

# SWST Newsletter

January-February 2001

SOCIETY OF WOOD  
SCIENCE AND  
TECHNOLOGY

**SWST**

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## Editor's Note

Dear Readers:

We are currently enjoying an old-fashioned winter here in Maine. That means we are receiving ample snow and cold weather. I have rediscovered the joys of sledding with my three boys. The cross-country skiing has also been wonderful. In fact, I skied more in month of January than during the past two winters combined. My annual ice-fishing expedition was also good except for the fact that I ran my buddy's snowmobile into the side of his camp! I'll save the gory details for the SWST Annual Meeting.

The job market for research wood scientists appears to be as strong as ever, as evidenced by the number of job advertisements in this *Newsletter*. I only wish the rest of the economy were doing as well. International Paper announced the permanent closure of two stud mills here in Maine, and Eastern Fine Paper and Lincoln Pulp and Paper have filed

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## News Items

### DONALD NELSON RETIRES FROM USDA

Don Nelson, a member of SWST almost since it began, has retired after 33 years as National Program Leader for Wood Science for the Cooperative State Research, Education, and Extension Service (CSREES) of the US Department of Agriculture (USDA). CSREES works in partnership with universities throughout the nation to strengthen wood-products extension, teaching, and research programs.

Don studied pre-forestry at Wisconsin State College in Stevens Point and then served three years in the US Army Corps of Engineers in England before completing all three academic degrees at the University of Michigan in Ann Arbor. His undergraduate and master's degrees are in wood science, and his Ph.D. degree is in natural resources. In 1962, he won the George Gevorkiantz Memorial Award for the best research paper in the Lake States Forestry Schools. In addition to his 33 years at USDA, Don earlier was Instructor of Wood Technology and Research Associate at West Virginia University in Morgantown for three years, Wood Products Extension Specialist for Cornell University, and Adjunct Assistant Professor of the New York State College of Forestry while serving on the wood-utilization extension team in New York for two years. His research was in wood drying, wood-products marketing, and design and evaluation of wood-products extension education programs.

Don's initial assignment at USDA was to develop a nationwide extension education program to increase the efficiency and marketing capabilities of the wood-products industry. Many small and medium-sized firms have benefited through applying the technology that has been made available to them through the educational programs that Don developed in cooperation with university partners. An additional USDA assignment was to provide leadership to the passage, budgeting, implementation, and evaluation of natural-resources programs funded by the Renewable Resources Extension Act of 1978, which resulted in a \$200 million expansion of extension education programs in forestry, wildlife, range, and outdoor recreation. Don also administered a \$6 million annual wood-utilization special-research-grants program at eleven universities. He conducted national workshops to train wood-products extension specialists.

Don had been active in several professional societies. He is a Fellow of the Society of American Foresters. He edited the SWST *Newsletter* for eight years and served on its administrative and editorial boards. He chaired the Editorial Policy Committee, which merged

two professional journals into the journal *Wood and Fiber Science*. He chaired committees and held regional offices in the Forest Products Society. He authored papers for international forestry conferences of the United Nations Food and Agriculture Organization and the International Union of Forestry Research Organizations in Norway, South Africa, Yugoslavia, and New Brunswick.

Don and his wife, Phyllis, plan to continue living in Accokeek, Maryland. They have two married daughters and three grandchildren. Don plans an active retirement of travel, travel **writing**, woodworking, photography, and perhaps some inventing.

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### BOB SMITH COMPLETES VISITING SCIENTIST ASSIGNMENT

Bob Smith from Virginia Tech just completed three months as a visiting scientist in the Department of Forest Products at Oregon State University (OSU). He was in Corvallis from mid-September through mid-December. While being sponsored by OSU, Bob participated in undergraduate teaching and the Department's Wood Magic Program for 3<sup>d</sup> and 4<sup>h</sup> grade students. He also taught a continuing-education class in Selling Forest Products, participated in faculty meetings and seminars, and cooperated on joint research proposals.

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### NOMINATIONS SOUGHT FOR DSA

The Distinguished Service Award (DSA) is given by SWST to individuals who have made unusually significant contributions to the profession of Wood Science and Technology. The recipient need not be a member of SWST, but any nomination must be endorsed by SWST members. The Past Presidents' Council, chaired by Tom McLain, is asking members for nominations for 2001 and future awards. Please see the awards section of our web site, [www.SWST.org](http://www.SWST.org), for details about the award and past recipients. Contact Tom at 541-737-4224 or [thomas.mclain@orst.edu](mailto:thomas.mclain@orst.edu) with your suggestions.

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### PROCEEDINGS AVAILABLE

Proceedings from the 2000 Annual Meeting, ***Material Changes in Residential Construction***, are available from Vicki for \$10.

**mysawmill.com ANNOUNCES AVAILABLE SERVICES**

www.mysawmill.com is a web-based emarketplace for consumable sawmill products for the wood-products manufacturing industry. We handle anything that is required to maintain, repair and or operate sawmills, Oriented Strand Board (OSB) or Laminated Veneer Lumber (LVL) mills, saws, knives, abrasive products, safety equipment and much more. We bring the buyers and sellers of those products together to buy and sell on-line.

We have a unique system that is very cost effective in reducing procurement processing costs and product costs. Some of the many benefits to the buyers who participate on mysawmill.com are as listed below.

- The ability to one-stop-shop for all supplies.
- The ability to browse products and pricing from multiple vendors at once. No calling vendors to find out what the best prices are and waiting for responses; everything is right in front of you on the computer screen.
- The ability to purchase multiple products from multiple vendors under one PO, reducing procurement processing costs.
- The convenience and flexibility of on-line ordering 24/7.
- Credit-card and account-transaction support.
- Streamlining of process, yielding faster response times with fewer errors.
- Streamlining of yearly quotes by using our on-line reverse bidding, where the vendors are contacted to come to the site and log into the buyer's quote and provide the information required. When the quote is complete, the buyer logs back on to it and the information from all the vendors is on one page, sorted however the buyer wants. No sorting through paper work. The information is totally confidential—a given vendor can only see his/her information—not the other vendors' information.
- Live, on-line industry-trained customer support.

Additionally, customer service is very important to us and to our on-line buyers and sellers. mysawmill's staff is highly skilled and educated in product procurement and application. We also have the ability to interact between on-line buyers and the sellers through our Customer Service Software. This software enables us to push technical drawings and information and to direct the user to

where (s)he wants to go, if required. mysawmill.com is about doing business effectively and efficiently, saving time and money.

If you have any questions, please contact Jennifer R. Fitch at (866) 530-8994.

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**AEWC CENTER ACQUIRES NEW EXTRUDER**

The Advanced Engineered Wood Composites (AEWC) Center at the University of Maine is pleased to announce the expected delivery of a Davis-Standard Corporation Woodtruder™ on March 1, 2001. This state-of-the-art, 68-foot-long extruder combines fibers with polymers (plastics) and can be used to make many useful products, such as doors, flooring, walls, decking, fencing, and mouldings. Its acquisition will enable the Center's researchers to commercially develop the next generation of fiber/polymer-composite construction materials, and it is available to assist manufacturers in researching/developing new products or enhancing existing product lines.

The Woodtruder™ can process fibers from sawdust, wood (both hard- and softwoods), sisal, rice husks, coffee shells, flax, peanut shells, recycled car tires, and many other materials. These are combined with such plastics as polypropylene, High-Density PolyEthylene (HDPE), and PolyVinylChloride (PVC), which are variously found in many consumer goods such as milk jugs, house siding and plumbing materials.

AEWC researchers have the expertise and facilities to investigate and determine the best combinations of fibers and polymers for a given application. Among the Center's nine discrete laboratories are two dedicated to polymer/interface science and microscopy. These areas are equipped to lay the theoretical foundation for prototype development. Each new material then produced by the Woodtruder™ will face strenuous evaluation in the Center, like being repeatedly stressed to evaluate durability and being exposed to the equivalent of years of ultraviolet radiation, salt spray and freeze-thaw cycles.

The Woodtruder™ to be installed includes twin- and single-screw extruders, a blending unit, a computerized blender-control system, a die tooling system, a spray cooling tank with driven rollers, a traveling cut-off saw, and a run-off table. As processing begins, fiber is placed into the unit's fiber feeder and dried within. Meanwhile, separate from the fiber, the plastics are melted. This separation ensures that fibers will not be burned during plastics melting and that the melted plastic will encapsu-

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late the fibers completely. These materials are then mixed, and any remaining moisture or volatiles are removed by vacuum venting. Next, the materials are shaped in a die, cooled in the conveyor spray tank (which allows the new composite product to be cooled and pulled without stress), cut to the desired length and collected on the run-off table.

Purchase of the Woodtruder™ was enabled in part by grants from the National Science Foundation, US Department of Agriculture and Maine Technology Institute. If your organization is interested in researching a new product or enhancing an existing product line, contact us at (207) 581-2123 or contactaewc@umit.maine.edu. You can also learn more about the extruder and the AEW Center by visiting our website: www.aewc.umaine.edu

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**SIGN-UP SHEET FOR SWST COMMITTEES**

A sign-up sheet for SWST Committees is included as page 15 of this *Newsletter*. If you are interested in serving on any of these committees, please fill in the sheet, tear it off and send it to the address noted.

**Conferences and Events**

**PRELIMINARY ANNOUNCEMENT AND CALL FOR PAPERS**

**FIFTH EUROPEAN PANEL PRODUCTS SYMPOSIUM  
10/11/12 OCTOBER 2001, LLANDUDNO UK**

**Contact:**

The Conference Organiser  
The BioComposites Centre  
University of Wales, Bangor  
Gwynedd  
LL57 2UW, UK

**Tel:** (+44) (0) 1248 370588  
**Fax:** (+44) (0) 1248 370594

**e-mail:** Sue Grif-

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**JOINTS IN TIMBER STRUCTURES SYMPOSIUM**

You are cordially invited to participate in the Symposium on Joints in Timber Structures to be held at the University of Stuttgart, Germany, on 12 to 14 September 2001, sponsored by:

RILEM  
University of Stuttgart  
German Society of Wood Research

The Symposium will be conducted as an integral part of the RILEM Annual Week to be held in Stuttgart, Germany, from 9 to 14 September 2001. The Symposium on "Joints in Timber Structures" is preceded by a Symposium on "Connections between Steel and Concrete"

***Objectives and Scope***

The objective of the Symposium is to provide a forum for presentation of the latest developments and related experimental and theoretical findings concerning joints in timber structures. The Symposium contents comprise the two fundamentally different types of joints:

- glued joints
- joints with mechanical fasteners and further hybrid and semi-rigid joints

*Glued joints*

- finger joints in glulam lamellas, finger-jointed structural lumber, large finger joints for straight and kinked joints
- joints with glued-in rods or plates which may be from wood, plastic or steel
- new gluing techniques as related to joints

*Joints with mechanical fasteners*

- primarily focused on new developments in mechanical-fixation techniques, such as special (hidden) hangers or brackets, special screw applications, multiple nail connectors, etc.

*Hybrid joints, engineered carpenter joints*

- timber-concrete connections, new mortise – tenon joints

*Semi-rigid joints*

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- interaction between glued and mechanical fasteners, textile reinforcements

For all types of mentioned joints, differently accentuated topics, such as testing, simulation, design, building approvals, standardization, production quality control and non-destructive testing, apply.

The Symposium shall bring together scientists, practicing engineers, builders, and adhesive (equipment) and fastener manufacturers for exchange of knowledge and mutual stimulation concerning advanced joints in timber structures.

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**CALL FOR PAPERS**

**THIRD INTERNATIONAL SYMPOSIUM ON  
POLYMER SURFACE MODIFICATION:  
RELEVANCE TO ADHESION**

To be held May 21-23, 2001, at the Robert Treat Hotel; Newark, NJ.

This symposium continues the tradition set by the first in the series, entitled "Polymer Surface Modification: Relevance to Adhesion," which was held in Las Vegas, NV, in 1993. As with its predecessors, this symposium will be concerned with the technological areas where surface modification is a key technology allowing for the processing and manufacture of products that would otherwise be unobtainable. Proper adhesion characteristics are vital to the success of any practical implementation of polymer materials. Though polymers are generally not very adherent, proper surface modification can result in greatly improved adhesion without altering bulk properties. This symposium is organized to bring together scientists, technologists and engineers interested in all aspects of polymer-surface modification to review and assess the current state of knowledge, to provide a forum for exchange and cross-fertilization of ideas and to define problem areas needing intensified efforts.

The invited speakers have been selected to represent widely differing disciplines and interests, and they hail from academic, governmental and industrial research laboratories. This meeting is planned to be a truly international event both in geographic coverage and spirit. The technical program will contain both invited overviews and contributed original research papers. It is planned to chronicle the transactions in a hard-bound volume of archival quality (to match or exceed the standards of the journal literature) that will serve as a reference work for

future generations of investigators.

The following are among the topics to be covered:

**Surface-Modification Techniques**

- Plasma, ultraviolet, corona and laser irradiation
- Ion-beam and flame processing
- Mechanical roughening
- Monolayer deposition, grafting and wet chemical

**Polymer-Surface Modification for Adhesion Improvement of the following:**

- Metal layers (metallized plastics)
- Organic coatings, inks, composites, microorganisms

**Applications and Surface Characterization**

- Packaging, composites, biological implants
- Microelectronics, aerospace, marine... etc.
- All methods for characterization of surface chemistry and morphology (ESCA, SIMS, AFM ...etc)

This symposium is being organized by MST Conferences, LLC, under the direction of Dr. K. L. Mittal, Editor, *Journal of Adhesion Science and Technology*. A proceedings volume is planned for this symposium and further details will be provided in due course. Please notify the conference chairman of your intentions to present a paper as early as possible.

**THIRD INTERNATIONAL SYMPOSIUM ON  
ACID-BASE INTERACTIONS: RELEVANCE  
TO ADHESION**

To be held June 13-15, 2001 at the Robert Treat Hotel; Newark, NJ.

This symposium is the third in a series that began in June 1990 with a symposium in honor of the renowned chemist Prof. F. M. Fowkes. There has been considerable interest in the concept of Acid-Base interactions within the last 25 years or so due to the highly fundamental nature of this topic, which touches on nearly all aspects of pure and applied chemistry. On the theoretical side, a number of investigators are employing the latest and most powerful methods of quantum mechanics to

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understand these interactions. On the practical side, applications abound, ranging from adhesion of organic coatings to the proper formulation of pharmaceuticals. This symposium is organized to bring together scientists, technologists and engineers interested in all aspects of Acid-Base interactions to review and assess the current state of knowledge, to provide a forum for exchange and cross-fertilization of ideas and to define problem areas needing intensified efforts.

The invited speakers have been selected to represent widely differing disciplines and interests, and they hail from academic, governmental and industrial research laboratories. This meeting is planned to be a truly international event both in geographic coverage and spirit. The technical program will contain both invited overviews and contributed original research papers. It is planned to chronicle the transactions in a hard-bound volume of archival quality (to match or exceed the standards of the journal literature) that will serve as a reference work for future generations of investigators.

Among the topics to be covered are the following:

- Acid-Base characterization
  - inorganic materials
  - polymeric materials
- Comparison of acid-base characterization techniques
- Fundamental aspects of acid-base interactions
- Relevance of acid-base interactions to adhesion
- Approaches to measurement of acid-base interactions
- Applications:
  - coatings
  - composites/fabrics
  - magnetic inks
  - polymer fillers

These symposiums are being organized by MST Conferences under the direction of Dr. K. L. Mittal, Editor, *Journal of Adhesion Science and Technology*. A proceedings volume is planned for this symposium and further details will be provided in due course. Please notify the conference chairman of your intentions to present a paper as early as possible. An abstract of about 200 words should be sent by January 15, 2001, to the conference chairman by any of the following methods:

**E-mail:** rhl@mstconf.com

**FAX:** (212) 656-1016

**Regular mail:**

Dr. Robert H. Lacombe  
Conference Chairman

3 Hammer Drive  
Hopewell Junction, NY 12533  
**Contact by phone:** (845) 226-1393

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### UPCOMING CONFERENCES FROM FPS

- FPS-Sponsored Technical Forum at the 35<sup>th</sup> International Particleboard/Composite Materials Symposium; April 2-5, 2001; Washington State University; Pullman, Washington, USA
- 6<sup>th</sup> International Conference on Woodfiber-Plastic Composites; May 15-16, 2001; The Madison Concourse Hotel; Madison, Wisconsin, USA
- FPS 55<sup>th</sup> Annual Meeting; June 24-27, 2001; Omni Inner Harbor Hotel; Baltimore, Maryland, USA
- FPS-Sponsored Technical Seminars at the Forest Products Machinery & Equipment Exposition; July 19-21, 2001; Georgia World Congress Center; Atlanta, Georgia, USA
- FPS 56<sup>th</sup> Annual Meeting; June 23-26, 2002; Monona Terrace Convention Center; Madison, Wisconsin, USA
- FPS 57<sup>th</sup> Annual Meeting; June 22-25, 2003; DoubleTree Hotel; Bellevue, Washington, USA
- FPS 58<sup>th</sup> Annual Meeting; June 27-30, 2004; Amway Grand Plaza Hotel; Grand Rapids, Michigan, USA

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### THE SOCIETY OF WOOD SCIENCE & TECHNOLOGY PRESENTS "EDUCATION: KIDS & TEACHERS"

**Sunday, June 24, 2001**  
**Omni Inner Harbor Hotel**  
**Baltimore, MD**

**8:00-8:15** Introduction & Welcome  
**H. Michael Barnes, President-elect**

**8:15-8:45** How Do Different Age Groups Learn—  
An Educator's View  
**Susan G. Magliaro, VPI**

**8:45-9:15** Educating Teachers  
**Kathy McGlaufflin, Project Learning Tree**

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**9:15-9:45 Woods Walk, Woods Talk**  
*Allan Houston, University of Tennessee*

**9:45-10:15 Educating Kids (& Teachers)-The Wood Magic Science Fair™ Concept**  
*R. Daniel Seale, Mississippi State University*

**10:15-10:45 Measuring Educational Impacts of a Wood Magic Program**  
*Patricia Morrell, University of Portland*

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**PREANNOUNCEMENT  
 WORLD WOODCHIP TECHNOLOGY  
 CONFERENCE 2001  
 25-26-27 July 2001  
 Tasmania, Australia**

A great opportunity to meet colleagues in the worldwide Woodchip Industry will be the **World Woodchip Technology Conference 2001**, to be held on 25-26-27 July 2001 in Tasmania, Australia.

The theme of this conference will be

*Woodchip production, handling and shipping,*

with topics such as the following:

- **woodchipping equipment and screening,**
- **woodchip handling / conveyor equipment,**
- **woodchip bulk transportation systems and,**
- **woodchip shipping..**

Besides the conference there is the possibility for delegates to attend **SITE VISITS** to local woodchip plants.

The exact location of the conference is yet to be decided, but will most likely be in **Launceston, Hobart** or the East Coast of **Tasmania**.

The **proposed programme** of the conference is as follows:

Day 1, Wednesday 25 July 2001

Partner programme  
 09.00 Start Conference  
 Bus tour / Tasmanian heritage  
 - presentations on Woodchipping equipment (transport & lunch incl.) and screening  
 12.30 Lunch

13.30 - presentations on Woodchip handling equipment  
 17.00 End 1<sup>st</sup> Conference day  
 evening Conference dinner

Day 2, Thursday 26 July 2001

Partner programme  
 09.00 - presentations on Woodchip bulk transportation systems and shipping  
 Shopping day (transport & lunch incl.)  
 Lunch  
 12.30  
 13.30 1<sup>st</sup> Site visit to woodchip facility  
 17.00 End 2<sup>nd</sup> Conference day

Day 3, Friday 27 July 2001

Optional 2<sup>nd</sup> site visit to woodchip and shipping plant

The conference will be organised by:

BRISK EVENTS **Tel.:** (31) 33- 43 43 502  
 P.O. Box 18 **Fax:** (31) 33- 43 43 501  
 NL- 3830 AA Leusden  
 The Netherlands

**e-mail:** events@britesite.com

**Website:** www.britesite.com/events

If you are interested in attending the **World Woodchip Technology Conference** please contact BRISK EVENTS or fill out the preregistration form enclosed. If you are interested in giving a presentation on one of the topics mentioned above, please indicate on the pre-registration form enclosed.

**Forestry and Forest Products**

**Street Address:** Bayview Avenue, Clayton Vic.  
**Postal Address:** Private Bag 10, Clayton South MDC, Vic, 3169, Australia  
**Telephone:** (03) 9545 2222  
 (International + 61 3 9545 2222)  
**Direct Telephone:** (03) 9545 2604  
 (International + 61 3 9545 2604)  
**Facsimile:** (03) 9545 2448  
 (International + 61 3 9545 2448)  
**e-mail:** rick.ede@ffp.csiro.au  
**Internet Homepage:** http://www.ffp.csiro.au



## Positions Available

### CSIRO FORESTRY AND FOREST PRODUCTS CLAYTON, VICTORIA, AUSTRALIA

#### Secondary Wood Products

#### 2 POSITIONS

CSIRO Forestry and Forest Products' mission is to increase economic and environmental benefit to Australia by improving the management and productivity of the nation's forests and the quality and value of forest products. To help meet our mission we wish to build our research effort in our Secondary Wood Products Team.

**Position 1: Coatings and Polymers Scientist**  
(Ref. No. FFP2001/1)  
\$54K-\$60K + Superannuation

**Position 2: Post-Doctoral Research Fellow**  
(Coatings and Polymers)  
(Ref. No. FFP2001/2)  
46K-\$53K + Superannuation

The successful applicants will be involved in a research program focusing on the interactions of coatings and/or adhesives with timber surfaces.

To be considered for the Coatings and Polymers Scientist position you will have a PhD, or equivalent qualifications, in a relevant branch of science, with expertise in coatings, adhesives, polymers and/or materials science and a substantial track record, preferably in industrially focused research. The ability to work independently or as a member of a team and to manage multiple tasks effectively is essential. Excellent oral and written communication skills are an important component of this position, as you will be required to communicate with your peers and with clients who may be non-technically trained.

To be considered for the Post-Doctoral Research Fellowship you will have a Ph.D. in an appropriate scientific discipline and no more than three years' relevant experience since conferral of the doctorate. A sound theoretical base, high-level analytical skills and evidence of initiative are essential for this three-year fellowship.

A background in wood science, while desirable, is not essential for either position.

Further information may be obtained by contacting Dr. Rick Ede on +61 3 95452604 or by e-mail at Rick.

Ede@ffp.csiro.au. A copy of the duty statement and selection criteria may be obtained by contacting Ms. Maria Germano on +61 3 9545 2217 or by e-mail at Maria.Germano@ffp.csiro.au.

Applications quoting the relevant reference number are to be framed against the selection criteria. Qualifications, work experience and the names of at least three referees must be included with your application and be forwarded to this address:

The Human Resources Manager  
CSIRO Forestry and Forest Products  
Private Bag 10  
CLAYTON SOUTH Victoria 3169 Australia

no later than 9 February 2001.

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### EARLY ALERT GS-11/12/13 RESEARCH FORESTER/ RESEARCH FOREST PRODUCTS TECHNOLOGIST USDA FOREST SERVICE, NORTHEASTERN RESEARCH STATION, PRINCETON, WEST VIRGINIA

The USDA Forest Service (an equal opportunity employer) in Princeton, WV, seeks a permanent, full-time scientist to conduct research on wood quality and processing of eastern hardwoods. The scientist is a member of a team conducting research on "Efficient Use of the Northern Forest Resource," whose mission is to promote natural-resource conservation and help sustain forest-based industries through research and development on resource characteristics, forest-management practices, and innovative processing technologies. The scientist participates with other team members working on wood-quality and wood-processing projects.

**Duties:** Primary duties are to design and conduct research to a) to determine how silvicultural practices and forest operations affect wood quality and wood-utilization opportunities, b) to evaluate the efficiency of alternative tree-bucking and primary-processing systems, and c) to conduct technology-transfer activities to promote adoption of resource-efficient forest-management and wood-processing alternatives.

**Qualifications:** M.S. or Ph.D. in forestry, forest-products technology, or wood science. Experience with hardwood silviculture, and/or hardwood-tree and log-quality attributes, and/or hardwood roundwood markets is required. Experience in conducting field work, computer-based

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studies, and/or mill-processing studies is also required. Proficiency in experimental design, statistical analysis, and technical writing and speaking is important. Must be a US citizen.

**Salary:** \$43,326 yearly (GS-11) to \$61,749 (GS-13). Benefits are included. Normal amounts of travel are required.

**Location:** The Forestry Sciences Laboratory is located in southeastern West Virginia, near Princeton - population 22,000. Nearby colleges include Concord College, Bluefield State, and Bluefield College. The Princeton area is a regional health-care center with three hospitals and rehabilitation and mental-health facilities. Outdoor recreation opportunities abound, with the Jefferson and Monongahela National Forests, New River Gorge Park, Pipestem State Park, and Winterplace ski resort among them. Princeton is 45 minutes from Blacksburg, VA, and Virginia Tech; 1.5 hours from Charleston, WV ; 2 hours from Roanoke, VA; 3 hours from Charlotte, NC; and 5 hours from Washington, DC.

**Contact:** The position will be officially advertised in spring/early summer both within the Forest Service and externally via [www.usajobs.opm.gov](http://www.usajobs.opm.gov). All people who respond to this early alert will be notified when and how to apply for this position. Interested persons may send a resume to or contact Dr. John E. Baumgras, USDA Forest Service, 241 Mercer Springs Rd., Princeton, WV 24740; (304) 431-2701 or (304) 285-1575; fax (304) 431-2772; email [jbaumgras@fs.fed.us](mailto:jbaumgras@fs.fed.us) or Dr. Jan Wiedenbeck (304) 431-2708; e-mail [jwiedenbeck@fs.fed.us](mailto:jwiedenbeck@fs.fed.us).

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**COMMUNICATIONS AND MARKETING  
MANAGER**

**CENTER FOR FOREST PRODUCTS  
MARKETING AND MANAGEMENT  
DEPARTMENT OF WOOD SCIENCE AND  
FOREST PRODUCTS  
VIRGINIA POLYTECHNIC INSTITUTE AND  
STATE UNIVERSITY  
BLACKSBURG, VIRGINIA**

**General Information:** The Center for Forest Products Marketing and Management is a program in the Department of Wood Science and Forest Products at Virginia Tech. It includes members of the Wood Science and Forest Products faculty, industry, trade associations and forest-products companies. The Center serves its mem-

bers by providing marketing research and formal and informal education in the field of forest-products marketing and management.

**Position Description:** The **Communications and Marketing Manager** will report to the Director of the Center for Forest Products Marketing and Management. He/she will work closely with the faculty and staff of the Center. Responsibilities include the following:

- Editing, producing and distributing quarterly newsletters, center reports, and research updates
- Maintaining regular close contact with industry and associations members of the Center through correspondence, telephone and email communications and face-to-face visits
- Organizing periodic meetings for the Advisory Board of the Center
- Implementing and coordinating a student recruiting strategic plan, and assisting in the recruiting effort
  - Identifying and pursuing new members
  - Expanding the scholarship program of the Center
  - Coordinating co-op, internships, and permanent employment opportunities of the Center

**Qualifications:** Success in this position will require strong communication, writing, and fundraising skills. Familiarity with forest-products industries is preferred. Forestry, marketing, or business experience is acceptable. Sales, marketing, or trade-association experience is desirable. A B.S in Forest Products or a related field is required; a Master's degree is preferred. Willingness to travel extensively is a requirement.

**Salary Information:** Salary for the position is a minimum of \$30,000 per year with all the benefits the Commonwealth of Virginia provides for State employees. The opportunity to take courses at Virginia Tech tuition free also exists.

**Application Procedures:** Applications will be received until March 1, 2001, or until a suitable candidate is identified. The official state application has to be used and should include a letter of intent, curriculum vita, and names of at least three references. Refer to Public Relations Specialist and job number 006837 on the state application. Mail to the following address:

Personnel Office  
Virginia Tech, Mail Code 0318  
Blacksburg, VA 24061

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The state application form can be printed from <http://www.ps.vt.edu/ps/downloads/stateapp.doc> or a form can be obtained by e-mail at [garnandd@vt.edu](mailto:garnandd@vt.edu) or by phoning (540) 231-8853.

Virginia Tech has a strong commitment to the principle of diversity and, in that spirit, seeks a broad spectrum of candidates including women, minorities, and people with disabilities. Individuals with disabilities desiring accommodations in the application process should notify Geza Ijfu at (540) 231-8853 or at TTY 1-800-828-1120 by the application deadline.

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**FACULTY POSITION**

**POSITION: ASSISTANT PROFESSOR,  
WOOD SCIENCE (FIBRE SCIENCE OR  
COMPOSITES),  
FACULTY OF FORESTRY,  
UNIVERSITY OF TORONTO**

**Qualifications:** Candidates should have a Ph.D. in wood science, forestry or a related discipline, with specialization in fibre science, wood-composites/wood-adhesives or wood chemical processing. Interests in value-added product development, the environmental impact of wood products, and forest and product certification would be advantageous. Excellent research potential and strong interest in innovative teaching are essential qualifications.

**Responsibilities:** The Faculty of Forestry is responsible for four graduate and two undergraduate programmes. The MScF and Ph.D. involve courses and thesis research linked to the research interests of individual staff. The Master of Forest Conservation (MFC) emphasizes field and practical work in Canada and abroad. A Master of Wood Engineering programme, being introduced with the Faculty of Applied Science and Engineering, will involve close interaction with the forest-products industry. The successful candidate will be expected to be involved in this programme and in the MScF and Ph.D. programmes, with some involvement in the MFC programme. Some contribution will also be expected to the BSc in Forest Conservation Science and B.A. in Forest Conservation programmes.

**Applications:** The appointment will start on July 1<sup>st</sup>, 2001. Salary will be commensurate with qualifications and experience. In accordance with its Employment Equity Policy, the University of Toronto is strongly committed to diversity within its community. The University especially welcomes applications from visible minority-group members, women, Aboriginal persons, persons

with disabilities and others who may contribute to further diversification of ideas. Applications with a detailed curriculum vita should be submitted before **April 19, 2001**. **Applicants should also arrange for three referees to send letters of reference at the same time to the following address:**

**Professor Rorke Bryan  
Dean, Faculty of Forestry  
University of Toronto  
33 Willcocks Street  
Toronto, ON M5S 3B3  
or  
[joan.bunyan@utoronto.ca](mailto:joan.bunyan@utoronto.ca)**

\*\*\*\*\*

**POSITION ANNOUNCEMENT**

**PROFESSOR AND DIRECTOR  
TENNESSEE FOREST PRODUCTS CENTER  
THE UNIVERSITY OF TENNESSEE**

**Job Description:** The Director administers programs for the Tennessee Forest Products Center (TFPC) within the University of Tennessee Institute of Agriculture (UTIA). Responsibilities include leading a nationally competitive research program in his/her expertise; developing and maintaining working relationships with the wood-using industries in Tennessee and state and federal agencies; and providing leadership for the TFPC, including program development and coordination; management of fiscal, personnel and physical resources; securing extramural funding; and recruitment, promotion and retention of faculty, staff and graduate students. The Director is expected to enhance the local, national and international reputation of the TFPC.

**Qualifications:** A Ph.D. in forest products, wood science, engineering, materials science or a related discipline is required. We seek a visionary leader with skills and motivation to continue building a world-class forest-products program at the University of Tennessee. The Director must be able to communicate effectively with people at all levels in industry, university, government, and private sectors.

**General Information:** The TFPC was established in 1996 with the mission to solve problems for forest-products producers in Tennessee and the region through research and education. There is a staff of nine professionals with strong alliances to other faculty and staff resources on the University campus and at the Oak Ridge National Laboratory. The Center is moving into a new 12,000-square-foot research and office complex on the Agricultural Campus this spring. For further information,

*(Continued on page 11)*

visit the TFPC web page : <http://web.utk.edu/~tfpc/>

The University of Tennessee, Knoxville, is situated in East Tennessee, less than 200 miles north of Atlanta and adjacent to the Great Smoky Mountains. The city of approximately 200,000 people provides a metropolitan atmosphere with many cultural activities sponsored by the city and the University.

**Application and Nomination:** Interested applicants should provide a formal letter of application, a curriculum vita detailing qualifications and experience, and the names, postal and e-mail addresses, and telephone numbers of five professional references. Nominations are encouraged and should be made in writing. Review of applications will begin April 16, 2001, and continue until the position is filled.

**Submit Inquiries to the following:**

Dr. Wayne K. Clatterbuck

Chair, TFPC Search Committee  
The University of Tennessee  
Department of Forestry, Wildlife & Fisheries  
P.O. Box 1071  
Knoxville, TN 37901-1071  
**Voice:** (865) 974-7346  
**Fax:** (865) 974-4714  
**e-Mail:** wclatterbuck@utk.edu

The University of Tennessee does not discriminate on the basis of race, sex, color, religion, national origin, age, disability or veteran status in provision of educational programs and services or employment opportunities and benefits. This policy extends both to employment by and admission to the University. The University does not discriminate on the basis of race, sex or disability in the education programs and activities pursuant to the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act (ADA) of 1990. Inquiries and charges of violation concerning Title VI, Title IX, Section 504, the ADA, the Age Discrimination in Employment Act (ADEA) or any of the other above referenced policies should be directed to the Affirmative Action Coordinator, 218 Morgan Hall, P.O. Box 1071, Knoxville, TN 37901-1071, telephone (865) 974-7275. Requests for accommodation of a disability should be directed to the ADA Coordinator at the above address.

## TENURE-TRACK FACULTY POSITION IN COMPOSITE MATERIALS ENGINEERING

### WINONA STATE UNIVERSITY

The Department of Engineering at Winona State University seeks candidates for a tenure-track faculty position beginning August 2001. The appointment will be at the Assistant Professor level; however appointments at a higher rank may be considered depending on qualifications and experience.

Candidates must have a Ph.D. Degree in Materials Science and Engineering or a closely related engineering field. The successful candidate will be expected to teach undergraduate engineering and composite-materials-related courses, develop scholarly and creative research activities, contribute to students' growth, participate in departmental activities, and provide service to the university and community. Preference will be given to candidates with experience in the processing and characterization of polymeric and polymer-matrix composite materials.

The Department of Engineering at Winona State University (<http://engrweb.winona.msus.edu>) offers the only undergraduate program in composite-materials engineering in the U.S. (accredited by EAC of ABET). The Department consists of five faculty and more than 150 undergraduate students. A B.S. Degree is offered in Composite Materials Engineering. The Department houses state-of-the-art laboratories that provide excellent opportunities for research and professional development.

Qualified applicants should submit a letter of application, a detailed resume, transcripts, and the names, addresses, and phone numbers of at least three references to the following address:

Engineering Search  
Tenure Track Faculty Position  
Affirmative Action Office  
Winona State University  
P.O. Box 5838  
Winona, MN 55987

Screening of applications will begin on March 31, 2001. Position available pending budgetary approval. Winona State University is an affirmative-action, equal-opportunity employer.



## Letters

Dear Ms. Herian,

We would like to take this opportunity to introduce you to the Process Sensors Model MCT 200/300 multi-constituent, non-contact, infrared gauge to determine the moisture, resin, and wax content of composite board and laminated paper products.

The MCT 200/300 is truly a smart gauge, as it does not require a remote processor or interconnecting cable to operate. The single board configuration simplifies problem solving. Unlike other gauges on the market, the MCT 200 has eliminated calibration drift caused by temperature build-up, height sensitivity, and light sensitivity. Standard outputs of 4-20 mdc, 0-10 vdc, RS 232, and RS 485 are provided directly from the sensor head. Additional interface outputs can be provided. View our MCT 200 brochure at: [www.processsensors.com/download.html](http://www.processsensors.com/download.html)

The Process Sensors Model MCT 200/300 has become the industry standard in the particleboard, fiberboard, medium density fiberboard, and oriented strandboard industry in North America, for measuring moisture, resin and wax content, in all sorts of applications. A variety of applications also exist in the laminating end of the process. All of the Process Sensors gauges are backed up by a two-year warranty.

If you are an existing Micro-Quad or Quadra Beam user, you will find enclosed information on our Convert - A - Quad program to upgrade your existing analyzers to the Process Sensors smart technology. View our Convert - A-Quad (8000) brochure at: [www.processsensors.com/download.html](http://www.processsensors.com/download.html)

For additional information on our products, or to arrange in-plant demonstrations or trials, please feel free to contact us at the number listed below, or visit our web site at [www.processsensors.com](http://www.processsensors.com). You may also contact me directly at 203-452-7905, or via e-mail at [peter-naiden@processsensors.com](mailto:peter-naiden@processsensors.com).

Very truly yours,  
Process Sensors Corp  
Peter J. Naiden

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

Web site: <http://www.swst.org>

Fax: (608) 231-9592

E-mail: [Doug\\_Gardner@apollo.umenfa.maine.edu](mailto:Doug_Gardner@apollo.umenfa.maine.edu) or [vicki@swst.org](mailto:vicki@swst.org)

**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 Gardner, at the above Society address.

### Society of Wood Science and Technology

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Editorial Assistant:

Carol B. Ovens

Newsletter Editor:

Douglas J. Gardner



The logo for the Society of Wood Science and Technology (SWST) features the letters "SWST" in a bold, white, sans-serif font, centered within a solid black rectangular background.



**Editor's Note***(Continued from page 1)*

for bankruptcy. These plants are within a 40-mile radius of UMaine!

This time of year is busy for me. I'm teaching my Adhesion and Adhesives Technology class, which meets four times per week, and I have a Ph.D. student currently taking his prelims. I'm looking forward to the Board Meeting in Savannah. A little southern atmosphere will do this Maine boy some good!

Meanwhile, to enhance your computer literacy, here's a few Maine computer terms...

1. Log on - Make the wood stove hottah.
2. Log off - Don't add no more wood.
3. Monitor - Keep an eye on that wood stove.
4. Download - Get the firewood off the truck.
5. Floppy disk - What you get from trying to carry too much firewood.
6. Ram - The thing that split that firewood.
7. Hard drive - Getting home in the wintah.
8. Prompt - What the mail ain't during the wintah.
9. Window - What to shut when it's cold outside.
10. Screen - What to shut during black fly season.
11. Screen saver - Duct tape for the torn window screen.
12. Byte - What the black flies do.
13. Bit - What the black flies did.
14. Megabyte-What the BIG black flies do during trout season.
15. Chip - Munchies for TV.
16. Microchip - The crumbs in the bag after you've eaten the chips.
17. Modem - What you did to the weeds growing in the driveway.
18. Dot matrix - Old Dan Matrix's wife.
19. Lap top - Where the beer spills when you pass out.

20. Software - The dumb plastic knives and forks they give you at McDonald's.

21. Hardware - Real stainless-steel cutlery.

22. Mouse - What makes the holes in the Cheerios box.

23. Main frame - What holds the house up, hopefully.

24. Enter - The only way to win those magazine ad sweepstakes.

25. Web - What a spidah makes.

26. Web site - What's found in the corners of high ceilings.

27. Cursor - Someone who swears.

28. Search engine - What you do when the cah dies.

29. Home page - Map you keep in your back pocket in case you get lost in the woods.

30. Upgrade - Steep hill.

31. Server - Waitress.

32. Mail server - Male waitress, damn few in Maine.

33. Sound card - One of them technological birthday cards that plays music when you open it.

34. User - The neighbor who keeps borrowing stuff.

35. Browser - A problem moose in the garden or blueberry patch.

36. Network - Mending holes in the fishnet.

37. Internet - Complicated fishnet-repair method.

38. Netscape - What haddock do when you don't do your network.

39. Online - Good sign there'll be clean clothes this week.

40. Offline - The clothespins let go and the laundry fell to the ground.

Respectfully submitted,

Doug Gardner



### Committee Sign-Up Form

I would like to serve on the following committee(s): (please indicate your first, second, and third choice)

- Accreditation \_\_\_\_\_
- Education \_\_\_\_\_
- International Relations \_\_\_\_\_
- Marra Award \_\_\_\_\_
- Membership \_\_\_\_\_
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e-mail \_\_\_\_\_

Please return to:

Bob Rice  
University of Maine  
Department of Forest Management  
Nutting Hall  
Orono, Maine 04469

**Tel:** (207) 581-2883  
**FAX:** (207) 581-2875

**e-mail:** robert.rice@umit.maine.edu

