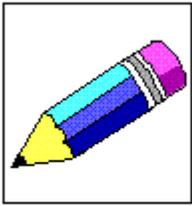




July - August 1996 NEWSLETTER

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**Pencil and
Paper**

The SWST Annual Meeting in Minneapolis is now a memory, and a good one it is. The plenary session featured informative speakers, and the technical sessions (co-sponsored with the Forest Products Society) were keenly focused on the fundamental science of wood as a material.

The First Place George G. Marra Award of Excellence was presented to Charles B. Vick, Klaus Richter, Bryan H. River, and Albert R. Fried, Jr. Two Honorable Mention Awards were made, to Stan T. LeBow and Jeffrey J. Morrell, and to Thomas D. Skaggs and Donald A. Bender.

Congratulations, gentlemen!

Dr. E. Allen McGinnes, Jr., Professor Emeritus of the University of Missouri-Columbia, was present to receive the 1996 SWST Distinguished Service Award. Al noted with pride that the day on which he received the award, June 23, marked his 45th Wedding Anniversary. Al was accompanied by his wife, Jean, and daughter, Karen. Dr. McGinnes expressed his sincere thanks to all those people who have contributed to this award, that is, all those with whom Al has worked over the years. Thanks, Al, for all your work on behalf of the Society and the profession throughout your career!

Awards were also made in the First Annual SWST Student Poster Competition. Robert G. Schmidt of Virginia Tech was awarded First Prize for his poster on "Network Characterization of Phenol Formaldehyde Thermosetting Wood Adhesive." Laura K. Brantley of Washington State University received Second Prize for her poster, "Applicability of Damage Accumulation Models for Cyclic Loading of Lumber." The faculty advisors for Mr. Schmidt and Ms. Brantley are Dr. Charles E. Frazier and Dr. Ken Fridley, respectively. All of the other student participants in the competition are listed on page 2.

A transition of officers also occurred at the meeting. Thanks to outgoing board members Howard Rosen, Barry Goodell, and Mike Hoag for your dedicated service. Your new board members are J. David Barrett (Vice President) and Fran Wagner and Doug Stokke (Directors). We are looking forward to a dynamic year under the leadership of President Duane Lyon. - D.D.S.

SOCIETY NEWS

Students Showcase Research at the 1996 Annual Meeting

The inaugural SWST Student Poster Competition was held in Minneapolis on June 23. Judging of the event was extremely difficult due to the high quality of the work presented by these future leaders.

The First and Second-Place winners, **Robert G. Schmidt and Laura K. Brantley**, received certificates and checks for \$100 and \$50, respectively.

All other participants received Certificates. They are: Karl Englund, Washington State University John M. Guerin, University of Maine Eva Haviarova, Louisiana State University Wenhua Hua, Washington State University Srinivasan Krishnamurthy, University of Maine Jong Nam Lee, Auburn University Christopher A. Lenth, Virginia Tech University Brent D. Olson, Washington State University Nicole Robitaille, Virginia Tech University Brian Tucker, Washington State University Huaijun Wang, University of Maine

Congratulations and thanks to all students for your participation and the high quality of your work. For the record, the judges were Howard Rosen, Sue Willits, Doug Stokke, and Bill Boehner. Audrey Zink, Chair of the SWST Education Committee, directed the work of the judges.

Update on National Geographic Article

Bob Youngs has contacted National Geographic Magazine regarding the possibility of a feature article on wood as a material of significance in human society. The initial proposal has not met with success, so Bob is requesting additional help with this effort. Specifically, he is looking for photographs which would dramatically demonstrate the intricate and fascinating nature of wood. In addition, Bob requests assistance from anyone with experience and/or contacts in dealing with National Geographic or similar publications to lend their expertise or insights into the process of generating a successful proposal for an article. You can contact Bob by calling 540-231-7673, fax 540-231-8868, or email ryoungs@vt.edu.

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. Web: <http://www.fpl.fs.fed.us/swst> 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: D.Stokke:S24L11A E-Mail: dstokke@siu.edu Society of Wood Science and Technology President: Duane Lyon Past President: Geza Ifju President Elect: Fred Kamke Vice President: J. David Barrett Executive Director: Vicki L. Herian Directors: Susan A. Willits, Michael P. Wolcott, Francis G. Wagner, Douglas D. Stokke Editor, Wood and Fiber Science: Robert L. Youngs Editorial Assistant: Carol B. Ovens Newsletter Editor: Douglas D. Stokke

1996 Annual Meeting Minutes June Minneapolis, Minnesota

The meeting was called to order by President Geza Ifju at 11:45 a.m.

Minutes of 1995 Meeting - A motion was made, seconded, and passed to accept the minutes of the 1995 Annual Meeting as published in the July-August 1995 Newsletter.

Executive Director's Report - Copies are available from Vicki upon request. A motion was made, seconded and passed to accept the report.

Auditor's Report - Copies are available from Vicki upon request. A motion was made, seconded and passed to accept the report.

1996 Financial Report and Income Statement and 1997 Budget - Copies of these documents are available from Vicki upon request. A motion was made, seconded and passed to accept the 1997 Budget.

Wood and Fiber Science - Copies of Editor Bob Youngs' report are available from Vicki upon request. All authors should please read carefully the "Information for Authors." It would eliminate many delays.

IUFRO 1997 {All Division 5} Meeting - The meeting will be held on July 7-12, 1997 in Pullman, Washington. Brochures announcing this are available.

Committee Reports - Some Committee Reports were published in the May-June Newsletter. Those that were not available at that time will be published in the July-August Newsletter.

George Marra Award Committee - Guidelines have been changed to allow a committee member to have a paper for consideration. That committee member must abstain from voting on their paper.

4-H - The Board has changed the name to Public Liaison Committee. The Society has become involved in the past few years with several organizations, i.e. RNRF, CAST, Board on Agriculture, FFA, IWF, 4-H. This committee will have the charge to coordinate representation and attendance at meetings of these organizations. They will also be preparing a portable poster display describing SWST. The Board has budgeted \$3000 for this committee this year.

Newsletter - Doug Stokke thanked everyone for their support in sending articles for the Newsletter, and asked for continued news.

Constitutional Change - A motion was made, seconded and passed unanimously to accept the changes in the Constitution and Bylaws establishing an affiliate membership category. This will now be voted on in a letter ballot within 30 days of the Annual Meeting.

WWW Home Page - Thanks was given to Louisiana State University for their support in preparing our Society Home Page. Please visit this site and give us your comments.

Teller's Report - Vice President: Dave Barrett; Directors: Doug Stokke and Fran Wagner. 138 ballots returned.

President's Comments - Geza thanked the Board Members who were going off the Board - Howard Rosen, Barry Goodell, and Mike Hoag. He indicated that he felt the two major accomplishments this year were the steady increase in student members and the creation of the World Wide Web Home page. He then turned the meeting over to the new President - Duane Lyon. Duane's first order of business was to present Geza with a President s Plaque.

New Business - Duane made a call to the membership asking for a new Newsletter Editor. Doug Stokke has done this for 3 years and is looking for a replacement. Anyone that is interested should contact Doug or Vicki. Volunteers are needed to act as reviewers for Wood and Fiber Science. Anyone interested in serving in this capacity should contact Bob Youngs. Committee sign-up form are in the Annual meeting packets. Anyone that is interested in serving on a committee should fill these out and give to Vicki.

A motion was made, seconded and passed to adjourn the meeting at 12:45 p.m.

The Joint FPS/SWST Fundamental Disciplines TIG Session followed from 1:00 to 4:00 and the Technical Forum was held from 4:00 to 5:30.

VICTORIA L. HERIAN, Executive Director



Visiting Scientist Committee - Philip Steele

The committee processed 2 applications for funds to support visiting scientists. These were: 1) Geoffrey Daniel, Department of Forest Products, Swedish University of Agricultural Sciences, for Barry Goodell, University of Maine(\$958.25); 2) Doug Gardner, Michigan Technological University, for Bob Tichy, Washington State University(\$816.40). Trip reports were submitted for both visits. Barry Goodell's was

published in the March/April 1996 issue of the newsletter. Bob Tichy's report for his visit to Michigan Tech, March 13-15, 1996, appears below:

"Dr. Doug Gardner of Michigan Tech invited me to visit the Institute of Wood Research to meet with the faculty, staff, and students. I gave seminars discussing two aspects of my research that included: 1) Sustainable development and its implications for the forest products industry; and 2) Wood-based building materials and systems.

On March 14 I discussed Biotechnology with Dana Richter and Gary McGinnis and Preservation with Peter Laks. March 15 I met with Vincent Chiang to view his tissue culture facilities, discussed composites with Bernie Sun and John Wang, visited the "Sands" research facility, and met with Bogue Sandberg and Bill Bulleit to discuss potential joint projects in wood engineering. There was also enough time to discuss molded strand products with John Diebel and Bruce Haataja. My itinerary in Houghton was extremely well organized and managed.

To observe the varied activities of the Institute was most informative and enjoyable. The chance to network with colleagues is always useful and productive. Not only was I able to discuss research in areas of my personal interest, but I was also able to observe and discuss other related research areas.

I want to thank the Society of Wood Science and Technology for the opportunity to participate in this valuable program." - Robert J. Tichy

New Members - March 1, 1996-May 31, 1996

Student Members

1. Menandro N. Acda, Oregon State University
2. David Baker, Oregon State University
3. Scott Arthur Bowe, University of Minnesota
4. Pei-yu Chen, Nacagdoches, Texas
5. Karl Englund, Albion, Washington
6. John M. Guerin, University of Maine
7. David Harper, Washington State University
8. Eva Haviarova, Louisiana State University
9. Mike L. Hsu, Starkville, Mississippi
10. Wenhua Hua, Pullman, Washington
11. Lee June-Ho, Seoul National University
12. Scott Larsen, SUNY
13. Mehmet Altay Bastruk, SUNY
14. Jong Nam Lee, Auburn University
15. Robert D. Maze, State College, Pennsylvania
16. Brent D. Olson, Washington State University
17. Nicole Robitaille, Blacksburg, Virginia
18. Robert G. Schmidt, Blacksburg, Virginia
19. Ruth Smith, Edina, Minnesota
20. Huaijun Wang, University of Maine
21. Bingning Zhou, University of British Columbia

Full Members

1. William Harrington, Gaithersburg, Maryland
2. Agyei-Boakye Isaac, Norway
3. M. Ann Miller, Cargill

4. Bo Nickoloff, Larex, Inc.
5. Sei Chang Oh, Taegu University

Welcome to All of these New Members of SWST! We welcome your participation in our programs and committees. Please let us know your needs.

Peralta Joins NCSU Faculty RALEIGH, N.C.

Dr. Perry Peralta has joined the Department of Wood and Paper Science at North Carolina State University, Raleigh, as an Assistant Professor. He will be involved in the wood products teaching and research programs, mainly in the area of wood physics. Perry will be teaching in the area of wood physical properties, quality control, and wood physics. His research interests include transport phenomena in wood, wood-moisture relations, and lumber drying. Research projects he is currently working on include nonisothermal moisture transport in wood, sorption isotherms for wood subjected to intermediate humidity cycles, water potential and its relationship to the hygroscopic and water flow properties of wood, and nonisothermal radio frequency drying of lumber. Perry comes to North Carolina State after working for five years as an assistant professor in the Department of Forest Resources, Clemson University. Prior to that, he was a post-doctoral research associate at Oregon State University and an instructor at the University of the Philippines at Los Banos. Perry completed his Ph.D. in Wood Science and Forest Products at Virginia Tech and received both his B.S. in Forest Products Engineering and M.S. in Wood Science and Technology from the University of the Philippines at Los Banos. Perry's address is: Department of Wood and Paper Science, Box 8005, North Carolina State University, Raleigh, NC 27605-8005. Phone 919-515-5731, fax 919-515-6302, email peralta@cfr.cfr.ncsu.edu

1996 Leadership Summit of the Renewable Natural Resources Foundation (RNRF): "Working Towards a Sustainable Future" WASHINGTON, D.C.

I represented the Society of Wood Science and Technology at this meeting on June 14 at the American Geophysical Union headquarters in Washington, D.C. and sponsored in cooperation with the American Association of Engineering Societies and the World Engineering Partnership for Sustainable Development. RNRF mission is to advance interdisciplinary science, understanding, and stewardship of renewable resources by fostering activities among professional, scientific, and educational organizations and through public education. SWST, along with 20 other organizations, make up the membership. The meeting was attended by about thirty five leaders from the societal membership and focused on organizations programs and the challenges of sustainable development. There were four plenary talks on various topics of sustainable natural resource development. The last talk was by Keith Laughlin, from the President's Council on Environmental Quality. Keith talked about the report by the President's Council on Sustainable Development, "Sustainable America: A New Consensus for Prosperity, Opportunity, and a Healthy Environment for the Future and the implementation of this report's recommendations. Working sessions were held and several recommendations and action items were suggested. Several that would effect SWST are:

- o RNRF would serve as a clearing house for directing inquiries on sustainable natural renewable resource development to its member organizations.
- o RNRF would be aware of possible site visits through member organizations to provide information or demonstrate good practices for sustainable development of our natural renewable resources.
- o The importance of global influences on the sustainable development are understood and international involvement for member organizations was encouraged.

- Howard Rosen, RNRF Board Member for SWST



Connections

If you recall the last iteration of "Connections" (it seems like such a long time ago...), you know that our story left off without an ending. Well, I am pleased to report a happy ending, in that I was able to successfully "uucode" my binary file for transfer by email. And, Mischa (my accomplice and tutor in all of this) was able to decode the file on the receiving end. You may also recall that this procedure lends itself (to the non-computer jock, anyway) to a certain amount of gnashing of teeth. Happily, there are easier ways to send files back and forth over the Internet, so let's explore a couple of these procedures. Some of you may have an email program that has some unknown (to you, anyway)

functions. For instance, I use a "pop" mail program called Eudora, which has this mysterious thing called "BinHex 4.0." It turns out that this is a program which will convert your BINary files (e.g. a word processing file or an executable program) to a HEXidecimal file which is a format that you can then send by email. And the marvel is that the pop mail program will automatically convert your attached file for you in either the send or receive mode. The only trick is that whomever you are corresponding with must have a compatible program to decode your BinHex-encoded file. Maybe you have had the wonderful experience of receiving a screen full of computer garbage, with the only discernible phrase "This file must be decoded using BinHex 4.0" appearing at the top. Perhaps you sat there scratching your head over this, but really this is trying to simplify your life (i.e., avoid the trouble of uucoding). If you have this on your email program, try it on one of your buddies and see if you can get it to work! An even simpler means (to my way of thinking) for file transfer is to ftp your files. Maybe you've used ftp to GET files (download) from the Internet. You can also use ftp to SEND files. The only catch here is that you generally need to have the person on the receiving end to set up their computer so that you have remote access to their disk (after all, they wouldn't want just anyone stuffing programs and files onto their computer). Mischa provided me with such access to his computer at LSU, and believe me, sending files to him by ftp is marvelous. I use a program called "WS_FTP" and it automatically encodes binary files for rapid transfer over the Internet. Isn't technology amazing? - D.D.S



WOODPRO

Information Please

is a lumber database and wood selection expert system. It runs on any IBM PC or compatible. As a database WOODPRO contains 331 common types of wood and their properties. As an expert system WOODPRO can make simple or complicated queries that use physical properties, woodworking properties, color, and current prices. For example, you could ask it for all the strong black woods that plane well, and list them by order of price. WOODPRO exists because I want to spread the word about the amazing, varied, and under used properties of wood. You can download WOODPRO from either of these sites: <ftp://ftp.rahul.net/pub/geary/woodpro> <http://www.woodworking.com> WOODPRO is for suppliers, professionals, and hobbyists. Suppliers can load the price file with their prices. Customers who use WOODPRO in the yard can only see wood that is in stock. The price file can be distributed by email at no cost. Professionals can easily make their own price file (if they want) for the suppliers they use. WOODPRO's queries provide quick cost-effective alternatives to the small number of woods each professional normally uses. Lower costs and happier customers mean bigger profits. Hobbyists can use WOODPRO to quickly find the right wood for the job at the right price without having to cross-reference a bunch of woods in a pile of books (unless they want to). Ken Young kyoung@iptcorp.com

IUFRO Forestry Terminology Database

Since February 1995 the IUFRO Secretariat in Vienna, Austria, has been running a clearinghouse for forestry terminology. Besides the establishment of a forestry term database, the encouragement, promotion and realization of activities in forestry terminology, this service unit called SYLVAVOC has the task to collect, describe and store terminologies and relevant publications in forestry and to inform on their existence worldwide. This library of dictionaries, terminologies and other terminological publications in the field of forestry offers at present around 100 references to relevant publications. A total of 20 languages is represented. The great majority of the documents is in English. German, French and Spanish follow. For more information, contact: Renate Pruessler IUFRO Secretariat/Terminology E-mail: pruessler@forvie.ac.at tel: +43 1 8770151/21

ASSISTANT/ASSOCIATE PROFESSOR OF EXTENSION FOREST PRODUCTS - UNIVERSITY OF TENNESSEE, KNOXVILLE

Description: The University of Tennessee Agricultural Extension Service seeks to fill a Forest Products Extension Specialist position within the Forestry program in the Department of Forestry, Wildlife and Fisheries.



**Positions
Available**

The position is located in Knoxville, but has state-wide responsibility in forest products extension. We are seeking a qualified applicant to serve the forest products industry in the following roles:

- provide leadership for planning, developing, implementing, evaluating and reporting a comprehensive statewide program for the primary wood processing industry, with special emphasis on hardwood sawmills.
- provide leadership in demonstration and training of new technology for forest products producers, including dry kiln operations, inventory controls, market analysis, quality control and management.
- collaborate as a team member with an interdisciplinary team to provide technical and management services for developing business enterprises in Tennessee.
- develop and provide in-service training and teaching materials to county Extension faculty to support the forest products industry.
- provide support and assistance for the 4-H educational program.
- develop and maintain a working relationship with forest industry managers, foresters, loggers, and state forestry leaders.
- develop and implement programs emphasizing value-added and alternative opportunities with forest products businesses.
- participate in the development and implementation of programs associated with the Tennessee Forest Products Center and the Tennessee Value-Added Agricultural Development Center.
- conduct a program that meets the needs of all eligible participants regardless of race, color, age, national origin, sex or disability.

Qualifications: Candidates should have a record of scholarly achievement, relevant professional experience, and demonstrated abilities to develop and implement forest products based Extension programs. A Ph.D. in forest products/wood science or agricultural engineering with at least one degree in forestry or related natural resources discipline or a M.S. degree in wood products and at least 5 years experience in wood products manufacturing, management, or marketing.

Time Frame: This position is vacant and we seek to fill it as soon as practical; initial screening of applicants will begin August 16 and continue until a suitable candidate is identified; preferred likely starting date January 1, 1997.

To Apply: Application forms and information available from Paul M. Winistorfer, Professor and Director; Tennessee Forest Products Center; Department of Forestry, Wildlife, and Fisheries; P.O. Box 1071; The University of Tennessee; Knoxville, TN 37901-1071. phone 423-974-7126, fax 423-974-4714. The University of Tennessee is an EEO/AA/Title IX/Section 504/ADA employer.

WOOD INDUSTRY TECHNICAL ADVISOR - Department of Forestry, University of Kentucky

The Department of Forestry at the University of Kentucky seeks a highly qualified individual to contribute to a team supporting the hardwood products industry of eastern Kentucky. The mission of the team is to strengthen and build the existing industry of the region. This is accomplished through concentrated programs directed at increased processing efficiency, vertical integration, and new product development. The Department of Forestry is seeking an individual to concentrate on the secondary industry as well as assisting primary industries to integrate value-added processing. Specific programs will include one-on-one contact with client companies for evaluation and suggested improvements. More general technical training programs will be provided in areas such as rough mill operation; millwork production; panel processing; production and scheduling; finishing operations; CNC equipment and operation; marketing and sales; and OSHA/EPA regulations and compliance. This position will be located at Quicksand, KY and is supported by the University of Kentucky Wood Utilization Center, which contains a 12,000 bd ft dry kiln and a 14,000 square foot teaching laboratory containing industrial wood working equipment suitable for training programs and applied research. The successful candidate will be expected to contribute in a team effort to address all aspects of primary and secondary hardwood utilization,

manufacturing and management. The successful candidate will have a bachelor's degree in an area suitable for the required programs and/or three years' experience in the primary or secondary hardwood industries. Entrepreneurial experience, as well as additional education, will be strongly favored.

To apply, send letter of application, resume and three letters of reference by October 31st, 1996 or until a suitable candidate is found to: Mr. Douglas J. McLaren, Department of Forestry, University of Kentucky, Lexington, KY 40546-0073. Phone (606) 257-2703 The University of Kentucky is an AA/EEO employer and is committed to increasing the diversity of its faculty, staff, and student body. Individuals from under-represented groups are encouraged to apply.

ASSISTANTSHIP IN PROCESS CONTROL IN LUMBER DRYING - UNIVERSITY OF GEORGIA, WARNELL SCHOOL OF FOREST RESOURCES

A 2 year stipend is available for a qualified applicant. The applicant should have a minimum GPA of 3.0 of 4.0, a minimum GRE of 1000 (math and verbal) for MS, 1200 for Ph.D.. The stipend is \$10,692US per year for M.S. and \$11,400US per year for Ph.D. Please send a resume with transcripts and 3 references to: Dr. Timothy D. Faust, Associate Professor, University of Georgia, Warnell School of Forest Resources, Athens, GA 30602 e-mail: tfaust@uga.cc.uga.edu Fax: 706-542-8356

FELLOWSHIP OPPORTUNITY FOR GRADUATE STUDY - VIRGINIA TECH

Virginia Tech is currently conducting a national search for a highly qualified student who wishes to pursue the doctoral degree and study in the area of Wood-Based Composites Engineering. Applications are being accepted for a 3-year fellowship, funded at \$17,000 per year plus a tuition waiver and \$1,000 in expenses. This is a prestigious award granted by the United States Department of Agriculture as part of the National Needs Graduate Fellowship Program.

Graduate Program: The fellow will pursue a Ph.D. in the Department of Wood Science and Forest Products at Virginia Polytechnic Institute and State University in Blacksburg, Virginia. The Department is internationally recognized as a leader in graduate education and research in Wood Science. The Department has excellent research facilities, including a wood-based composites pilot plant, materials testing laboratory, microtechniques laboratory, and thermal analysis laboratory. The Fellowship Program is for study in fundamental aspects of wood-based composites engineering, with specialization in: adhesion science, materials science, structural engineering, or process engineering. A program of study will include interdisciplinary course work in: wood science, civil engineering, mechanical engineering, chemistry, materials science, or chemical engineering, to supplement the student's chosen research topic.

Qualifications: Qualified students must be U.S. citizens and possess a strong technical background in the basic sciences and engineering, with appropriate Bachelors and Masters degrees. The academic background of the applicant should include study in one or more of the following disciplines: wood science, physical chemistry, engineering, or materials science. Applicants must have a strong interest in utilization of natural resources, polymer materials, materials processing, or building construction.

Availability: The position is available immediately. The recipient will be expected to begin a graduate program in January, 1997. The deadline for applications is November 1, 1996.

Contact: Send resume, transcripts, and names of three references (include address and telephone numbers) to: Dr. Joseph Loferski, Project Director Department of Wood Science and Forest Products Brooks Forest Products Center Virginia Tech Blacksburg, Virginia 24061-0503. For further information call: 540/231-4405 or email: jloferski@vt.edu.

ASSISTANT PROFESSOR - UNIVERSITY OF SAO PAULO, DEPARTMENT OF FOREST SCIENCE

The Department of Forest Science, University of Sao Paulo, is accepting applications for an Assistant Professor position, with emphasis in Wood Science and Forest Products.

Applications : From June 22, 1996 to September 22, 1996.

Functions: Teaching (undergraduate and graduate level) and research related to Wood Technology (wood based panels, sawing, machining, gluing, finishing). Full time dedication.

Requirements: Candidates should have Ph.D. degree, former experience, ability to speak and to write in Portuguese (Spanish could be useful) and ability to work in a team environment.

Necessary documents: curriculum vitae, ID, copy of Ph.D. diplom.

Program for selection :

- Mechanical wood processing
- Wood based panels
- Gluing and finishing
- Wood basic properties

Selection steps: curriculum vitae evaluation, oral and written test, personal interview.

Information: Secretary, Department of Forest Science Av. Padua Dias, 11 P.O.Box 09 13418-900 Piracicaba - SP - Brazil Fone 55.19.433-615 Fax 55.19.433-6081 e-mail = secr_lcf@floresta.esalq.usp.br Find more about the Department of Forest Science by visiting our page <http://w3silvi.esalq.usp.br>

FACULTY AND POSTDOCTORAL POSITIONS - THE UNIVERSITY OF BRITISH COLUMBIA, DEPARTMENT OF WOOD SCIENCE, CENTRE FOR ADVANCED WOOD PROCESSING

The Faculty of Forestry and Faculty of Applied Science at The University of British Columbia have established a new co-op Wood Products Processing degree program and a new national Centre for Advanced Wood Processing (CWAP). UBC's new Co-op Wood Products Processing degree program will prepare people for careers in Canada's secondary wood products, furniture, lumber panel product and engineered wood products manufacturing industries. The CAWP maintains an advanced wood products processing laboratory to support the education programs and delivers continuing education, extension and applied R&D to the secondary wood products industry. Construction of the new \$7 million Centre has just begun.

Three (3) tenure-track Faculty or Lecturer appointments are available. Candidates with a background and experience in the following fields are encouraged to apply:

- Computer-Aided Design and Manufacturing
- Business Management and Information Systems
- Manufacturing Optimization and Plant design
- Wood Cutting and Tooling Technology
- Wood Adhesives, Finishes and Laminates
- Wood Processing Equipment Design
- Wood Products Design and Manufacturing
- Secondary Wood Manufacturing Technology

Applicants with state-of-the-art wood products manufacturing experience and an interest in teaching are encouraged to apply for part- or full-time Lecturer position (Doctorate not required). Applicants with a Doctorate will be given preference for tenure-track Faculty appointments at the Assistant or Associate Professor level. Opportunities exist for joint appointments with the Faculty of Applied Science and the Centre for Advanced Wood Processing. Salary will be commensurate with qualifications. All appointments are subject to final

approval. UBC welcomes all qualified applicants, especially women, aboriginal people, visible minorities and persons with disabilities.

Applications containing a Curriculum Vitae and the names of at least three references should be mailed or faxed before December 1, 1996 to: Dr. J. David Barrett, Head, Department of Wood Science, The University of British Columbia, 2357 Main Mall, Vancouver, BC, V6T 1Z4, Canada fax: (604) 822-9104

Post-Doctoral Positions Available

The Centre for Advanced Wood Processing has been established in the Faculty of Forestry at the University of British Columbia to conduct extension, continuing education and applied research programs for the Canadian wood products industry. Interdisciplinary in design, the Centre will work closely with Faculty associates from the Academic Departments of Wood Science, Mechanical Engineering, and Electrical Engineering.

(1) International Marketing, Quality Control and Product Design

The Centre for Advanced Wood Processing is seeking applications for a post doctoral specialist to conduct research in international consumer preferences, product design and certification of quality control procedures related to the manufacturing and marketing of British Columbia value-added forest products. The candidates should have a Ph.D. in Forest Products Marketing or Manufacturing. Strong communication skills and the ability to work in a team environment are essential. Desirable qualifications include an understanding and interest in value-added manufacturing, quality control practices, international markets for value-added forest products, and ISO systems of manufacturing certification. Term: 1 year w/ possibility of renewal

(2) Wood Products Manufacturing Optimization and Control

The Centre for Advanced Wood processing has a post doctoral position open for a specialist to conduct research in sawing optimization systems for primary and secondary wood products manufacturing. The incumbent will work closely with the Canadian wood products industry, serving as project leader for several projects currently underway to develop production optimization and simulation systems. Candidates should have a Ph.D., a strong quantitative and programming skills, and a degree or relevant experience in Wood Products Manufacturing. Strong communication skills and the ability to work in a team environment are essential. Term: 1 year w/ possibility of renewal Applicants should submit a curriculum vitae and list of three references to: Dr. Thomas C. Maness, Director, Centre for Advanced Wood Processing, Department of Wood Science, Faculty of Forestry, University of British Columbia, Vancouver, BC, V6T 1Z4, Canada Inquiries may be made by e-mail to maness@unixg.ubc.ca.

Correction: Perhaps you noticed a small but rather significant omission from the Committee Sign up Sheet which appeared as Page 12 of the May/June Newsletter. I neglected to include a place for you to write your name and address!! Hopefully you all are sharper than I (not an unreasonable assumption).

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Last updated: 6/13/97

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