

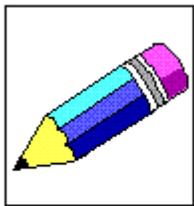



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## May - June 1995 NEWSLETTER

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**Pencil and  
Paper**

It is Annual Meeting time once again, and Vicki wants everyone to know that the coffee service for the morning session was such a success last year that you can count on it being there in Portland, Oregon! Join us on Sunday, June 25 at 8:00 a.m. in the Cascade Ballroom of the Red Lion Hotel/Lloyd Center for "Wood and Wood Products in the 21st Century." We will hear from Norman E. Johnson of Weyerhaeuser, Ronald E. Stewart of the U.S. Forest Service, Washington Office, Robert W. Hagler of Wood Resources International, Limited, and IAN de la Roche of Forintek Canada Corporation.

SWST is cooperating with the Forest Products Society in a new meeting format this year, which means that the afternoon technical session will be conducted in cooperation with the Fundamental Disciplines Technical Interest Groups of FPS. Concurrent technical sessions on "Hardwood Quality", "Current Research in Wood Physics", and "Wood Deterioration" should provide something of interest to a wide variety of meeting participants.

Fundamental disciplines posters, including posters entered in the new SWST Student Poster competition, will also be displayed on Sunday afternoon. A panel of judges will make cash awards for outstanding student posters. The day will conclude with the Host Reception, which SWST will help to finance.

It all sounds pretty good to me, and I hope it does to you, too. Please plan to join us for the Annual Meeting in the great Pacific Northwest. - D.D.S.

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## SOCIETY NEWS

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### CORRECTION

In the March-April 1995 SWST Newsletter, Robert L. Youngs' telephone number was switched with John Siau's. Robert Youngs' full address is: Department of Wood Science and Forest Products, Virginia Tech, Brooks Forest Products Lab, Blacksburg, VA 24061-0503, Phone: (703) 231-7673, Fax: (703) 231-8868, E-Mail: ryoungs@vt.edu. Please remember that Dr. Youngs will assume the duties of Editor of Wood and Fiber Science in July. All new manuscripts should be sent to him.

### 1995 Recipients of the George G. Marra Award of Excellence

First Place: "Fundamental Aspects of Wood Deformation Pertaining to Manufacture of Wood-Based Composites," by Michael P. Wolcott, Frederick A. Kamke, and David A. Dillard (Issue no. 4, pp. 496-511).

Second Place: "Interaction of Wood-Protecting Anions with the Wood Cell Wall," by Paul A. Cooper and Dibyendu N. Roy (Issue no. 3, pp. 323-332).

## 1995 Distinguished Service Award

The recipient of this year's award is Dr. Arno P. Schniewind, Professor Emeritus, University of California at Berkeley. The SWST Board would like to congratulate Dr. Schniewind on his achievement.

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 608-2319347, FAX 608-231-9592, e-mail vicki@aldo.fpl.wisc.edu. SWST is a technical and professional organization for scientists and engineers working in academia, government, consulting, and the forest products industries and is dedicated to providing education and expertise regarding better ways to use and produce wood products. Items for the newsletter may be sent to Doug Stokke, SWST Newsletter Editor, USDA Forest Service, Forestry Sciences Lab, SIU-C, Carbondale, IL 62901-4630.

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### Correspondent's Corner

Our correspondents this month are the SWST standing committee chairs who, along with their committees, do the behind-the-scenes work that helps to keep the society going. Some reports were not available at press time, so those reports will be included in the next edition of the newsletter. Thank you to all of you who volunteer your time to make SWST work. In the reports below, the committees are listed in alphabetical order, with the committee chair shown in parentheses.

### SWST COMMITTEE REPORTS, 1994-1995

**Accreditation (Peter Labosky)** - The committee approved accreditation of the Wood Science program at Virginia Polytechnic Institute and State University. Drs. Fran Wagner and Terry Sellers represented the SWST accreditation team. The committee also approved the five-year Interim Report for West Virginia University and scheduled an SWST accreditation review for the University of Idaho during the week of October 23, 1995.

**Book Review (Pat Pellicane)** - Report unavailable

**Constitution and Bylaws (Poo Chow)** - In response to President Howard N. Rosen's letter of September 8, 1994, the Constitutional Bylaws Committee recommend the following changes in the Constitution and Bylaws of SWST:

1. To eliminate the Associate Member category by deleting Section 4 and making other minor changes in Article III of the Constitution (Page 1).
2. To make similar deletion in Article III of the Bylaws.
3. To make change from "...four years of employment related to the wood industry..." to "...two years of employment related to the wood industry..." in Article II.C.2. of the Bylaws (page 7).

4. Other changes are also made in Article VII of the Bylaws (pages 7 and 8).

We are submitting the revised version with revisions on pages, 1, 7, and 8 of the Constitution and Bylaws of SWST to the Executive Board for approval.

**Critical Issues** (Paul Blankenhorn) - The critical Issues Committee has been working with the SWST Board of Directors for the past four years to implement an Action Plan for the SWST Strategic Plan which was approved March 3, 1993.

### **Operation of the Society**

1. Regularly analyze the duties of the supporting personnel of SWST for the most effective division of labor to assure efficiency and continuity at reasonable costs. Action: First complete analysis of supporting personnel duties was completed in 1993-1994. Updating this analysis will be on an annual basis.
2. Develop contingency plans and/or policies for replacement of supporting personnel. Action: No specific plan has been developed. However, replacement personnel will be selected based on their ability to perform the duties identified in Item 1.
3. Keep a high level of involvement of both the W&FS and Newsletter Editors in the Society by covering their expenses to Board meetings. Action: SWST Board of Directors continue to support the high levels of involvement for the editors.
4. Move aggressively toward full electronic interaction of all principal activities of the Society. Action: SWST Board of Directors has purchased a new computer system.
5. Have on-going re-examination of the Constitution and By-Laws to keep the documents relevant and useful to the operation of the Society. Action: This a continuing function of an SWST standing committee and the Board of Directors.
6. Structure the Executive Board to have the best possible division of duties to assure continuity and excellence in decisions and programs. Action: This has been accomplished by assigning a Director to each standing committee.
7. Develop a comprehensive and retrievable database to permit analyses of membership and financial details. Action: This is being accomplished in concert with item 4.

### **Financial Viability**

1. Retain the conservative approach of limiting increase in membership dues. Action: This is an on-going goal of the Board of Directors.
2. Make aggressive increases in subscription rates consistent with that of other journals. Action: This has been completed over the last three years.
3. Assure that increased income is directed toward improved operation of the Society and to key programs that have the maximum benefits to the membership and field of WS&T. Action: The SWST Board of Directors continues to improve the operation of the Society for the maximum benefit of the members and the WS&T field.
4. Determine the level or range of cash reserve needed to cover contingencies that is consistent with our non-profit status. Action: SWST continues to operate with a significant cash reserve.

### **Membership**

1. Consider a mechanism for membership to begin with Associate Membership, moving to full membership in several years after providing evidence of qualification. Use this path to stimulate transition from student

membership. Action: This item has been addressed and the Constitution and By-Laws are being changed to reflect the action of the SWST Board of Directors.

2. Aggressively solicit student members using posters and contact persons in institutions. Consider "menu selection" for options of "journal" or "no journal" with student membership to reduce the cost to a nominal level for the "no journal" section. Action: Student members are aggressively solicited. "Menu Selection" has been discussed by the Board of Directors but has not been adopted.

3. Form joint student Chapter with FPS to encourage joint membership in SWST and FPS. Action: Joint student membership in FPS and SWST has not been encouraged.

4. Create a "special membership" for those from developing countries (DC). This membership would be extended on a courtesy basis (no dues) to any potential member from a DC. The membership would include all privileges except the journal. (This special membership could also be extended to student members from DC, although the nominal dues associated with a "menu selection" might mitigate that need.) Action: Recommendations are being developed by the SWST special committee. Adoption of the "special membership" category should be completed in 1995

### **Relationship with FPS**

1. Establish a clear role of SWST in education, the profession, and research. Action: The Board of Directors continues to define our separate role from the role of FPS.

2. Retain the annual meeting linkage, with the continuing format of the Sunday SWST business/technical meeting. Determine what the technical session should address and who the audience should be. Action: SWST continues to have a separate business/technical meeting while having a joint technical session and host reception with FPS.

3. Form an inter-Society linkage through cross-Board appointments or a similar mechanism. Action: This has been accomplished by the Board of Directors.

4. Identify joint committees that could serve both societies more effectively. Action: This has been accomplished by the joint SWST/FPS Technical Session Committee.

### **Program**

1. Recognize the influence of membership mix (university, private sector, federal) and level of education on the expectations of members. Action: Membership mix has always been encouraged and is one of the strengths of SWST.

2. Facilitate exchanges of members to promote the Society and exchange of knowledge with scientists and students. Action: This continues to be accomplished through our Visiting Scientist and our new International Visiting Scientist Programs.

3. Develop a program for the enlightenment and recruitment of students to the field. Action: SWST has supported production of a recruiting video and recruiting poster. SWST has also sponsored the Student Poster Competition at the annual meeting.

4. Form continuing education programs to provide specialized education to SWST members and others, using the resources of our higher education institutions. Action: Continuing education has been considered by the Board of Directors and it was decided to leave continuing education as the responsibility of our higher education institutions.

5. Conduct symposia on a regular basis to address critical issues and technical subjects of interest to the membership and others. Action: Many SWST members help plan and conduct symposia for FPS and other

conferences. Rather than create a burden on our members, the Board of Directors decided to support symposia as requested by our members.

6. Collaborate with other groups and societies to develop and provide key information on regional, national, and international forest products issues. Action: Coordination on these issues with FPS continues. SWST has become a member of Renewable Natural Resources Foundation (RNRF) in an attempt to represent our profession in the national policy arena and of Council for Agricultural Science and Technology (CAST) that has a mission to publish reports on the scientific aspects of public issues.

7. Continue the quality and expand the scope of the newsletter to establish it as a major outlet for current information in the forest products area. Action: This has been accomplished.

8. Examine W&FS to determine the most appropriate content of information, with a clear distinction from the SWST Newsletter. Action: This has been accomplished.

## **Education**

(Terry Conners) - Report unavailable

## **Membership**

(Stavros Avramidis) -In response to President Howard N. Rosen's letter of September 8, 1994, and the special charges given to the Membership Committee for 1994-1995, the following recommendations were presented to the Board of Directors:

1. Creation of a new SWST membership category for professionals from developing countries. Their designation will be: MEMBER (DC). These new members will have voting rights, will be receiving the SWST Newsletter and other printed material from the society, but they will not have to pay annual dues, and will not be receiving the Wood and Fiber Science journal. An issue of W&FS will be donated every month by the society to the library of the leading university having a Wood Science and Technology faculty in the developing countries. Addresses of the Wood Science and Technology research institutes and university facilities can be found in the FAO paper #109 entitled "Directory of forestry research organization".

Response from the Board: The board was not in favor of a separate membership category (DC). Several approaches were discussed to achieve participation from colleagues falling into this category. Corporate and/or individual sponsorship, starting a contribution fund for such a purpose, etc. were put forward. The President will contact Frank Beall who may have additional ideas on how to achieve this goal.

2. Creation of a Graduate Student List currently studying in North American universities. Every faculty member supervising graduate students should provide the society with their names and addresses. The society should send a letter to each graduate student inviting him/her to become a student member. The invitation can come from either the society's president or a group of selected high profile members representing all areas of wood science and technology.

Response from the Board: This was well received and will be referred to the Education Committee for implementation. The Chairman of the Membership Committee will be on the task force to implement the idea.

3. The society should become more active in sponsoring conferences that are closely related to wood science basic research. That can be achieved by either running a conference concurrently with other major societies, i.e., American Chemical Society, American Society of Chemical Engineers, etc., or running alternate conferences with the Forest Products Society with a basic versus applied theme. An example of it could be a drying conference where one year is sponsored by SWST and which will cover the basic science of drying, and the other year is sponsored by FPS and which will cover the applied aspects of drying.

Response from the Board: The Symposium Committee was disbanded several years ago. It was felt that sponsorship is doable anytime a member or members have sufficient interest. Symposia can be handled on a case-by-case basis.

4. Creation of a World Wide Web SWST Home Page with news, information on wood science and technology undergraduate and graduate education, list of all wood science departments, research highlights, conference announcements, etc. This home page will allow North American and international members, as well as, potential students to have access to any SWST information they need. This tool may become a good way of attracting high school students to the WS&T undergraduate programs since high schools are today heavy users of Internet and WWW.

Response from the Board: The concepts discussed above will be the subject of a meeting of interested parties at the upcoming FPS meeting. SWST will be represented and these discussions should go a long way to bringing a home page to fruition.

5. Creation of a voluntary joint SWST and FPS membership at a reduced rate (i.e., 80-90% of total). This way, both societies will benefit. The old status quo of separate memberships should still be maintained.

Response from the Board: The idea of joint membership is an old one and was found to be too cumbersome for implementation after several years of discussion.

**Publication Policy** (Douglas Gardner) - The Publication policy committee was charged with developing suggested guidelines for Wood and Fiber Science Technical notes. The committee is to be commended for doing an excellent job regarding input to the development of suggested guidelines for Tech. Notes. The suggested guidelines were forwarded to the SWST Board for consideration at the March 1995 meeting. The board rejected the guidelines developed by the committee.

**Visiting Scientist** (Bob Geimer) - Report unavailable

**4-H Wood Science** (Bob Rice) - Report unavailable

**Ad Hoc Committee for Special Needs Membership** (Frank Beall) - Report unavailable

**Visiting Scientist: Dr. Terry Sellers**

During the last week of April 1995, I had an opportunity to participate in my second SWST Visiting Scientist Program at the Department of Forest Products, Oregon State University (OSU). My first such SWST visit was to Virginia Tech in 1991, where I gave presentations at the Department of Forest Products ("Lignin Use in Wood Adhesives") and at the Center for Adhesive and Sealant Science ("Adhesion in the Wood Industry"). This year I participated in OSU's Plywood Manufacturing short course, which was oversubscribed by 50% thus turning away until next year many who wished to come. My topic "North American Plywood Adhesives With Global Awareness" covered an array of topics including wood harvest and utilization, plywood and adhesive value, plywood demand, globalization of plywood and adhesives, raw materials pricing and availability, adhesive leadership, global technology and its transfer, life-cycle adhesives, standards, environmental opportunities, recycling, business strategies, training and forecasting. These points were covered from an international viewpoint.

I also had the opportunity to address some of OSU's faculty and students in a SWST/Department of Forest Products sponsored (advertised) seminar. My topic was titled "The Here and The After," with an abstract as follows: "As members of the forest community, we of all people realize that our planet is a fragile, beautiful, interdependent globe, with one life support system (ecology) that is constantly changing. We as individuals have a great role to play in this system. As individuals, we are HERE faced with factors, that we may or may not be fully aware of, but that are influenced through our decisions. These factors included our natural inclination for survival, for identity, for economics, for success (progress), and for rule of law. Our daily decisions affect what happens AFTER and are influenced by our perspective (understanding) of interdependence, change,

responsibility and opportunity. We each have an important contribution to make to the future." This latter presentation was based on my own experiences and philosophical tenets.

I appreciate SWST and the OSU/Department of Forest Products for making this visiting program possible.

Dr. Terry Sellers, Jr.  
Professor  
Mississippi State University  
Forest and Wildlife Center  
Forest Products Laboratory

## NETWORKING ON AE AND AU APPLICATIONS

A number of years ago, we hosted workshops on Acoustic Emissions (AE) and Wood at the University of California Forest Products Laboratory. These were discontinued in 1990, mainly because AE symposia started incorporating sessions on wood-based materials. However, we lost the networking that the AE Workshops fostered. What I would like to do is re-establish e-mail networking on AE and Acoustic-ultrasonics (AU) applications related to wood and wood-based materials. If you are interested in joining in this venture, please contact me. Also, if you are aware of others that might be interested in joining, please pass on this message.

Frank C. Beall, Director  
Forest Products Laboratory  
Phone: (510) 215-4233  
FAX: (510) 215-4299  
E-mail: Beallfc@nature.berkeley.edu

## Obituary - Dr. Paul Robert Steiner

Professor Paul Robert Steiner passed away May 10, 1995 following a lengthy illness.

Dr. Steiner - a Professor in the Department of Wood Science of the University of British Columbia - was internationally recognized for his contributions and pioneering research in the fields of wood adhesives and wood composites technology. Paul's academic leadership, collegiality and warm personality will be greatly missed by all colleagues, students and staff.

Dr. Steiner is survived by his wife Louisa and their three children Jordana, Naomi and Kevin.



### " Natural Resource Income Opportunities "

**Information  
Please**

is a new video from the Maryland Cooperative Extension Service for woodland owners and resource professionals. Many colleagues have an interest in this area and this video provides a good introduction. The 23-minute video provides those thinking of starting an income enterprise an approach based on sound marketing and business principles. The video includes interviews with small entrepreneurs who provide first-hand experiences and advice that will help increase the chances of success. Enterprises investigated include fee fishing, sporting clays, shiitake mushrooms, small firewood bundles, wood crafts, bed 'n breakfast and custom sawmilling. However, the principles and advice can be applied to any enterprise. The video is available for the nominal price of \$18 (includes postage) from the Maryland Cooperative Extension Service, Distance Education and Outreach Communications Unit, 0119 Symons Hall, College Park, MD 20742 or call (301 ) 405-4593. Make checks or purchase orders payable to the University of Maryland.

## Society of Wood Science and Technology Annual Meeting

"Wood and Wood Products in the 21st Century"



**Coming  
Events**

June 25, 1995

Red Lion Hotel Lloyd Center, Cascade Ballroom

Portland, Oregon USA

Registration Fees: \$75 members, \$10 Students and Retired, \$100 non-members. Includes morning coffee and catered lunch.

"An Industry Point of View"

Norman E. Johnson

Senior Vice President, Technology

The Weyerhaeuser Company

Tacoma, Washington

"A Government Point of View"

Ronald E. Stewart

Associate Deputy Chief for Research

USDA Forest Service

Washington, D.C.

"An International Point of View"

Robert W. Hagler

President Wood Resources International, Ltd.

Reston, VA

"A Canadian Point of View"

Ian de la Roche

President

Forintek Canada Corporation

Vancouver, B.C.

A Panel Discussion will follow the individual presentations.

The Society will present the SWST Distinguished Service Award and the George G. Marra Award of Excellence.

Business will be conducted during a catered lunch. In the afternoon, Concurrent Technical Sessions will be conducted in cooperation with the Fundamental Disciplines Technical Interest Groups of the Forest Products Society.

A Joint Technical Forum and Student Research Poster Competition, with cash awards, will be held following the concurrent technical sessions. SWST will be a co-sponsor of the evening Host Reception.

**INTERNATIONAL CONFERENCE ON DOMESTICATION AND COMMERCIALIZATION OF NON-TIMBER FOREST PRODUCTS IN AGROFORESTRY SYSTEM**

This conference will be held February 19-23, 1996 in Nairobi, Kenya. (Note: this is was previously announced as "Inventory of Non-Timber Products.") It is organized by the I International Centre for Research and Agroforestry (ICRAF), IUFRO S 4.02, and the International Society of Tropical Foresters, Inc.

Tropical forests are an important source of foods, medicines, and non-timber fibers. While local communities have depended on these products for millennia, very limited scientific research has been directed at their assessment, development, commercialization or possible domestication. Many forest products have been marketed as extractives from natural forests, but have potential as agroforestry crops. To promote their use in agroforestry requires the commercial interest of the trade, and development of nurseries and farmers's co-operatives. Currently, weakness in many of these steps contribute to major constraints to the adoption of these species in agroforestry. This conference sees ways to overcome these constraints.

The objectives of this conference are to synthesize available information and to define the future research agenda with special attention to the following themes:

- Product identification, assessment, and monitoring
- Indigenous knowledge and ethnobotany
- Product development and management (biological options, commercial opportunities)
- Product domestication and adoption by farmers (users, markets)
- Policy and institutional aspects.

The intended outcomes of the conference are:

- A strategy for monitoring, development, and commercialization of non-timber forest products.
- A synthesis of information available on products, users and adoption.
- A mechanism and plan for inter-regional exchanges of information and experiences
- An updated catalogue of institutions involved in non-timber forest products, with clear definitions of mandates.

For further information contact:

Dr. Roger B.B. Leakey, Chairman,  
Organizing Committee,

International Conference on Domestication and Commercialization of Non-Timber Forest Products in  
Agroforestry Systems,  
United Nations Avenue, Gigri, P.O. Box 30677,  
Nairobi, Kenya.

Tel: +254-2-521450.

Fax: +254-2-521001.

Telex: 22048 ICRAF.

E-Mail: icraf@cgnet.com

### **International Conference on Microwave and High Frequency Heating.**

It will be held on September 17-21, 1995 at the Cambridge University, Cambridge, UK.

For more information, contact:

Dr. A.C. Metaxas,  
University of Cambridge,  
Engineering Department,  
Cambridge, CB2 1PZ. UK or  
FAX: +44-1223-332662.

### **1995 International Paper Physics Conference,**

held on September 11-13, 1995, will be held at Queen's Landing, Niagara-on the-Lake, Ontario, Canada.

For more information, contact:

Prof. C.T.J. Dodson,  
University of Toronto,  
Pulp and Paper Centre,  
200 College Str.,  
Toronto, Ontario, M5S 1A4, Canada or  
FAX: (416) 971-2409 or  
(416) 978-8605.

### **Fourth Annual WMI Workshop on Wood Machining and Cutting Tools.**

August 2-3, 1995, Hyatt Regency Alicante Hotel, Anaheim, California.

WMI offers a two-day annual workshop on the principles of wood machining and cutting tools. Topics include: tool materials and geometries, cutting tool selection and cost justification, proper use and maintenance of cutting tools, and common wood machining defects and methods to avoid them.

For more information, contact:

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



**Positions  
Available**

### **EXTENSION FACULTY POSITION - DEPT. OF WOOD & PAPER SCIENCE**

**TITLE:** Assistant Professor and Extension Wood Products Specialist (Secondary Manufacturing). Twelve month tenure track position.

**POSITION LOCATION:** North Carolina State University, Raleigh, NC with statewide responsibility.

**AVAILABLE:** Immediately

**APPLICATION DEADLINE:** July 31, 1995

**POSITION RESPONSIBILITIES:** Provide statewide leadership within the North Carolina Cooperative Extension Service to develop educational programs for North Carolina's secondary wood products manufacturing firms in lumber yield improvements and wood machining. This individual should be able to analyze different lumber cut up methods for different raw materials and end products, using computer models for assistance and experience. Continuing education programs are expected to be developed in all of these areas.

The applicant will be part of a utilization and marketing team and will be expected to undertake case studies and applied research. Other responsibilities include demonstrations, educational programs, the publication of reports, and the production of videotapes and computer programs to assist secondary wood products manufacturers.

The applicant must interact with extension, research and teaching faculty within the University system and persons in other public and private organizations in the planning and development of educational programs.

**QUALIFICATIONS:** A Ph.D. degree with at least one degree in forest products, wood science and technology, or related area. Applicant should have knowledge of secondary wood products manufacturing with previous industrial work experience desirable. Wood drying experience will be considered a plus. Applicant must have the ability and desire to develop and conduct an effective Extension program in cooperation with faculty, staff and industry. The candidate must be able to communicate effectively orally and in writing using innovative technology transfer techniques, and have the ability to conduct applied research and develop effective demonstrations, publications or other educational materials. Applicant must also be willing to travel throughout North Carolina.

**EMPLOYMENT STATUS AND SALARY:** This position is a 100 percent Extension appointment. Academic rank and tenure status will be determined based on individual's qualifications and interest. Salary will be competitive, commensurate with qualifications.

**CONTACT:** Mr. Larry G. Jahn, Interim Department Extension Leader, Department of Wood and Paper Science, Box 8003, North Carolina State University, Raleigh, NC 27695-8003, Telephone (919) 515-5579, FAX (919) 515-7231, E-Mail [Ijahn@wolf.ces.ncsu.edu](mailto:Ijahn@wolf.ces.ncsu.edu)

**APPLICATION PROCEDURE:** Transcripts, resume, three letters of reference and a brief statement of the applicant's reasons for application are required.

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*Last updated: 1/2/97*

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