

MEMBER HANDBOOK Contents

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Revised Jun 2003



About the SOCIETY OF WOOD **SWST** SCIENCE AND TECHNOLOGY

Wood science originated in ancient Greece with the philosopher and writer Theophrastus (327-287 BC) who first wrote about the nature of wood and its uses.¹ Wood Science and Technology as a discrete academic and professional discipline appeared among the earliest North American forestry education programs in the 1890s. The U.S. Federal government made considerable research investments in wood science through two world wars which laid the foundation for post war expansion in interest and attention on wood as a material. Wood science education programs multiplied in the late 1940s and early 1950s, but there was no curricular consistency or common foundation in those programs.

The Society of American Foresters first served as a forum and professional home for wood scientists. However, as interest and the number of new wood scientists grew, a new home was needed. The Forest Products Research Society was formed in 1947 and began to serve as the new home for wood-use professionals. The FPRS-Education Committee, established in 1950, played a major role in the definition and direction of education in wood science and technology and sowed the seeds for the origin of SWST.² By 1957, a nucleus of eminent wood scientists and wood technologists began discussing ways to meet their needs for a professional identity and professional society.

In 1958, SWST was born as a professional society, separate from

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1. Tsoumis, G. 1995. The beginning of wood science, *J. Inst. Wood Science*, 13(6):535-538.
 2. Fleischer, H.O. and A.N. Foulger, 1983. "A brief history of the Society of Wood Science and Technology, The first 25 years" SWST, Madison, WI.

FPRS, but closely linked through organization and membership. Through the years SWST has matured into a well-respected international society with the following objectives:

- Developing and maintaining the unique body of knowledge distinctive to wood science and technology.
- Encouraging the communication and use of this knowledge
- Encouraging policies and procedures which assure the wise use of wood and wood-based products
- Encouraging high standards for professional performance of wood scientists and technologists and acting as the professional organization for individuals who meet these standards
- Fostering educational programs at all levels of Wood Science and Technology and furthering the quality of such programs

VISION: Be the leader in advancing the profession of wood science and technology.

MISSION: Provide service to SWST members; develop, maintain, and promulgate the educational, scientific, and ethical standards that define the profession; advocate the socially responsible production and use of wood and wood-based products.

CODE OF ETHICS

These canons are adopted by the Society of Wood Science and Technology to guide the professional conduct of members of the Society in their relations with the public, their employers, and each other. Compliance with these canons helps to assure just and honorable professional and human relationships, mutual confidence and respect, and competent service to society. (Adopted June 1993)

CANONS

1. Members will strive to protect the safety, health and welfare of the public in the performance of professional assignments.
2. Members will inform the public truthfully about wood, the

wood-based industries, and the profession of wood technology, and will discourage misrepresentation.

3. Members will base public statements, including those made as an expert witness, on knowledge or honest opinion and will indicate sources of information when necessary. Furthermore, the member will indicate on whose behalf the statements are made.
4. Members will support the conservative use of natural resources and will strive for increased efficiency within the industry.
5. Members must avoid conflicts of interest and will inform an employer of possible conflicts with vendors, contractors or consulting clients, and will avoid double payment for the same service.
6. Members will not disclose the business affairs or processes of present or past employers without proper consent.
7. Members will perform only those services for which they are qualified. Members will engage, or advise employers to engage, other experts and specialists in Wood Science and Technology or related fields whenever the employer's interest would be best served by such action, and members will work cooperatively with other professionals.
8. Members who become aware of activities which deviate from accepted professional standards must advise the appropriate people of the consequences of such deviation.
9. Members will support the profession by sharing information and experiences with other members through attendance at technical meetings, publication, participation in SWST affairs and cooperation with educators.
10. Members will properly assign credit for original work and will give credit for the methods, ideas or assistance obtained from others.
11. Members in competition for supplying services will encourage the prospective employer to base selection on comparison of qualifications and negotiation of fee or salary. A member will not

endeavor to supplant another known to have been engaged.

12. Members will not by false statement or dishonest action injure the reputation or professional associations of another members.

HOW THE SOCIETY IS ORGANIZED

Like most professional societies the activities and success of SWST depend on the energy and interests of its members. The Constitution of the Society (see Appendix) proscribes most of the SWST governing structure, supplemented by the Bylaws. In overview, the **Executive Board** is the governing body of SWST, with most member and Society activities flowing out of an extensive set of **Committees**. This is evident in the Organizational Chart which outlines the structure and function of the Society.

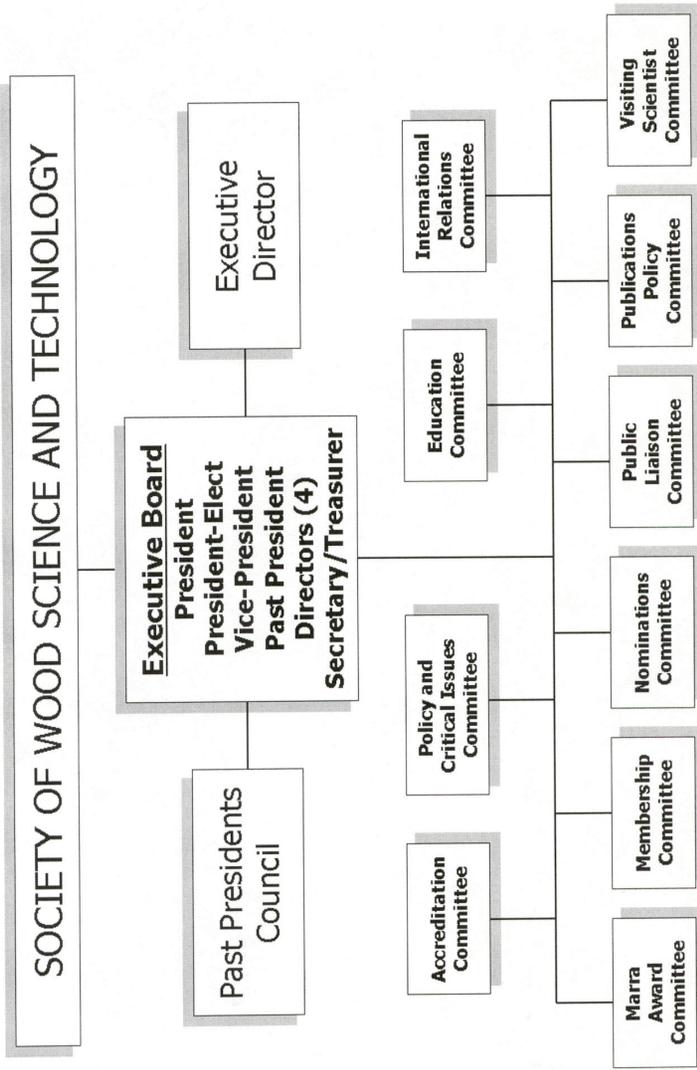
EXECUTIVE BOARD

President, President-elect, Vice President, Past President: The President of SWST is first elected for a one year term as Vice-President, then moves without election through terms as President-elect and President. This structure allows for continuity of leadership and for the President to be able to hit the ground running during his or her term. The Past President remains an active member of the Executive Board to further ensure continuity and follow-up with ongoing projects. The VP is responsible for filling committee assignments and the President-elect is tasked with the Technical Session of the Annual Meeting. VP takes lead, with President and President-Elect, in organizing the Monday Tutorial/Workshop. A list of all the presidents of SWST and their terms is in the Appendix.

Secretary-Treasurer: Is appointed by the Executive Board and is responsible for collecting dues, maintaining the books, and all necessary clerical and administrative functions of the Society. In recent years, the Executive Director has been appointed Secretary-Treasurer.

Executive Director: An appointed Executive Director serves the Board by maintaining the business function of the Society and the Society Headquarters in Madison, Wisconsin. The Executive Director also has "other duties as assigned" by the Executive Board.

Directors: Four members are elected as Directors for two year terms each. Their terms are staggered so that two new Directors are elected



annually. Each Director is assigned responsibility to monitor and liaison with selected committees or Society functions.

COMMITTEES

Accreditation: This committee coordinates and conducts reviews of University programs who desire SWST accreditation. They review and comment on accreditation actions and recommend changes in SWST accreditation standards and procedures to the Executive Board. The *Standards and Procedures for Accreditation* are published by the Society and are available from the Executive Director.

Education: Charged with enhancing the education of members and encouraging quality student education in Wood Science and Technology. This Committee promotes the profession to new students, develops teaching materials and solicits state-of-the-art papers for *Wood and Fiber Science*. The group sponsors and runs a Student Poster Competition at the Annual Meeting which encourages better student participation and recognizes quality student research.

International Relations: Helps improve the level and quality of services that the Society provides international members and promotes the distribution of Society publications to international audiences that do not have normal access to SWST.

Marra Award: Selects the winners of the annual George Marra award to recognize excellence in research and writing. Members serve one year and represent government, private sector and academe.

Membership: Helps increase membership in the Society, reviews applications when needed and periodically surveys members about the quality and extent of services that SWST provides.

Nominations: Nominates Vice-president and Director candidates for annual election.

Past Presidents Council: Comprised of all of the living past presidents of the Society. They provide advice and counsel to the Executive Board and annually recommend candidates for the SWST Distinguished Service Award

Policy and Critical Issues: This committee looks for emerging issues as well as concerns of the Society, the profession and members. They identify and analyze issues and recommend policy statements to the Executive Board. The committee prepares position statements with regard to world-wide academic, governmental, industrial and/or public issues which may have significant effects on the use of wood as a material. An example of their work is the SWST white paper on *Environmental Implications of the Use of Wood-based Products*. A copy is available from the Executive Director.

Public Liaison: Maintains communications between cooperating organizations and members, promotes public awareness of wood science and technology, and promotes benefits and purposes of SWST.

Publications Policy: Advises Executive Board on policy matters related to all Society publications

Visiting Scientist: Promotes and manages the Society Visiting Scientist Program which financially helps scientists visit institutions and organizations around the world. Administers the International Professional Visiting Scientist Program.



MEMBERSHIP

The basic requirement for membership is professional competence in the field of Wood Science and Technology. That can be demonstrated in various ways as explained in the Constitution and Bylaws found in the Appendix to this Handbook.

There are three basic categories of membership in the Society.

A **Member** may be admitted by virtue of their educational background or by specialized experience. A minimum requirement is the Bachelors degree from an accredited college or University.

An **Affiliate Member** may be admitted if they have the credentials for membership but reside in a “qualifying country” where the cost of annual membership is prohibitive. The International Relations Committee periodically defines “qualifying country.” The Executive Director has that list.

Student Members are full-time undergraduate or graduate students in a program that will allow them to advance to membership upon graduation.

Annual Dues are required of all Members and Student Members:

Members	\$75.00 US	[\$40.00 if retired]
Students	\$25.00 US	

Membership applications may be obtained from the Executive Director or downloaded from the Society web site.

MEMBER SERVICES

ACCREDITATION

To foster excellence in higher education in wood science and technology, the Society serves as a professional accreditation organization for educational programs leading to a BS degree at institutions in the United States. Accredited institutions undergo a rigorous self-study and site visit by an Examining Committee at least once every decade, and must submit an interim update five years after accreditation. More information and the Society's standards for accreditation are found in "Standards and Procedures for Accreditation" (rev 1997) available from the Executive Director.

SWST began accrediting schools for their Wood Science and Technology programs in 1984. The following schools are accredited.

University Program	Accreditation Dates	
	Most Recent	Expiration
Mississippi State University, Mississippi State	1997	2007
North Carolina State University, Raleigh	1994	2004
Oregon State University, Corvallis	1990	2011
Pennsylvania State University, University Park	1992	2002
University of Idaho, Moscow	1996	2004
University of Maine, Orono	1993	2003
University of Minnesota, St. Paul	1996	2006
Virginia Tech, Blacksburg	1995	2005
West Virginia University, Morgantown	1999	2009

AWARDS

Distinguished Service Award: This is the premier award given by the Society recognizing individuals for their distinguished service to the profession. The recipient is not required to be a Member but will have made unusually noteworthy contributions in any educational, technological, scientific or professional area related to Wood Science and Technology. This award may be given each year at the Annual Meeting and consists of a plaque, life membership in SWST, and an opportunity to address the Members. The criteria for selection and summary of procedures are found in the Appendix.

Past Recipients of the SWST Distinguished Service Award include:

1966	- Harry Tiemann	1989	- Robert L. Youngs
1980	- Jim Bethel	1990	- Wilfred A. Cote
1981	- George Garratt	1991	- Charles Berolzheimer
1982	- Alexis Panshin	1992	- Stephen B. Preston
1983	- Herbert McKean	1993	- Robert W. Kennedy
	- Alfred Stamm	1994	- William T. Nearn
	- Fred Wangaard	1995	- Arno P. Schniewind
	- Herbert Fleischer	1996	- E. Allen McGinnes
	- Frank Kaufert	1997	- Warren S. Thompson
	- Fred Dickinson	1998	- Everett L. Ellis
1984	- George Marra		- Steven A. Sinclair (Posthumously)
1985	- John Haygreen	1999	- Richard J. Thomas
1986	- Christen Skaar	2000	- Otto Suchsland
1987	- Peter Koch	2001	- Thomas M. Maloney
1988	- Stanley Suddarth	2002	- Frank C. Beall
		2003	- James L. Bowyer, Elvin Choong

George Marra Award: George Marra was a prominent member of the wood science community for many years and was President of the Society at his untimely death in 1983. George was a champion of quality in writing and this prestigious annual award recognizes excellence in research and writing within those papers published in

each volume of *Wood and Fiber Science*. A plaque and \$1000 are given to the winners at the Annual Meeting. Guidelines and procedures for this award are found in the Appendix.

Past George Marra Award winners are:

- 1986 Kirk Nadler, Elvin Choong, David Wetzel; 17(3)
 1987 Michael Thurmond, Frank Woeste, David Green; 18(1)
 1988 Leslie Groom and Anton Polensek; 19(3)
 1989 Terrence E. Conners and Thomas E. McLain; 20(2)
 1990 Philip Humphrey and Larry Ostman; 21(3) First Place
 Irving Sachs, Gary Myers, and Gary Leatham; 21(4)
 Second Place
 1991 M. P. Wolcott, F. A. Kamke, and D. A. Dillard; 22(4)
 First Place
 William T. Simpson and Yi-Fu Tan; 22(1) Second Place
 1992 David W. Green and David E. Kretschmann; 23(3) First Place
 Steven E. Taylor and Donald A. Bender; 23(4) Second Place
 Michael L. Hoag and Robert L. Krahmer; 23(1) Honorable
 Mention
 1993 David E. Kretschmann and B. Alan Bendtsen; 24(2) First Place
 Charles B. Vick and Thomas E. Kuster; 24(1) Second Place
 Kelly LaFave and Rafik Y. Itani; 24(1) Honorable Mention
 1994 Chungping Dai and Paul Steiner; 25(4) First Place
 Jerrold Winandy and Jeffrey Morrell; 25(3) Second Place
 David Ritter, Robert Kroll, and Roland Gertjeansen; 25(2)
 Honorable Mention
 1995 M.P. Wolcott, F. A. Kamke, and D. A. Dillard; 26(4) First Place
 Paul A. Cooper and Dibyendu N. Roy; 26(3) Second Place
 1996 Charles B. Vick, Klaus Richter, Bryan H. River, and
 Albert R. Fried, Jr.; 27(1) First Place
 Stan T. Lebow and Jeffrey J. Morrell; 27(2) Honorable Mention
 Thomas D. Skaggs and Donald A. Bender; 27(3) Honorable
 Mention
 1997 Laurence Mott, Stephen M. Shaler, and Leslie H. Groom;
 28(4)--First Place
 Greg C. Foliente, Mahendra P. Singh, and J. Daniel Dolan;
 28(1)--Second Place
 Barbara L. Gartner; 28(1)--Honorable Mention
 1998 John W. Stelmokas, Audrey G. Zink, and Joseph R. Loferski;
 29(3)--First Place; Stefan Zauscher and Philip E. Humphrey;
 29(1)--Second Place
 Ying H. Chui and Chun Ni, 29(2)--Honorable Mention

- Dongjin Song and Simon Ellis, 29(4)--Honorable Mention
 1999 Paul Cooper, 30(4) -- First Place; Peter W. Lau and J. Dave
 Barrett,, 30(3) -- Second Place; Yi-ru Chen, Elmer Schmidt, and
 Kurt Olson,, 30(1) -- Honorable Mention
 2000 Jhang, Jian and Perry N. Peralta, Volume 31(4)- -- First Place
 Chowdhury, Mohammed Jahangir and Philip E. Humphrey,
 31(3)--Second Place.
 2001 Jun Zhang and D. Pascal Kamdem, Volume 32(3)--First Place
 Susan E. Anagnost, Richard E. Mark, Robert B. Hanna, Volume
 32(1)--Second Place
 2002 Chunping Dai, Volume 33(3)--First Place
 Taghi Tabarsa and Ying Hei Chui, Volume 33(2)--Second Place
 2003 Lech Muszynski, Fenghu Wang, and Stephen Shaler, Volume
 34(2)--First Place
 Elemer M. Lang, Laszlo Bejo, Jozsef Szalai, Zsolt Kovacs and R.
 Bruce Anderson, Volume 34(2)--Second Place
 Elemer M. Lang and Tamas Fodor, Volume 3(2)--Honorable
 Mention

Student Poster Competition Award: One of the ways that the Society nurtures the next generation of wood scientists and technologists is the Student Poster Competition. Aimed at promoting and recognizing excellence in research and communication, this competition encourages Student Members to contribute posters to a technical session at the Annual Meeting. All participants receive complimentary registration to the Annual Meeting. The award consists of plaques and \$250 for First Place, and \$125 for Second Place.

Past winners of this competition include:

- 1995 First Place--Audimar P. Bangi, Clemson University
 Second Place--Hung Chen, University of Minnesota
 1996 First Place--Robert G. Schmidt, Virginia Tech
 Second Place--Laura K. Brantley, Washington State University
 1997 First Place--Stefan Zauscher, University of Wisconsin, Madison
 Second Place--Anthony A.R. Lukindo, University of Minnesota
 1998 First Place--Milan Sernek, University of Ljubljana, Slovenia
 Second Place--Chris K. Andrews, University of Tennessee
 1999 First Place- Alexander J. Salenikovich, Virginia Tech
 Second Place-Fatima Moore Shmulsky, Mississippi State

Univ.

- 2000 First Place - Shane O'Neill, University of Maine
 Second Place- Sang Yeob Lee, University of Idaho
 Honorable Mention- Marie P. Laborie, Virginia Tech
 Honorable Mention- Jerone M. Gagliano, Virginia Tech
 Honorable Mention- Nicole Robitaille-Brown, Virginia Tech
- 2001 First Place - Milan Sernek, Virginia Tech
 Second Place - Thaddeus J. Ryan, Washington State Univ
- 2002 First Place -Iris Vazquez-Cooz, SUNY-ESF
 Second Place - Patrick Rappold, SUNY-ESF

ANNUAL MEETING

Each year the Members of the Society gather to conduct business, recognize members, and explore ways that the Members and the Society can be more successful and interact personally and professionally. The meeting is usually held immediately before, and in the same location as the Forest Products Society (FPS) Annual Meeting in late June. An Annual Meeting program on a timely and important topic is conducted on Sunday morning, followed by a presentation of Society awards, and a business meeting at lunch. A Technical Session is held in the afternoon in cooperation with the Fundamental Disciplines Division of FPS. A joint FPS-SWST reception concludes the day. A Tutorial/Workshop that covers fundamental disciplines in more detail has also been added for Monday morning.

Recent Annual Meetings and Program Topics include:

- 1992 Charleston, SC *"An International Perspective of Wood Science and Technology and Issues Affecting Wood Utilization"*
- 1993 Clearwater Beach, FL *"The Environment Movement and Fiscal Influences on Wood Products Research"*
- 1994 Portland, ME *"Sustainable Forest Products"*
- 1995 Portland, OR *"Wood and Wood Products in the 21st Century"*

- 1996 Minneapolis, MN *"Current Trends and Critical Issues Affecting the Forest Products Industry"*
- 1997 Vancouver, BC *"Distance Learning and Technology Transfer for the 21st Century"*
- 1998 Merida, Mexico *"Wood Products Industry in the 21st Century: Knowledge, Technology, and Workforce Training Needs"*
- 1999 Boise, ID "Roles of Wood Science and Technology in Forest Sustainability"
- 2000 Lake Tahoe, NV "Material Changes in Residential Construction"
- 2001 Baltimore, MD "Forest Products Education: Kids and Teachers"
- 2002 Madison, WI "The State of the Profession: Reviewing our Accomplishments, Establishing our Breadth, Outlining our Future"
- 2003 Bellevue, WA "Wood Science and Technology in the Biobased Economy"
- Monday Tutorial/Workshop Topics and Dates
- 2003 Bellevue, WA "Wood Characterization: Principles and Applications"

COMMUNICATIONS

Publications:

- C Bi-monthly **Member newsletter** is sent to all current members and contains news of the Society, employment opportunities, features of interest to members and announcements.
- C **Career and educational information** related to wood science and technology is available free or at a nominal cost. See specific details in the Appendix.
- C **Proceedings** of Annual or Special Meetings are published to widely disseminate information to members, libraries, and others around the world.
- C **Critical Issues and Position Papers** are developed by the Critical Issues Committee and published by the Society to assist academic, industrial and government leaders. SWST position statements are intended to provide science-based information to policy makers and the public at the national level, and to articulate reasoned opinions of the professional wood science and technology community on national and international issues of interest and expertise.
Those currently available from the Executive Director include:

--*Gaining International Competitive Edge: A Need for Increased Research in Forest Products*, 1990

--*Wood Science and Technology: A Profession at a Critical Point in History*, 1992.

--*Environmental Implications of the Use of Wood-based Products*, 1997

--*Issue Brief 1: SWST Position on the Environmental Implications for the Use of Wood-Based Products*, 1999

- C **Information Sources for Members** includes:

--*Annual Membership Directory* distributed to all members
 --*Committee Handbook* distributed to all committee members and Society leaders

- Member Handbook distributed to all members.

- C Society of Wood Science and Technology **Web Page**
 --point your browser to **www.swst.org** for the latest information about the Society and current activities.

WOOD AND FIBER SCIENCE

Wood and Fiber Science is the official publication of the Society and publishes papers with both professional and technical content. Original papers of professional concern, or based on research dealing with the science, processing, and manufacture of wood and composite products of wood or wood fiber origin are considered for publication. All papers are peer-reviewed and must be unpublished research not offered for publication elsewhere.

Wood and Fiber Science is published quarterly in January, April, July and October. All dues-paying members receive a copy. Required format for submitted manuscripts and other information about publishing is in the Appendix.

VISITING SCIENTIST PROGRAM

The SWST Visiting Scientist Program is designed to facilitate interchange between outstanding specialists in wood science or technology and interested educational, industrial, or governmental organizations. Many of the foremost wood scientists in the Society have participated in the Program. Their presentations have consistently won praise from the hosts, and the visitors have found their time to be stimulating and enjoyable.

In addition to providing a forum for discussions on wood, the Society expects the Program to create interest in careers in wood science and technology and to assist in improving existing educational programs in this area. We believe that bringing people together to discuss these problems benefits both the scientists and the participants.

Any member of the Society in good standing is eligible to be a Visiting Scientist. If you are not enrolled in this program please contact the Executive Director. Visiting Scientist Program application packets with the names and speaking topics of visitors are mailed to about 60 potential host institutions in the fall of each year.

The format of visits is arranged between the host institution and the visiting scientist. Generally, a visit is scheduled for one or two days duration. During this time, the visitor gives a number of lectures or seminars and has discussions with individuals. The sessions may be highly technical or designed to acquaint broader non-specialist audiences with work in the field.

The Society places no restrictions on the visit, but does have two requirements. One is that the Society be acknowledged as a sponsor in any announcements or bulletins. The second is that the host institution and the scientist submit a brief report on the visit to the Visiting Scientist Committee.

SWST pays transportation costs of the scientist to and from the host institution. The host is responsible for all of the local costs. As a part of the request, the host institution is asked to provide some nominal direct contribution to the program. However, in many cases, the visiting scientist's organization has covered the entire cost of the visit.

INTERNATIONAL PROFESSIONAL VISITATION GRANTS

The Society provides international travel grants for two members each calendar year. These grants are to enhance the members' international perspective and professional growth as well as to establish links with scientists, technologists, and engineers from other countries that are so vital to the success of SWST in the future. Successful candidates also bring colleagues from their home country into the networks they establish.

Amount: The amount provided under each grant is decided by the Executive Board and is generally in excess of \$1000.

Qualifications: The applicant must be a SWST voting member in good standing for at least the past three years. Preference will be given to applicants with limited international experience.

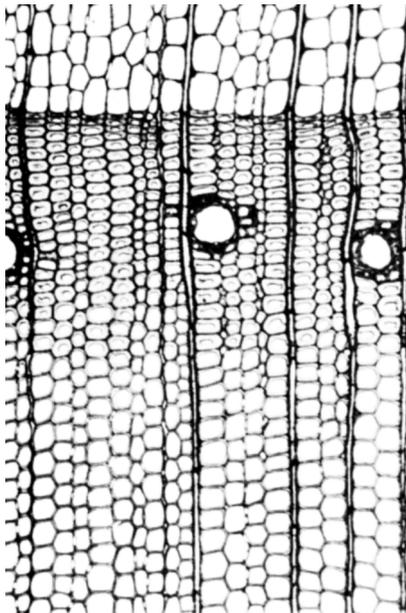
Requirements: Each successful member is to visit foreign laboratories, industrial firms, and academic institutions as outlined in their proposal. The visits are to be from 2-4 weeks. At the conclusion of the trip, a report is to be filed with SWST noting the visits, addresses of all contacted, and information obtained. The contacts are to be publicized for the use of other SWST members.

Proposals:

- Proposals are to be submitted to the SWST Executive Director, SWST, One Gifford Pinchot Drive, Madison, WI 53705, by **January 15** of each year.
- Proposals are to include an itinerary which lists in detail places and people to visit and how these visits will enhance the proposer's professional career and SWST.
- Specific mention has to be made on what is expected to be learned at each visit and how this information will be shared with the SWST membership.

- Further, plans must be submitted on how to foster the new network of scientific and technical exchange.
- The applicant's resume must be part of the proposal as well as a proposed budget.

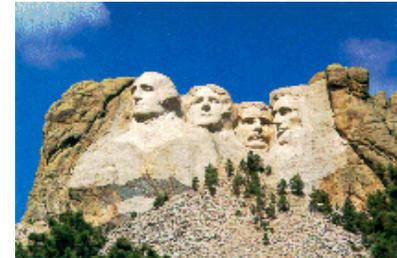
Time Requirements: The visits are to take place within 18 months of the time the awards are given. The awards will be announced at the Annual Meeting of SWST held in June.



(Panshin A.J. and de Zeeuw, C. 1980. Textbook of Wood Technology. 4th Ed. McGraw-Hill Book Company, New York, NY)

APPENDIX

SWST PRESIDENTS



1958-59 James S. Bethel	1981-82 Richard J. Thomas
1959-60 Stephen B. Preston	1982-83 Warren S. Thompson
1960-61 James S. Bethel	1983 George G. Marra
1961-62 Arthur F. Muschler	1983-84 Craig E. Schuler
1962-63 Robert L. Youngs	1984-85 Craig E. Schuler
1963-64 Stephen B. Preston	1985-86 Fred W. Taylor
1964-65 Fred F. Wangaard	1986-87 E. Allan McGinnes, Jr.
1965-66 Eric L. Ellwood	1987-88 James L. Bowyer
1966-67 Robert J. Hoyle, Jr.	1988-89 J.D. Wellons
1967-68 William T. Nearn	1989-90 Donald G. Arganbright
1968-69 Ben A. Jayne	1990-91 James B. Wilson
1969-70 John G. Haygreen	1991-92 Frank C. Beall
1970-71 Fred L. Brown	1992-93 A. William Boehner
1971-72 Gilbert L. Comstock	1993-94 Paul Blankenhorn
1972-73 Robert M. Kellogg	1994-95 Howard N. Rosen
1973-74 Arno P. Schniewind	1995-96 Geza Ifju
1974-75 Albert N. Foulger	1996-97 Duane Lyon
1975-76 Eric A. Anderson	1997-98 Frederick A. Kamke
1976-77 Thomas M. Maloney	1998-99 J. David Barrett
1977-78 Erwin L. Schaffer	1999-00 Thomas E. McLain
1978-79 Robert W. Erickson	2000-01 W. Ramsay Smith
1979-80 John H. Brown	2001-02 H. Michael Barnes
1980-81 Helmuth Resch	2002-03 Robert W. Rice

DISTINGUISHED SERVICE AWARD: CRITERIA AND

PROCEDURES

1. At the beginning of each calendar year, nominations are sought by announcement in Newsletter, including the criteria and deadlines for nomination.
2. Nominees do not need to be SWST members. However, the petition for nomination must be endorsed by 10 SWST members in good standing. Nomination must be accompanied by documentation of the individual's contributions to the profession and a biosketch.
3. The Immediate Past President serves as chair of the screening committee (five most recent past presidents) to verify that the documentation is in order and to make recommendations for approval.
4. The screening committee prepares a ballot of all valid nominations with a summary of contributions and submits it to the Past Presidents Council (all past presidents) for a vote and ranking of nominees.
5. The results from the ballot are forwarded to the President by April 1 and copies of all documentation sent to the Executive Director.
6. The President submits the nomination to the Executive Board for a final decision.
7. The President (or by delegation, the Immediate Past President) informs the candidate of approval for the award and discusses the format of award presentation and remarks by awardee at the annual meeting.
8. At annual meeting during the award ceremonies, the President introduces the Immediate Past President for introduction of awardee and presentation of award.
9. Awardee is permitted 15 minutes for remarks and provides copy of remarks to the Immediate Past President.
10. Immediate Past President provides (a) biosketch/ documentation and (b) final draft of written remarks to W&FS editor for publication. Any further needs of the editor are to be satisfied by direct contact with awardee.

2 Jul 91 (revised 11 mar 93)

SWST Fellow Qualifications and Procedures for Nomination

Purpose: To recognize significant contributions to the wood science and technology profession and service to the Society by SWST members.

SWST Fellow Qualifications: The criteria for election to the distinction of SWST Fellow are significant contributions to the Society of Wood Science and Technology and the wood science and technology profession while being a voting member of SWST.

A. Significant contributions to the Society of Wood Science and Technology include activities that demonstrate continuing commitment and leadership to SWST. Leadership commitment should include some of the following; (1) Past president of SWST; (2) Election to SWST Board of Directors for two terms; or, (3) Numerous terms of service, including committee chair or SWST committees.

B. Significant professional accomplishments include refereed publications and professional presentations that advance wood science and technology at the regional, national, or international area over a minimum of 15 year period.

C. "Promoting the profession!"

An SWST member may be nominated for the membership rank of SWST Fellow by any other SWST voting member. The nomination will be reviewed by the SWST Board of Directors or Past Presidents' Council. Election to the rank of SWST Fellow will require a majority of the SWST Board of Directors to support nomination.

All nominations for the rank of SWST Fellow must be forwarded to the SWST Executive Director and must include a letter of nomination and a resume with SWST and wood science and technology professional contributions by the nominee. All members elected to the membership rank of SWST Fellow will be announced at the annual meeting by the SWST President.

Approved 3/29/03

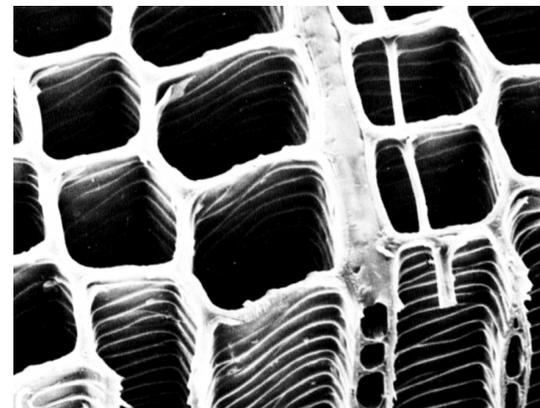
GEORGE MARRA AWARD: CRITERIA AND PROCEDURES

1. Award recognizes excellence in research and writing.
2. Papers considered are those published in the four quarterly issues of one volume of *Wood and Fiber Science*.
3. The first place award consists of the following:
 - a. \$1000 to the author(s) (provided by the Marra family)
 - b. A plaque to the sponsoring firm or institution
 - c. Plaque(s) to the author(s)

The second place award, if warranted, will consist of plaque(s) to the author(s) and a plaque to the sponsoring firm or institution. Up to two other papers may be selected for honorable mention, for which the certificate(s) will be awarded.

4. Presentation of the awards will take place at the annual meeting.
5. The selection committee will be appointed by the President.
6. The selection committee will consist of at least three members, one of which will be designated the chair by the President. One member will be selected from each of the areas of the private sector, industry, government, and academia. A committee member with a paper being considered for an award, must abstain from voting on their paper.
7. Committee responsibilities are as follows:
 - a. Individually "score" all papers in the volume using George Marra's judging criteria.
 - 1) Research quality (30 points)
 - Complexity of the problem
 - Originality
 - Impact on present knowledge of the subject
 - 2) Clarity and completeness of the introductory section (30 points)
 - Objective
 - Introduction
 - General procedures

- 3) Conclusion, recognition and literature (20 points)
 - Conclusion that speaks to objective
 - Recognition of important assistance received
 - Command of literature
- 4) Clarity of exposition; i.e., understandable to those in other specialties (20 points)
 - b. Committee chair will rank papers based on average score obtained from combining each member's scores.
 - c. Each member re-review and rank the four papers with the highest combined scores.
 - d. Combine review and select the first and second (if warranted) place papers and those for honorable mention (if any).
8. The chair will report the selection of the winning paper(s) to the President by 90 days prior to the SWST Annual Meeting.



(Picture from Center for Ultrastructure Studies, State University of New York, College of Environmental Science and Forestry, Syracuse, NY)

CONSTITUTION OF SOCIETY OF WOOD SCIENCE AND TECHNOLOGY

Article I -- Name. The name of this Society shall be Society of Wood Science and Technology.

Article II -- Purpose and Objectives. The purpose of this Society is: (1) Developing and maintaining the unique body of knowledge distinctive to wood science and technology. (2) Encouraging the communication and use of this knowledge. (3) Encouraging policies and procedures which assure the wise use of wood and wood-based products. (4) Encouraging high standards for professional performance of wood scientists and technologists and acting as the professional organization for individuals who meet these standards. (5) Fostering education programs at all levels of wood science and technology and furthering the quality of such programs.

The assets of this Society will be dedicated to the pursuit of science, and will, under dissolution of the Society, be distributed to one or more scientific or professional organizations dedicated to scientific purposes.

Article III -- Membership

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

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

Section 3. A professional member shall: (a) hold a bachelors degree from an SWST-accredited program; or (b) hold a bachelors or higher degree, or the equivalent, from a qualifying college or university within a discipline related to wood science and technology, and have met the education or experience requirements specified in the Bylaws.

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

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

Article IV -- Dues. Dues shall be assessed annually as prescribed by

the bylaws.

Article V -- Officers

Section 1. The governing body shall be an Executive Board consisting of president, president-elect, vice president, secretary-treasurer, past president, and four directors.

Section 2. The Executive Board shall manage the affairs of the Society. It is empowered to promote the objectives of the Society by receiving and administering grants and cooperating with other organizations, agencies, and individuals and to act on all other matters for which specific provision is not made in the constitution and bylaws.

Section 3. The Executive Board is empowered to establish such standing committees as needed to conduct the affairs of the Society.

Section 4. The president is authorized to appoint such ad hoc committees as needed.

Section 5. The secretary-treasurer is empowered to collect dues as specified in the bylaws.

Article VI -- Elections

Section 1. Officers of the Society, with the exception of secretary-treasurer, shall be elected annually in accordance with the provisions of the following sections. The secretary-treasurer shall be appointed annually by the executive board.

Section 2. Nominations for officers shall be made by a presidential appointed committee consisting of three members not holding office. At least two members shall be placed in nomination for each office to be filled by the election.

Section 3. Nominations for officers may also be made by petition signed by 10 voting members.

Section 4. Election will be conducted by letter ballot sent to all voting members at least 30 days prior to the annual meeting. Balloting will be closed 30 days after ballots are mailed.

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

Section 6. The immediate past president shall be a member of the Executive Board without election.

Section 7. The president shall hold office for 1 year and shall not succeed to a second term.

Section 8. The president-elect shall be advanced to president

without election. Similarly, the vice-president shall be advanced to president-elect without election.

Section 9. If the presidency is vacated, the duties of the president shall be performed by the president-elect, who will advance to the presidency in the normal manner at the end of the term as president-elect.

Section 10. If the office of president-elect is vacated, the duties of the president-elect shall be performed by the vice-president, who will advance to the presidency without election at the end of the term as vice-president. A president-elect and a vice-president will be elected at the next election. If the office of vice-president is vacated, it shall remain vacant until the next election, at which time both a president-elect and a vice-president will be elected.

Section 11. If a vacancy occurs in any other office, the Executive Board shall appoint a successor to complete the term of office.

Section 12. The directors shall be elected for 2-year terms and these terms shall be staggered so that two new directors are elected annually.

Section 13. No member shall hold two elective offices simultaneously.

Article VII -- Meetings The Society shall meet annually at such time and place as determined by the Executive Board.

Article VIII -- Amendments

Section 1. Proposed amendments to the constitution may be submitted to the Executive Board by petition of at least 10 percent of the voting members or they may be initiated by the Executive Board.

Section 2. The Executive Board shall distribute the proposed constitutional amendment among the members at least 30 days prior to the beginning of an annual meeting, at which the proposal shall be approved, modified, or disapproved.

Section 3. The amendment as approved at the meeting shall be submitted to the voting members for letter ballot within 30 days after the meeting and shall be adopted if approved by a majority of members voting within 30 days.

Article IX -- Bylaws

Section 1. Such bylaws as are required for the orderly conduct of business may be proposed by any member of the board.

Section 2. Deletions of, or amendments to, existing bylaws may be proposed by any member of the board.

Section 3. Suggestions of bylaw changes made by any voting member shall be considered by the board.

Section 4. Adoption of, or amendments to, bylaws may be ratified by either (1) a majority of members at an annual meeting or of votes cast in a mail ballot, or (2) by a majority of Executive Board members.

Article X -- Fiscal Year and Financial Records

Section 1. The fiscal year shall begin on January 1 and end on December 31.

Section 2. The financial records of the secretary-treasurer shall be audited by a committee appointed by the president prior to each annual meeting and a summary statement thereof shall be submitted to the membership.

Article XI -- Adoption of the Constitution

The constitution of January 1, 1960, was ratified by a majority of the voting members.

The amendments to Article II and XI were ratified on August 16, 1962.

The amendments to Article I were ratified on August 16, 1962.

The addition of Article XII was ratified on October 2, 1967.

The amendments to Article III were ratified on August 31, 1970.

The changes in the Bylaws were ratified on July 11, 1976.

The amendments to Article II were ratified on October 27, 1977.

The changes to the Bylaws were ratified on July 8, 1979.

The amendments to Article II and changes to the Bylaws were ratified on June 20, 1982.

The changes to the Bylaws were ratified on June 15, 1984.

The amendments to Article VI were ratified on June 23, 1991.

The amendment to Article III and changes to the Bylaws were ratified on June 21, 1992.

The changes to the Bylaws were ratified on June 20, 1993.

The amendment to Article III and changes to the Bylaws were ratified on June 23, 1996.

The amendments to Article VI were ratified on June 21, 1998.

The amendments to Article III were ratified on June 24, 2001.

Article XII -- Chapters

Section 1. The establishment of local chapters of the Society is encouraged in order to assist the parent organization to further the purpose and objectives embodied in Article II.

Section 2. Any group of fully accredited members can form a chapter of the Society upon approval of the Executive Board.

Section 3. A chair, elected for 1 year, shall head each chapter. Other officers may be elected if the chapter members so desire.

Section 4. Chapters shall not make statements of policy. This right is reserved for the parent organization. They shall, however, be empowered to recommend policy to the Executive Board.



BYLAWS OF SOCIETY OF WOOD SCIENCE AND TECHNOLOGY

I. The official headquarters of the Society shall be in Madison, Wisconsin.

II. Requirements for Membership

The basic requirement for professional membership is competence in the field of wood science and technology as defined below. An applicant for professional membership should possess a substantial understanding of wood as a material within the following framework:

The biological origin and nature of wood, including macroscopic, microscopic, and submicroscopic anatomy, and relationships between wood and associated micro-organisms; the chemical nature of wood and its components, including cellulose, lignin, and hemicelluloses, and extractive materials; the physical nature of wood, including wood-liquid relationships and the behavior of wood in response to variations in its physical environment; the mechanical nature of wood and its behavior under stress.

General requirements for professional membership are specified in Article III of the Constitution. An application is required for any level of membership. All applications must be examined and approved by the Membership Committee.

Specific requirements may be met in the following alternative ways:

- A. Qualification for professional membership through formal education.
 1. The Bachelor of Science from a SWST-accredited program is sufficient qualification for professional membership. Evidence of the degree must be submitted to the Membership Committee.
 2. Specialization in the field of Wood Science and Technology or Forest Products is defined as a course of study that includes the following elements:

- a. Required background courses (basic sciences) are:
- (1) A foundation in mathematics
 - (2) Chemistry
 - (3) General physics.
 - (4) Biological science.
- b. Requirements in Wood Science are as follows:
- (1) A minimum background in Wood Science, including:
 - (a) Biology of wood. Studies of anatomical structure and identification of wood must be included. Additional courses may be in such areas as forest products pathology, wood microtechnique, etc.
 - (b) Physics and chemistry of wood. This area includes such courses as wood chemistry, wood-fluid relations, and the physical properties of wood.
 - (c) Wood engineering. Studies of the mechanical properties of wood must be included. Additional courses may be in such areas as engineering design of wood structures, engineering principles of wood processing, etc.
 - (2) A meaningful program of study involving at least two or more of the following areas of concentration or specialization:
 - (a) Basic sciences and wood science. Additional studies in basic sciences and/or wood science, including research methods and techniques beyond the requirements specified in II.A.3 and II.A.3.b.
 - (b) Wood technology. Technological applications of wood science; wood processing, including drying, preservation, machining, gluing, and finishing of wood.
 - (c) Pulp and paper technology. The pulping of wood and conversion to fiber products; technology of fibers and paper products.

- (d) Forestry and wood utilization. The production, distribution, and economics of wood and wood-based products.
- (e) Industrial engineering and business, industrial administration, including accounting, quality control, and business management.

B. Qualification for professional membership through substitution for deficiencies in formal courses.

Graduates of accredited colleges or universities whose formal education does not include all of the areas specified under II.A above may receive credit applicable to membership eligibility as follows:

1. If deficiencies exist in one of the wood sciences (biology of wood, physics and chemistry of wood, or wood engineering), credit earned in advanced courses in related general sciences (biology, physics, chemistry, or engineering) may be substituted for such courses. Creditable substitute courses will be only those over and above the foundation courses listed in II.A.3.
2. In areas of specialization (II.A.3.b.(2)), work experience in a responsible technical position may be substituted for education in the corresponding area.
3. The applicant must furnish an official (college) transcript for all coursework to be considered in evaluating the membership application if requested to do so by the Membership Committee.

C. An applicant also may qualify for professional membership provided both of the following requirements are satisfied:

1. A Bachelor's or higher degree in a fundamental or other discipline related to the broad field of wood science and technology (as judged appropriate by the Membership Committee) awarded by a qualified college or university.

2. At least two years of employment related to the wood industry, or in the field of wood science and technology, in a responsible technical position as judged by the Membership Committee.

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 that 20 percent of the total membership.

IV. Requirements for student membership

A student member shall be a undergraduate or graduate student currently enrolled in a qualified college, university, or scientific school.

V. Change of membership status

A. Membership of any classification may be terminated by (1) voluntary resignation or (2) failure to pay dues for the fiscal year.

B. Student membership is automatically terminated upon termination of full-time enrollment in a curriculum.

VI. Standing committees

Committees will be appointed by the Executive Board and are listed in the Committee Handbook.

VII. Dues

Dues shall be set yearly by the Executive Board.

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

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

Affiliate members will be assessed no dues for membership.

VIII. Executive Director

An executive director may be appointed at the discretion of the Executive Board. The executive director shall serve for a length of time and at a salary to be determined by the Executive Board.

The executive director shall be responsible for maintaining the business office at the Society headquarters.

The executive director shall be the registered agent for the Society as described in Section 181.08 of the Wisconsin Nonstock Corporation Law relating to Domestic Nonstock Corporations (1959).

The executive director is authorized to receive funds and sign checks for the expenditure of Society funds as directed by the elected officers of the Society.

IX. Chapters

A. In the formation of a chapter, the membership of the potential chapter shall petition the Executive Board through the executive

director. The

petition shall state the name, geographic area, and approximate membership of the proposed chapter.

B. Meetings

1. At least two meetings shall be held annually.
2. A report of each meeting, including a resume of the proceedings, shall be forwarded by the chair to the executive director.

C. Student members are expected to participate in the activities of the chapter.

D. The chapters are encouraged to interest the local public and prospective college students in the affairs of the Society of Wood Science and Technology.

E. No dues are to be collected by the chapters.

X. Publication

A. *Wood and Fiber Science* is recognized as the official publication of the Society.

B. The Executive Board of the Society shall designate a member of the Society as editor.

C. Responsibility:

1. Ultimate responsibility for operation of *Wood and Fiber Science* shall be with the Executive Board of the Society.
2. The Publication Policy Committee will have authority to act upon suggestions from the members regarding changes in content, format, and style of all Society publications.
3. The Publication Policy Committee will serve in an advisory capacity to the Executive Board concerning questions of editorial and fiscal policy of all Society publications.

Revised in 1962, 1964, June and July 1965, 1966, 1967, 1970, 1977, 1982, 1986, 1991, 1993, 1994, 1996, 2001

WOOD AND FIBER SCIENCE EDITORIAL POLICY AND STYLE REQUIREMENTS

Form of Manuscripts: Submit the manuscript in quadruplicate, double-spaced throughout, and typed with a font having 10 characters per inch. A suggested limit for the text is 5000 word equivalents. SI units should be used. The CBE Style Manual, Fifth Edition; GPO Style Manual and Webster's Third New International Dictionary are useful guides for matters of form, style, and spelling. Sequence of material: Title page, abstract, keywords, text, references, tables, figure legends, and figures.

TITLE PAGE: Include title, each author's name and title, affiliation, and complete mailing address. Provide a condensed running head of no more than 60 letters and spaces.

ABSTRACT: Limit to 3% of length of article. A concise, informative results-type abstract suitable for reproduction in an abstracting journal is required.

KEYWORDS: List beneath abstract those keywords relating to major methods or results of study.

TEXT: Acknowledgments are best made in the introduction or in a separate section between conclusion and references. Make certain each figure and table is referred to, in order, in the text.

REFERENCES: Make all references in text by author and year of publication. For three or more authors, cite the first only and use et al. List all references alphabetically by first author under the heading REFERENCES.

Article: Maness, Thomas C., and W. Stuart Donald. 1994 The effect of log rotation on value recovery in chip and saw sawmills. *Wood Fiber Sci.* 26(4):546-555.

Book: Sinclair, S. 1992. *Forest products marketing*. McGraw Hill, New York, NY. 403 pp.

Chapter: Leatham, G.F., G.C. Myers, T.H. Wegner, and R.A. Blanchette. 1990. Energy savings in biomechanical pulping. Pages 17-25 in T.K. Kirk and H.-M. Chang, eds. *Biotechnology in pulp and paper manufactures, applications, and fundamental investigations*.

Butterworths-Heinemann, Boston, MA.

Internet: Sassus, F., M. Fournier, B. Thibaut. 1995. Longitudinal growth strains and drying shrinkage in tension wood of poplars (*Populus euroamericana* cv 1214) IUFRO XX World Congress, Tampere, Finland.
<http://www.metla.fi/conf/iufro95abs/d5pos13.htm>. (8 June 1998)

For further detail see Youngs, R.L., *Citing On-Line Sources*, *Wood and Fiber Science* 30(3), July 1998.

FOOTNOTES: Avoid use of footnotes where possible. Number consecutively those that are necessary and type on a separate page following references.

EQUATIONS: All equations to be set off from the text must be numbered.

TABLES AND FIGURES. Tables and figures should not exceed 20% of the total length of the paper. The printed page is 145x200 mm. Single column is up to 68 mm. Tables and figures may be printed up to a full page in width. Each table should be on a separate sheet of paper. Figure legends should be typed double spaced on a separate sheet following the tables. Figures must be camera ready. Figure numbers should be marked on the back of the sheet, not next to the figure.

PAGE CHARGES

Articles are accepted for publication on the basis of scientific or technological merit. The publication cost is \$100 per page for members and \$135 for non-members. In cases where an author has no financial support for his work, the Society will consider a grant for publication costs. Such requests must be made when the manuscript is first submitted. Changes in proof will be billed to the author at \$3.00 per line. Folded inserts, envelope inserts, and colored illustrations can be printed only when paid for by the author.

SUBMISSION OF MANUSCRIPTS

Address all manuscripts and correspondence concerning editorial matters to Geza Ifju, SWST Editor, Department of Wood Science and Forest Products, Brooks Forest Products Center, Virginia Tech. Blacksburg, VA 24061-0503. In U.S., use first class mail; from outside

the USA, use air mail.

PUBLICATIONS

Career Information:

Careers in Wood Science and Technology (single copy)	Free
per 100 Copies:	\$56.00
Directory of North American Schools offering programs in Wood Science and Technology (single copy)	Free
Video - "Exploring a Profession in Forest Products" 1992	\$10.00
Teaching Unit No. 1 or 2 (with CD wood blocks, lens)	\$25.00
Teaching Unit No. 1 or 2 (CD only)	\$ 5.00

Publications:

Wood and Fiber Science (to non-members) (quarterly journal)	\$250.00
Back Issues of Wood and Fiber Science (Volumes 1-33) per volume	\$10
Newsletter (bi-monthly, available to members only)	Free

Proceedings:

"Residential Fires and Wood Product Use" 1980, 46 p.	\$7.00
"Process Control in the Forest Products Industry" 1980, 95 p.	\$7.00
"An International Perspective of Wood Science and Technology and Issues Affecting Wood Utilization" 1992, 31 p.	\$10.00
"Environmental Movement and Fiscal Influence on Wood Utilization Policy and Research" 1993, 29 p.	\$10.00
"The Roles of Wood Science and Technology in Forest Sustainability", 1999, 44 p.	\$10.00
"Material Changes in Residential Construction", 2000, 59 p.	\$10.00



"Forest Products Education: Kids and Teachers", 2001, \$10.00
64 p.

"State of the Profession: Reviewing our Accomplishments, \$10.00
Establishing our Breadth, Outlining our Future", 2002,
62 p.

General:

"SWST History 1958 - 1998," by Everett L. Ellis, Ph.D.
Soft Cover: \$10.00
Hard Cover: \$45.00

Issues Brief 1: "SWST Position on the Environmental Implications for Use of Wood-Based Products" (single copy) Free

Also available in single copies:

- *Standards and Procedures for Accreditation*, 1998, 29 p.
Annual Membership Directory, distributed to members only
- *Committee Handbook*, distributed annually to all committee members and Society leaders

To order, please contact the Executive Director at Society Headquarters or order selected publications through the web site at www.swst.org