by serving as liaisons and ex officio members of the SWST standing committees. Following are the Directors' committee assignments for 1995-1996:

Mike Hoag: Book Review; Publication Policy

Barry Goodell: Critical Issues; Visiting Scientist Program; Accreditation

Mike Wolcott: Constitution & Bylaws; Membership

Elisabeth Wheeler: Education; 4-H; International Relations

Correction

It was erroneously reported in the March/April Newsletter that SWST teaching unit no. 2 is available...it is not. Sorry for any confusion this may have caused.

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. Phone 608-231-9347, FAX 608-231-9592, e-mail vicki@aldo.fpl.wisc.edu. SWST 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. Items for the newsletter may be sent to Doug Stokke, SWST Newsletter Editor, USDA Forest Service, Forestry Sciences Lab, SIU-C, Carbondale, IL 62901-4630.

Phone: 618-453-2920 FAX 618-453-2911. DG: S23L01A

E-mail: dstokke@siu.edu

Society of Wood Science and Technology President: Geza Ifju

Past President: Howard Rosen President Elect: Duane Lyon

Vice President: Fred Kamke

Executive Director: Vicki L. Herian

Directors: Barry S. Goodell, Michael Hoag, Elisabeth F. Wheeler, Michael P. Wolcott

Editor, Wood and Fiber Science: Robert L. Youngs Editorial Assistant: Carol B. Ovens

Newsletter Editor: Douglas D. Stokke Newsletter Assistant Melissa Casteel

Visiting Scientist Committee Report

The committee processed 5 applications for funds to support visiting scientists. These were:

J. Y. Zhu, Institute of Paper Science and Technology for Joseph Loferski, Virginia Tech (\$0)

John Senfl, Purdue University, for Jim Bowyer, University of Minnesota (\$585)

Joe Karchesy, Oregon State University, for Terry Sellers, Mississippi Forest Products Laboratory (\$384)

Myron Kelly, North Carolina State University, for R. C. Tang, Auburn University (\$0)

Doug Gardner, Michigan Technological University, for Mike Wolcott, West Virginia University (\$416)

Dr. Loferski has not applied for reimbursement and Dr. Tang's entire expenses were covered by North Carolina State University. The visiting scientist program thus expended a total of \$1385 for the past year. - Robert L. Geimer, Chairman, Visiting Scientist Program

4-H Committee: National Scholarships

The National 4-H Council has discontinued the national 4-H youth congress in which SWST has participated in the past. Thus, a letter of agreement was signed between SWST and the National 4-H Council on June 20, 1995, in which SWST agreed to sponsor four National 4-H Educational Scholarships at \$1,000 each for 1995. An additional \$1,000 will be used for administrative fees. The scholarships are offered to all 50 states of the U.S. and Puerto Rico. Following are some of the guidelines. Applicants for a scholarship shall:

- * Be applicants or students at a college or university with a SWST recognized Wood Science and Technology program.

- * Prepare a short essay (1-2 pages) describing why they may be interested in a career in Wood Science and Technology.

- * Have applied their 4-H training and experience in choosing a field of study related to Wood Science and Technology.

The SWST 4-H Committee will review applications and will thus have input into the selection process.

Application is made through the 4-H organization. For more information, contact Vicki Herian at the Madison Office.

International Relations Committee

See item under "new business" in the Annual Meeting Minutes.

Proposed Constitutional Changes

At our 1995 Annual SWST Meeting, the International Relations Committee (IRC) suggested the following Constitutional and By-Law amendments. These changes reflect an attempt by SWST to accommodate membership for people who live in countries where the cost of membership is prohibitive and to provide a mechanism for free Wood and Fiber Science subscriptions as well as donations of personal libraries. The SWST Executive Board will provide a budget for the IRC. As required by our constitution, the change will be included in the 1996 ballots. This information is just a preview. Your comments can be directed to Howard Rosen at FAX: (202) 205-2497 or E-mail:

fswa/s=H.Rosen/ou1=W01C@mhs.attmail.com

Proposed Changes to Constitution and by-Laws for New Membership Category and Responsibilities of IRC Committee:

Constitution:

Section 1. Add "affiliate" as a new membership category.

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.

By-Laws:

III. Requirements of affiliate membership

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% of the total membership.

VI. Standing Committees

15 International Relations Committee. The Committee shall consist of a Chair and Vice-Chair (each appointed by the President) and no more than three additional members (appointed by the Vice-President). Term of office will be one year for officers (renewable once) and three years for members (extendable if serving as officer). Responsibilities include: 1) Serve as a focal point for interaction with countries other than the United States and Canada, 2) establish and modify the criteria for "qualifying countries" and approve requests for affiliate based on the guidelines expressed in the Constitution and By-Laws, 3) Establish guidelines for providing free subscriptions to W&FS to qualifying countries, and 4) coordinate donation of personal libraries.

VII. Dues

Affiliate members will be assessed no dues for membership.

1995 Sunday Annual Meeting Minutes

June 25, 1995

Portland, Oregon

This year was a new meeting format which began at 8:00 a.m. with the SWST Technical Session. The General theme was "Wood and Wood Products in the 21st Century". The speakers and their topics were:

Norman E. Johnson, "An Industry Point of View"

Thomas Snellgrove, "A Government Point of View" Robert W. Hagler, "An International Point of View"

Ian de la Roche, "A Canadian Point of View"

A panel discussion followed, and ended at 10:45. The Awards Presentation began at 10:45. The First Place George G. Marra Award for Excellence in Writing was presented to Michael P. Wolcott, Frederick A. Kamke, and David A. Dillard for their paper "Fundamental Aspects of Wood Deformation Pertaining to Manufacture of Wood-Based Composites" published in Volume 26, No. 4. The Second Place George G. Marra Award for Excellence in Writing was presented to Paul A. Cooper and Dibyendu N. Roy for their paper "Interaction of Wood-Protecting Anions with the Wood Cell Wall", published in Volume 26, No. 3.

The Distinguished Service Award was presented to Arno P. Schniewind. He gave a presentation on "Wood Science and the Conservation of Our Cultural Heritage". This Award consists of a plaque and lifetime complimentary membership in SWST.

The Annual Meeting was called to order by President Howard Rosen at 11 :45, in conjunction with Lunch. Approximately 120 people attended.

Minutes of the 1994 Annual Meeting

A motion was made, seconded and passed to accept the Minutes of the 1994 Annual Meeting as printed in the July-August 1994 Newsletter. {Editor's Note: The minutes actually appeared in the Sept.-Oct. 1994 Newsletter}.

Executive Director's Report

- Copies are available from Vicki.

Miscellaneous

The new logo was finalized and sent to the printers. Letterhead has been printed and is currently being used. New member applications have been printed. The logo has been incorporated into all forms and the Newsletter. The cover for W&FS has also been changed.

A mailing was sent to the contacts at schools including a student recruitment poster, applications for student poster competition, applications for membership, a letter from the President explaining SWST and its purposes, and a new directory of schools.

The 1993 Annual Meeting Proceedings was finally mailed out to participants. Extra copies were made so that we could sell them for \$ 10.00.

A new Directory of Schools is available for distribution. This should be updated on a yearly basis. A limited supply was printed. If you would like a copy, please contact Vicki.

The Addendum for the Standards for Accreditation was printed and inserted into the booklet. Copies were sent to SAF and to Peter Labosky, the Accreditation Chair.

The Code of Ethics has been reprinted using the new logos and also changing the type style and kind of paper used. This will be sent to all members in their 1995 Directory of Members. If you would like an official certificate suitable for framing, please contact Vicki.

I purchased a computer per the Board's request. We now have a Power Mac 6100. This machine is capable of running either Mac or DOS applications. This should give me a great deal of flexibility. The purchase price of the computer, laser printer, and several software packages was \$5538. I am still waiting for one more software package.

Auditor's Report - Barb Wolfe

Per your request, I audited the SWST bank statements for the period June 1, 1994 through June 1, 1995. Checks, deposits, interest charges, and bank charges were in agreement for all months audited. The checkbook balance of \$53,389.55 agrees with the checking account balance on the May 1995 Balance Sheet. I also verified the savings account balance with Fidelity. The \$52,643.48 on the May 1995 Balance Sheet agrees with the latest statement (March) received from Fidelity.

The **1996 Budget** was presented. (Copies are available from Vicki). A motion was made, seconded and passed to accept the 1996 budget.

Wood and Fiber Science - John Siau

Manuscripts with Carol Ovens + 1 book review 8

Manuscripts under revision 23 Manuscripts under review 12

July Issue 27(3): 12 papers, 1 editorial, 1 book review, 136 pages.

Bob Youngs will take over as editor as of June 1995. Earl Kline will serve as Associate Editor. They will divide the editing duties based on their respective expertise.

Howard introduced Carol Ovens, Editorial Assistant. He also presented a plaque to John Siau for his service as Editor

Committee Reports

The Committee reports were printed in the May June Newsletter. Those Committees not yet reporting were: Book Review, Education, Visiting Scientist, 4-H, and Ad Hoc Committee for Special Needs Membership. There was a call to the floor for any additions or corrections to these Committee Reports, however none was heard. Several reports came in late and will be printed in the July August Newsletter.

Old Business

Constitution and Bylaws

A motion was made, seconded and passed to accept the Constitution and Bylaw changes that were announced in the 1995 Ballot. This will now be voted on by official ballot within 30 days of the Annual Meeting.

Paul Blankenhorn briefly recapped what has happened in the past several years in the Renewable Natural Resources Foundation. He is still acting as our representative on their Board. We will be sending two people to a Summit Meeting this fall.

IUFRO Meeting, Tampere, Finland

Several Board Members will be going to this meeting and wanted the membership to know that they would be there as an SWST representative also. They will be taking SWST material for distribution. They encouraged others to do the same.

Teller's Report- Dave Kretschmann

The ballots for the Society of Wood Science and Technology were tallied and the results are: Total ballots tallied - 175. The winners are: Vice President, Fred Kamke; Directors: Elisabeth Wheeler, Michael Wolcott.

Howard thanked the members that were going off the Board and asked them to remain active in other ways. As his first order of business as President, Geza presented Hoard with a Past President's Plaque.

New Business

International Relations Committee

This committee (Frank Beall, Howard Rosen, Ramsay Smith) has been working on setting up a special membership category for people from countries where the cost of membership is prohibitive. They also will have responsibility to evaluate each application and make recommendation to the Board. They have submitted a proposal to the Board on Saturday (June 24) and the Board approved it. The Ad Hoc Committee has served its function and will now cease. However, the new International Relations Committee will need to be active to process the applications and also working on other charges. If anyone is interest in the new Committee, they should contact Howard or Frank. This new membership category will need a constitutional amendment and will thus be voted on next year (per the guidelines in the constitution). Howard will write an article for the Newsletter to describe this new membership category in greater detail. {Editor's Note: See item on "Proposed Constitutional Change" on page 3 of this issue}.

Second Southeastern Pole Conference

This conference will be held January 22-25,1996 in Starkville, Mississippi. SWST will be cosponsoring this. Mike Barnes will put an article in the Newsletter regarding this conference. {Editor's Note: See announcement and call for papers bellow}.

Respeccfully submitted,
VICTORIA L. HERIAN, Executive Director



Connections

Frequent Connections contributor Greg Foliente joins us this month to bring you his primer on the world wide web. For those of you who didn't know, Greg is now with CSIRO in Australia, so we're pleased to broaden the international scope of the newsletter via his contribution, "The World Wide Web-- Surfing the Internet With Ease and Style."

Introduction

The World Wide Web (or WWW or W3, or simply "the Web") is primarily responsible for the widespread interest in the Internet in the last two years. Web traffic across the Internet is growing very, very fast. Its impact is so enormous that the Internet age may be divided into two: before the Web (B.W.) and after the Web (A.W.). What is the excitement all about? Where did it all begin?

Before the Web

In the early years of Internet, news (e.g., Usenet news) and file transfer protocol (ftp) were used to share information on a wide basis. Electronic mail (e-mail) was used for more personal communication. Anonymous login (telnet or rlogin) provided access to information in far-off networked systems. Then came Gopher, which envisioned the entire Internet as a global desktop which could be viewed and "hyper-linked", i.e., referenced by another document. Information was no longer just a file on the server (in the style of ftp) but linked and distributed to various servers; Gopher allowed searches to be performed over the entire space (or Gopher space). With its linked menus, a whole world of information has become available using just a few keystrokes.

Then in 1989, Tim Berners-Lee of CERN (Conseil Europeen pour la Recherche Nucleaire), a Swiss-based European laboratory for particle physics research, started work on a project that will allow effective communication and sharing of information (mostly research) regardless of how it was stored in the server throughout the organization, with various computer platforms and with members in different countries. In 1992, CERN introduced the World Wide Web -- with HTTP (Hyper Text Transfer Protocol), a file transfer protocol specifically tailored to the requirements of hypertext, and HTML (Hyper Text Markup Language), a specification used to describe the general structure of various kinds of documents. In addition to text, the document can contain images, sounds, and movies. HTML solved some of the limitations of Gopher, allowing links and text/sound/images to be intermingled, providing a more natural hypertext interface. A whole world of information has become available using just a click of the mouse.

The Web

The Web is officially described as a "wide-area hypermedia information retrieval initiative aiming to give universal access to a large universe of documents." It has also been described as a global, interactive, dynamic, cross-platform, distributed, graphical hypertext information system that runs over the Internet. The key words are "graphical hypertext", also called "hypermedia". The help systems or help stacks in Microsoft Windows Help, Sun Microsystem's Answerbook, or HyperCard on the Macintosh all use hypertext, a system of presenting text that allows one to skip from one point to another (foregoing the usual rigid, linear structure presentation), get more information on one topic, go back to the previous topic, jump to another one and navigate through the text based on what interests that person at the time. The Web is a hypermedia information system, distributed over the Internet, that is easy to navigate.

After the Web

Before the public release of the Web, the National Center for Supercomputing Applications (NCSA) in Urbana-Champaign, Illinois started work on a graphical Web browser called Mosaic. Its release in 1993 started the Web-mania; prior browsers were text-based. Many graphical browsers from both established companies (e.g., Netscape) and hackers, with various kinds of nifty features and for different computer platforms, have since been introduced.

The first generation of Web servers was populated mostly with information useful to physicists. The second generation was primarily populated by technical research literature. The third generation of servers that we have

today contain just about anything and everything under the sun. Fortunately, a full indexing and search capabilities are available (e.g., Lycos, Web Crawler, etc.), and some Web browsers include at least one of them in their starting page. Click on the searcher text/link, type a few key words in the search form and you are on your way to net surfing. [These indexers/searchers are indispensable; in case your Web browser starter page does not provide the sites, here they are: Lycos (<http://lycos.cs.cmu.edu/>); Web Crawler (<http://WebCrawler.cs.washington.edu/WebCrawler/WebQuery.html>).]

With the introduction of a syntax for an addressing scheme known as Uniform Resource Locators (URL), all types of information systems have been integrated. Any properly formed URL is a valid "Web document" (general syntax is "protocol://host/path"). Thus, one can now use a Web browser to access an ftp server (e.g. <ftp://ftp.cs.orst.edu/pub>), a gopher server (e.g., gopher://nceer.eng.buffalo.edu/00/about_gopher), a news server (e.g., <news:rec.woodworking>), to open an interactive connection to some other computer systems (e.g. <rlogin://archie@archie.unl.edu>), and to e-mail someone (e.g., <mailto:dstokke@siu.edu>). All these can be done in addition to regular access to a Web or HTTP server (e.g., <http://www.csiro.au/>). (Note, though, that not all Web clients support all of the non-HTTP protocols.)

Gems and Junk

There are lots of very useful and informative things in cyberspace that can be accessed through the Web. For example, one can check the academic programs and faculty at Virginia Tech (<http://www.vt.edu/>), visit-- through pictures-- the campus and downtown Blacksburg, Virginia and check the history, weather, and a listing of hotels, apartments, businesses and shops in Blacksburg through your computer, without leaving your hometown or country. Right after the 1995 Kobe earthquake in Japan, I downloaded through my Web client several colored maps showing the epicenter and the aftershocks (<http://quake.wr.usgs.gov/>). I grabbed pictures of seismic damages to timber buildings and incorporated them to a document I was writing. Although Australian newspapers do not cover American sports very much, I can get up-to-date sports articles from the San Francisco Chronicle through the Web (e.g., <http://www.sfgate.com/>). There are many other gems, and interesting stories on how people use the Web (there is not enough space to discuss them here). But beware of the junk that lurks in cyberspace.

Get connected, get a Web browser (many good ones are free for personal use!) and enjoy net surfing! - Greg C. Foliente (greg.foliente@dbce.csiro.au)

Editor's Note: Check out our new feature, "HOT WEB SITES" coming in the September/October Newsletter



MALONEY NAMED WEYERHAEUSER PROFESSOR IN WOOD MATERIALS

PULLMAN, WA - Washington State University's College of Engineering and Architecture has appointed Professor Thomas Maloney as the first Distinguished Professor in Wood Materials and Engineering.

Information Please

An endowment of \$300,000 for the professorship was established by the Weyerhaeuser Co. foundation in 1994, and the interest provides \$15,000 a year to enhance activities in the Wood Materials and Engineering Laboratory.

Maloney directs today's lab and ran its forerunner Wood Technology Lab since 1958. Through both labs, he has attracted approximately \$15 million in research and projects and helped revolutionize the composite materials used by today's construction industry.

The WMEL has researched numerous composite products, adhesives and polymers, helped create processes for laminated veneer lumber, end gluing or finger jointing of green lumber, and nondestructive testing for decay in wood, among other achievements. It also deals with economic and environmental issues related to wood product production, such as minimalization of waste byproducts and sustainability of timber supplies.

"We are exceedingly pleased to honor Tom Maloney's pioneering work in wood materials testing and development through this Distinguished Professorship," said Reid Miller, CEA dean. "It also formally recognizes the university's and Weyerhaeuser's long-standing corporate partnership to help solve the world's housing, construction and natural resource challenges."

Maloney has been with WSU for 40 years, since earning his industrial arts degree in 1956. He has built a graduate program in wood materials engineering from which about 50 have graduated to leadership positions related to the industry. He established a particle board symposium that for more than two decades has "brought the world to WSU." And, he works with government agencies, industry, foreign countries and scientists to develop innovative uses of wood in construction.

"The lab helped lead the way in converting waste mill materials and junk trees into about 20 million tons of valuable wood composites annually in the U.S. alone," says Maloney. Although he formally retires from the university in August, he will continue to work in the laboratory's composite research program "until it becomes the premiere wood composite laboratory worldwide," he adds. The professorship funds will augment graduate student help and support wood research in other ways.

Wood: Influence of Moisture on Physical Properties, by John F. Siau, Adjunct Professor, Virginia Polytechnic Institute & State University, Blacksburg, VA, USA.

This book is intended for use at both the undergraduate and graduate levels as a textbook for students. Problems are included at the ends of the appropriate chapters with ten laboratory exercises to acquaint students with the principles of wood physics. This book is also a guide for engineers and architects in the expeditious use of wood in structures. It provides information about the effect of environmental factors such as moisture and temperature on the physical properties of wood.

The book includes 200+ pages, 77 problems, 10 lab exercises, and 125 illustrations and will be available during September, 1995.

The price is \$49.95 per copy, with a discount of 10% for orders of 10 or more copies. Make checks payable to Dept Wood Science/Forest Products, VirginiaTech. Order from: Department of Wood Science and Forest Products, Brooks Forest Products Center, Virginia Tech, Blacksburg, VA 24061-0503, Attention: Ms. Angela Riegel.

International Wood Collector's Society - Wood Sample Kit.

In response to many inquiries for a wood identification and sample kit, the International Wood Collector's Society has assembled a kit containing several common native U.S. and non U.S. woods.

The kit contains 30 different species packaged in a sturdy cardboard container. The samples are surfaced on two sides and are of the standard IWCS size of 1/2x3x6 inches. They are numbered to correspond to the identification sheet which is sent with each kit. Each kit also contains an identification key describing basic wood properties and characteristics and identifies each wood sample in the kit. Individual identification labels are supplied for each sample.

The price of the kit is \$25.00. Please send \$5.00 for postage if shipped outside of the continental U.S. Order from: IWCS #4654, William Cockrell, Secretary-Treasurer, RR #6 Box 122, Greencastle, Indiana 46135.

Proceedings of the Second Pacific Rim Biobased Composite Symposium, held November 1994 in Vancouver, Canada, are now available. The charge is \$75.00 Canadian for a copy. The Proceedings is 315 pages long and include papers in the following subject areas:

- Processing strategies and product characterization;
- Hybrid composites from lignocellulosic materials; -Inorganic-wood combinations;
- Property enhancement through wood modification;

- Specialty products; and
- Utilization of recycled fiber in composites.

Those interested in purchasing a copy of these Proceedings should send a money order or bank draft, for \$75.00, in Canadian Funds made payable to: "Pacific Rim Composite Symposium, UBC." The address is as follows: Department of Wood Science, Faculty of Forestry, University of British Columbia, 2357 Main Mall, Vancouver B.C., Canada V6T 1Z4.

Revised and Expanded "Hardwood Plywood Reference Guide & Sales Handbook"--The Hardwood Plywood & Veneer Association has released the second edition of "The Hardwood Plywood Reference Guide and Sales Handbook." The book is designed to help cabinet and furniture manufacturers, sales representatives, and distributors learn more about the product. This 56-page, 4-color book has been prepared as a companion to the "American National Standard for Hardwood and Decorative Plywood."

It is a concise easy-to-read publication and includes such topics as: grades and grading, matching, product stamps, face grade applications and back grade descriptions. It is the most complete publication of its kind.

"The Hardwood Plywood Reference Guide & Sales Handbook" includes more than 33 color photographs demonstrating the range of appearance within a grade, the range of appearance between grades for both rotary cut oak and birch, and sample characteristics of hardwood plywood such as bark pockets, repaired splits and gum spots. Several panels of flat cut M grade cherry are also included.

To obtain a copy of "The Hardwood Plywood Reference Guide & Sales Handbook," send \$15.00 plus \$3.50 shipping and handling to: HPVA, Reference Guide, P.O. Box 2789, Reston, VA 22090. For further details, contact Sarah Griffin Peck at 703\435-2900.

Multilingual Dictionary of Agronomic Plants (1994) edited by Sigmund Rehm, Institute of Agronomy and Animal Health in the Tropics Gotingen, Germany. (ISBN 07923-2970-8 \$120.00).

The Dictionary contains the names of nearly 2500 plant species, in some cases including subspecies and varieties. Tropical crops from all parts of the world receive the same attention as those from the temperate zone. Common names are given not only in English, French, German, Portuguese and Spanish but also in many other languages, where such names are used in the technical literature.

'Agronomic plants' comprise not only the agricultural and horticultural crops but also pasture plants, green manure, soil covers, trees used in agroforestry, and major weeds. Also included are plants which are presently being discussed as new crops, with considerable economic value. The Dictionary will meet the needs not only of scientists in agriculture, botany and geography but also those of agricultural extensionists, merchants in agricultural products and professional translators.

For more information contact: Kluwer Academic Publishers; Order Department, P.O. Box 358; Accord Station; Hingham, MA 02018-0358; Phone: (617) 871-6600; Fax: (617)871-6528; or e-mail: kluwer@world.std.com

Analysis, Design and Testing of Timber Structures Under Seismic Loads, Proceedings of a Research Needs Workshop, September 9, 1994, Berkeley, CA. Greg C. Foliente, Editor. These proceedings are the result of a 1994 workshop at the University of California at Berkeley, Forest Products Laboratory. The workshop provided a forum for discussion of issues related to the safety and serviceability of timber structures under seismic loads and to identify problems and research needs in the analysis, design, and testing of timber structures under seismic loads.

A copy of the proceedings may be obtained by mailing a check for U.S. \$25.00, made payable to Regents, University of California to:

Dolores Triplett, University of California, Forest Products Laboratory, 1301 South 46th Street, Richmond, CA 94804. For further information, contact Ms. Triplett at phone (510)215-4200, fax (510)215-4299.

Black Walnut: The History, Use, and Unrealized Potential of a Unique American Renewable Natural Resource, by Bob Chenoweth, 1995, Sagamore Publishing Inc., 302 West Hill Street, P.O. Box 647, Champaign, IL 61824-0647. Hardcover, \$28.95 plus \$3.75 shipping in continental U.S., \$5.00 for outside U.S. For credit card orders or purchase orders, call 1-800-327-5557, fax 217-359-5975.

In the first book to focus on the Eastern black walnut, *Juglans nigra*, Bob Chenoweth deals with the complex and controversial issues of black walnut farming in a scholarly and entertaining manner, providing both useful information and anecdotes to the reader.

Black Walnut covers the history of walnut harvest in the United States and its current status. The author also examines black walnut wood, veneer, and nuts and includes a discussion on tree improvement. The handy appendices include walnut recipes, a bibliography, a directory of organizations, associations, and list of products.

SawTech '95 The Fourth International Conference on Sawing Technology.

October 26-27, 1995 at the Red Lion Hotel, Seattle Airport, Washington



**Coming
Events**

Following three very successful international conferences on sawing technology held biannually in the San Francisco area, the Wood Machining Institute will hold SawTech '95 in Seattle. A major aim of SawTech conferences is to promote technology transfer between researchers and the industry in the area of thin kerf accurate sawing. In addition to informative presentations, the conference will feature table top exhibits of the most advanced designs of saws and saw maintenance equipment.

For more information, contact: Dr. R. Szymani, Wood Machining Institute, PO Box 476, Berkeley, CA 94701 or Phone: (510) 943-5240 or FAX: (510) 945-0947

Advances in Computerized Design of Wood Structures. November 17-18, 1995, Virginia Tech, Blacksburg, Virginia.

Most designers during the course of the workday do not have time to evaluate new engineering software products that may be useful in their businesses. The purpose of this workshop is to help you answer two basic questions:

- 1) What software is available for my design work, and
- 2) Will it be worth my time (and money) to implement the software in my design office? Also, this course offers 1.2 Continuing Education Units (CEU's). The course is offered on a Friday-Saturday to take advantage of deeply discounted air fares.

For more specific information on course content, please contact Dr. Frank Woeste, P.E., by FAX (703) 231-3199 or phone (703) 231-6093. For course registration, phone: (703) 231-5182.

Kiln Drying Short Course

The 18th Annual Kiln Drying Short Course will be held September 11-14, 1995 at the University of Minnesota, St. Paul Campus. The course is sponsored by the Department of Forest Products, University of Minnesota, the Minnesota Extension Service, and Cooperative Extension Service, Department of Forestry, University of Wisconsin-Madison.

The course is designed for dry kiln operators and supervisors, but anyone desiring to learn more about kiln construction, kiln operation, and wood-moisture relations is welcome and encouraged to attend. No previous drying experience or training is necessary.

Instruction will include lectures, demonstrations, and "hands-on" kiln drying experience. Conventional kiln drying of hardwood lumber will be emphasized, however, dehumidification drying, solar drying, and air drying will also be covered. Ample time will be available for group interaction as well as individual consultation.

For further information contact: Harlan Petersen, Department of Forest Products, University of Minnesota, 2004 Folwell Avenue, St. Paul, MN 55108. Phone: (612)624-3407. E-mail address: hpeterse@mercury.forestry.umn.edu

International Symposium on Nondestructive Testing of Wood

Lausanne, Switzerland, 26-28 August 1996.

First call for papers--abstract due on 1 Oct 1995

For registration information and offer of a poster/paper, contact:

Swiss Federal Institute of Technology EPFL-IBOIS

NDT '96 Secretariat

GCH2 Ecublens

CH-1015 Lausanne

Switzerland

IUFRO - 5th International Wood Drying Conference. -August 13-17, 1996,

Quebec City, Canada

Contact: Dr. Alain Cloutier,

alain.cloutier@qc.forintek.ca

Fax: +01-418-659-2922 or

Dr. Yves Fortin

yves.fortin@sbf.ulaval.ca

Fax: +01-418-656-3177

Vacuum Drying of Wood '95 October 8- 12, 1995,

The High Tatras, Slovakia,

Contact: Prof. Dr. Pavel Trebula, trebula@vsld.tuzvo.sk

Fax: +42-855-21030

Announcing the Second Southeastern Pole Conference

WHEN: JANUARY 22-25, 1996 WHERE: MISSISSIPPI STATE UNIVERSITY STARKVILLE MS USA

WHO: USERS & PRODUCERS OF TREATED POLES, INSPECTION AGENCIES, SPECIFICATION WRITERS, RESEARCHERS, CHEMICAL COMPANIES

COST: \$225 INCLUDES CONFERENCE PROCEEDINGS, TWO CONTINENTAL BREAKFAST, TWO LUNCHESES, ONE CASINO NIGHT, ONE FISH FRY, SUPPLIERS SHOWCASE, TECHNICAL FORUM, WHITEWOOD PRACTICUM, FUN & FELLOWSHIP--Y'ALL COME

***** CALL FOR PAPERS *****

Space is limited so first come, first served. Potential presenters, displayers, etc. and requests for more information should be directed to:

Southeastern Pole Conference

Forest Products Lab Mississippi State University

Box 9820

Mississippi State, MS, USA 39762-9820 or

Attention: Ms. Norma McCleod, mccleod@fpl.msstate.edu

GRADUATE STUDIES IN WOOD SCIENCES

Forintek Canada Corp. is a non-profit-making corporation working in research and development of new technologies for the Canadian forest industries. One of our goals is to turn out highly qualified people able to



transfer knowledge and technology to the industries.

We are actually looking for people interested by graduate studies leading to industrial repercussions. The candidates should be students in wood sciences, industrial engineering, computer sciences, mathematics or any appropriate discipline.

In order to help students in their research, Forintek can place technical assistance, equipment and financial resources at their disposal.

Positions Available

This work will be done via Forintek-Laval, which is a part of the Faculty of Forestry and Geomatics at Laval University, in Quebec City, Canada. The Forintek-Laval group is specialized in sawmill simulation and optimization.

For more information, please contact: Francois Grondin, Forintek Canada Corp., Faculty of Forestry and Geomatics, Laval University, P.O. Box 2208, Quebec, Canada, G1 K 7P4, Phone.: (418) 656-3494, Fax: (418) 656-3177, E-mail: francois.grondin@ulaval.forintek.ca.

POST-DOCTORAL FELLOWSHIP IN WOOD COMPOSITES

Location:

Department of Wood Science University of British Columbia Vancouver, B.C., Canada

Duration:

1-year (subject to final budget approval) Starting September 1995.

Research:

The PDF is expected to carry out research on the relationships between specific mat structures and the physical and mechanical properties of flakeboards and oriented strand boards. The PDF will work with two graduate students.

Qualifications:

Ph.D. degree in Wood Composites or related field with a very good Wood Physics and Wood Mechanics background and considerable laboratory experience.

Supervisors:

Drs. Stavros Avramidis and Frank Lam

Interested persons should contact: Dr. Frank Lam, Department of Wood Science, University of British Columbia, Vancouver, B.C., V6T 1Z4, Canada, Phone: (604) 822-6526, FAX: (604) 822-8154, E-mail: franklam@unixg.ubc.ca.

FOREST OPERATIONS RESEARCH

Assistant Professor, Forest Operations Research, tenure-track. 12 month appointment. The successful candidates will have primary responsibility for research leadership and graduate education in operations research in the Forest Science Department, and will endeavor to meet the needs of the Texas forest products industry in operations research; will be expected to develop strong linkages with related departments at Texas A&M and with the Texas forest products industry. Responsibilities will include establishment of a vigorous, extramurally funded research program, teaching approximately two undergraduate courses and one graduate course per year, and advising graduate students in forest operations research. Professional service and involvement in professional organizations will be expected. Ph.D. in operations research/artificial intelligence or a related field and training, experience, or a strong interest in forestry or related natural resource fields. Strong communications skills are necessary as are the abilities to conceive, conduct, and complete independent research. Salary will be competitive and commensurate with background and experience.

Applicants should submit a letter of application, vitae, transcripts, and the names of five professional references to: Richard F. Fisher, Head Forest Science Department, Texas A&M University, College Station, TX 778432135, Telephone: (409) 845-5000, FAX: (409) 845-6049. Closing date: September 1, 1995 or until filled. An Affirmative Action/Equal Opportunity Employer. Women and Minorities are Encouraged to Apply.

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Last updated: 1/2/97

For further information, please contact Vicki Herian at vicki@swst.org