



# THE UNIVERSITY OF MAINE

PULP AND PAPER FOUNDATION

## The Dandy Scroll

Volume XLVI No. 2 • Fall 2003

### Foundation Awards Fall Scholarships to 94 Students Preparing for Paper Related Technical Careers

The opening of the Fall semester at the University of Maine was followed by the Foundation's annual scholarship reception and banquet. Students had the opportunity to meet and talk with several members of the Scholarship Committee at a reception preceding the banquet. Chairman of the Scholarship Committee, Jack MacBrayne, III, President, NIC FineBar, served as master of ceremonies. He told the students, "It is a pleasure on behalf of all Foundation donors to provide financial support to encourage each of you to continue your education in preparation of a paper industry related career."

Mr. Theodore Kennedy, Vice President Palatka Operations, Georgia-Pacific Corporation was the featured speaker offering insight and encouragement to students. In his address he reminded the students of how valuable their University of Maine education is. He pointed out the challenges available not only in this country but also around the world. He encouraged the students to help build a globally competitive industry satisfying customer needs by developing new and improved processes.

Fall scholarship awards valued at more than \$236,000 were given to 94 students studying in the College of Engineering and the College of Natural Sciences, Forestry, & Agriculture. Students are enrolled in Chemical Engineering (35), Civil Engineering (8), Computer Engineering (1), Construction Management Technology (1), Electrical Engineering (11), Electrical Engineering Technology (4), Forestry (2), Mechanical Engineering (17), Mechanical Engineering Technology (13), and Engineering Undecided (2).

There are 39 seniors, 31 juniors, and 24 sophomore scholarship recipients. In addition, 24 first-year students have been offered Spring scholarships, provided academic performance requirements are met for the Fall semester. Scholarship

*Foundation Awards Fall Scholarships - continued page 2*



Theodore Kennedy, Vice President Palatka Operations, Georgia-Pacific Corporation (center) presents scholarship checks at the annual Pulp & Paper Scholarship Banquet.



Jack MacBrayne, III, Scholarship Committee Chair (center) presents scholarship checks at the annual Pulp & Paper Scholarship Banquet.

### MORE BUSINESS AS USUAL A Message From Peter A.

**Duncan, Executive Director**

My wife bakes an excellent pie. In my world her pies are the benchmark. So when we have company for dinner, she gets nice compliments. And my response is "the usual." Our guests are sometimes taken aback with my remark but Lyn knows that "the usual" is the benchmark.

The Foundation equates "business as usual" with excellence. Consider some of the events that have happened.

In April 340 industry stakeholders attended our annual Open House. This is the largest attendance ever at a time when attendance at conferences and meetings is way down because of the business climate. Governor Baldacci demonstrated his interest in the paper industry by giving us an afternoon and evening and our meeting represented a start of a new beginning in bringing stakeholders together for a common cause. The paper industry continues to be the largest manufacturing segment in the state of Maine and the message was clear – we need stakeholders to pull together to maintain and foster growth in this important opportunity for jobs.

After a year's hiatus, the Summer Institute was rejoined, this time with a smaller attendance. The program delivered high quality as noted from delegate ratings and we are enthusiastically planning next year's program. Even with the lower turnout, we were able to designate a significant contribution to the Department of Chemical and Biological Engineering from the proceeds.

*MORE, Business as Usual - continued page 2*

*Continued - MORE Business as Usual*

And student quality continues to support “business as usual.” Ninety-four upperclassmen have an average GPA of 3.67 in some of the most demanding courses on this campus vs. an overall student population GPA of 2.97. Of the thirty-eight seniors receiving scholarships from your Foundation, two are All Maine Women, two are Senior Skulls, and one is the President of Tau Beta Pi. In our book this is leadership as usual.

Your Foundation awarded \$236,000 in fall scholarships to upperclassmen at the annual scholarship banquet. This year we were fortunate to have Ted Kennedy, Vice President Kraft Division and Plataka Operations of Georgia Pacific, deliver the banquet address. Ted’s message was excellent, and inspiring, as he spoke directly to the current state of our industry, a change in the business cycle, and the need for new talent to address the challenges facing our industry.

Now we come to crunch time. As we conduct “business as usual” at this University, our supporting industry seems to have settled into a new standard of “business as usual.” We continue to address difficult market conditions and a tougher job market and it has become increasingly difficult to think positively about the short term and to think even less about the long term. But all signs point to a positive turn in the business cycle and forces are gathering to make the next decade a unique time in the demand for well educated people to fill jobs. As you plan your business strategies for growth, it is our responsibility to develop the talent pool to make it happen.

This year we have “business as usual” with thirty-nine bright young engineering graduates and leaders who will be ready in May to participate in taking our industry from the current business status to increasing levels of success. This class continues to offer a center of excellence and is eager to assist you in making a difference.

*Continued - Foundation Awards Fall Scholarships*

recipients represent 68 Maine towns. Other states represented are Colorado, Massachusetts, Ohio, South Dakota and Virginia.

Each of the scholarship recipients receiving Foundation support this fall have had summer jobs or co-op positions in the industry. Currently sophomore scholarship recipients are interviewing with potential employers. Job offers will be accepted by the students in November.

At its meeting preceding the banquet, the scholarship committee agreed to offer scholarships to up to 30 incoming first-year students in the fall 2004. It was also the committee’s recommendation to continue Foundation support for up to 100 upperclass scholarship recipients in 2004. Scholarship awards are based on merit and on the student’s demonstrated interest in considering a paper-related technical career upon graduation from The University of Maine. Students can show their interest in several ways, by accepting co-op assignments with member companies, summer employment in the industry and by attending the Chinn Engineering Management Seminars.

Scholarship applications for the 2004-05 academic year will be available in the Foundation office, or on the Foundation’s website starting in January. The Pulp and Paper Foundation has provided more than \$6 million in scholarship awards to more than 2,000 students since it was organized in 1950.

## A Surprise Telephone Call Reminds Us The End of the Year is an Ideal Time to Establish an Endowment



*Roy K. Ferguson*

We received a telephone call from Ms. Elizabeth Clark, the daughter of Roy Ferguson, a few weeks ago. In reviewing Mr. Ferguson’s file, we are reminded of how easy it is to lose track of those who have come before us and who have made a significant impact on our Foundation by providing the resources that have educated and prepared so many students for employment in the forest and paper industry.

Mr. Ferguson joined the St. Regis Paper Company in 1917, became a Director in 1933, served as President of the Company from 1934 to 1957, and held the office of Chairman of the Board from 1948 to 1971. From 1933 to 1971 St. Regis experienced extensive revitalization, modernization and diversification via his leadership as the Company reached sales of \$1 billion dollars.

Mr. Ferguson was active with a number of other companies and associations in the paper industry and allied fields and with many charitable, educational and civic activities. The value of Roy’s scholarship has more than doubled from his personal contributions and today his scholarship accounts for nearly 3% of our endowment. What a great example for all of us!

As the end of the year approaches, now is an excellent time to consider making a lasting gift in appreciation of your own career opportunities or for the benefits you have had as a member of a group. For information about establishing a Named Scholarship Fund with a single gift, or with several gifts over a period of time contact Peter Duncan, at the Foundation’s office 207/581-2298 or by e-mail at [duncan@maine.edu](mailto:duncan@maine.edu).

## Class of 2004 Prepared for Graduation and Career Decisions

UNIVERSITY OF MAINE  
CLASS OF 2004



Candidates for Placement in  
PULP & PAPER  
and Allied Industries

Thirty-Nine members of the University of Maine's Class of 2004 are featured in this year's Pulp & Paper Foundation Candidates for Placement Brochure. Thirteen graduates are women. By major the class is comprised of 16 Chemical Engineering students, 7 Mechanical Engineering Technology students, 6 Mechanical Engineering students, 4 Civil and 4 Electrical Engineering students, and one student, a Forestry/Wildlife major. Every student featured in the brochure is a Pulp and Paper Foundation Scholarship recipient. Two students are December graduates who will be ready for employment early in 2004.

Foundation Executive Director, Peter Duncan, said "One of the most important aspects of my position is to provide our company members with the engineering students they want to hire. The students have excellent grades, good communication skills and unique job experiences. The students bring diverse job experiences from summer and co-op employment to their future employers. I am very proud of this year's class."

To receive a copy of the Candidates for Placement brochure call the Foundation office, 207/581-2296. A brochure will be put in the same day's mail to you.

## Summer "Consider Engineering" Program Offered Challenges and Satisfactions to Participants



*Consider Engineering program participants are shown displaying their paper and masking tape water tower as part of the program's 2003 design competition.*

Sixty students participated in the Pulp & Paper Foundation's 2003 Consider Engineering program in July. The program attracts students who are the top students in their schools, particularly in math and science. Participants were invited to attend based on their application for admission which included writing an essay explaining why they wanted to participate. Invitation to attend the program is highly competitive. The selection panel is comprised of a University professor, College dean and Industry representative. The students who were chosen to attend are among the best at their schools located in Maine, and throughout the Northeast. Students who participated in this summer's program found they were challenged to accomplish goals beyond what they thought were possible.

The program opened with team building and ice breaking activities and a welcome barbeque led by Foundation Executive Director, Peter Duncan, and Chemical Engineering Professor John Hwalek. Immediately following dinner students attended a computer seminar, signed up for research experiments and received instruction for the construction competition. This year's competition was to construct a paper water tower using only newspaper and masking tape.

While on campus the students have opportunities to meet current University of Maine engineering students. Four engineering disciplines were represented in the research experiments which were conducted by Engineering Professors from Chemical & Biological Engineering, Mechanical Engineering, Civil Engineering and Electrical Engineering.

The students also toured a local mill to see how paper is made after learning from Pulp & Paper Calder Professor Joseph Genco and the Pulp & Paper Process Development Center Director, Michael Bilodeau, about the principles underlying pulping and papermaking. Another favorite activity is an evening game titled "I AM an Engineer" where students are given practical engineering problems to solve working as teams against a time deadline. Teams can earn "points" for each successful problem solution.

The University of Maine Pulp & Paper Foundation will once again offer "Consider Engineering" in 2004. The program will be offered in two sessions; July 11-14<sup>th</sup> and July 18-24<sup>th</sup>. Program booklets, including admission applications will be distributed to all Maine high schools beginning in January, 2004. Applications will also be available on the Foundation's website at [www.maineulpaper.org](http://www.maineulpaper.org) or by calling the Foundation office at 207/581-2297.

## Pulp & Paper Scholarship Recipients Looking For Winter Break & Summer Employment Opportunities

Many sophomore and junior Pulp & Paper Foundation scholarship recipients want to apply what they are learning in the classroom to actual engineering challenges. Student workers also offer an opportunity to undertake projects of a short-term nature or ones that have been neglected for lack of staff time.

Potential employers interested in considering an aspiring UMaine engineering student are encouraged to contact the Foundation's Executive Director, Peter Duncan, by telephone at 207/581-2298 or by e-mail at [duncan@maine.edu](mailto:duncan@maine.edu).

## Chinn Engineering Management Seminar Series Schedule Announced

The University of Maine Pulp and Paper Foundation will offer scholarship recipients and potential scholarship recipients the opportunity to attend up to six seminars for the 2003-04 academic year. The Jack E. Chinn Engineering Management Seminar Series allows students exposure to management topics they would not otherwise encounter in their classes at UMaine.

The opening Chinn Management Seminar was presented on the first evening students returned to the University this fall by Stanley N. Marshall, Jr., Retired Foundation Executive Director. The seminar titled "Opening Doors – RESUMES as YOUR SALES TOOL" was well received. Stan introduced students to effective and disastrous resumes and reminded students their resume is an advertisement. Stan told the students to "show the reader of your

resume in under one minute (no one takes more than two minutes to read a resume) what benefits you can offer that will help them meet their needs for new employees."

The second Management Seminar presented was titled "Interviewing Skills" and was held two weeks into the semester. The seminar was presented by the Human Resource Team of International Paper's Androscoggin Mill. In this one hour presentation students learned about pre-work, resumes, campus interview expectations, follow-up thank you letters and on-sight interview expectations.

In November, Melissa Hendrickson and Katie Frost, both chemical engineering students, will offer students insight into the opportunities offered by accepting a co-op assignment abroad. The Pulp and Paper Foundation started its "global" co-op program with Melissa accepting a position offered by Metso Paper USA in Jyvaskula,

Finland. This past summer Melissa was in Dachau, Germany working on projects for MD Lang. Katie spent the summer working for the Specialty Minerals Division of Minerals Technologies, Inc., in Hermalle, Belgium.

Scheduled for the spring 2004 semester are seminars covering the topics of Leadership, Intellectual Property and Strategic Planning.

Each seminar is followed by a light dinner sponsored as part of the series. The dinner affords students the opportunity to meet, talk and ask questions of the presenters.

Foundation member or friends who would like to present a Chinn Engineering Management Seminar are encouraged to contact Peter Duncan by calling 207/581-2298 or by sending him e-mail at [duncan@maine.edu](mailto:duncan@maine.edu).

## High School Engineering Career Exploration Seminars Attracting Strong Student Interest Around the State

The Foundation's 2003 Engineering Career Exploration Seminar series, for high school students, is underway and will continue through the month of November at 13 Maine locations.

For more than 25 years the Pulp and Paper Foundation has conducted these seminars to help high school students who are considering becoming engineers by providing information about the profession and the challenges engineers enjoy. The program compares engineering and engineering technology to science, skilled craftwork and technician occupations. Students also learn what distinguishes the different types of engineering from one another.

Foundation Executive Director, Peter Duncan, will present the seminars in Augusta, Bangor/Brewer, Biddeford, Jay, Lincoln, Madison, Old Town/Orono, Rumford, Waterville and Woodland. New this

year, Barbara Kerr Hamilton of the Fitch Company will conduct the Millinocket and Madawaska seminars while David K. Wilson of ONDEO Nalco Chemical will conduct the Bucksport seminar.

Each seminar begins with an icebreaker; a problem is defined and presented to the students who must work in a team to come up with a solution. The winning team receives a prize. From there, the presenter introduces engineering as a career which is different from science or technology. Students learn about different engineering majors and are offered literature which gives more information. A highlight of each program is a tour of the host facility allowing students to see a typical engineering work environment. The seminars conclude at a luncheon with engineers and an engineering panel session at which the high school students can ask their engineering hosts questions

about their accomplishments, satisfactions and challenges.

More than 90 Maine high schools are expected to participate in the program. It is usual for nearly 25% of the students who participate each year to decide to study engineering at the University of Maine when they graduate from high school. The Career Exploration Seminar programs also serve as an introduction to the Foundation's summer Consider Engineering program as participants receive a personal invitation from Foundation Executive Director, Peter Duncan, to apply for the program.

Readers interested in obtaining more information about the seminar program in general or in recommending a student to attend are invited to contact Faye Woodcock Murray at the Foundation office at 207/581-2297 or e-mail at [woodcock@maine.edu](mailto:woodcock@maine.edu).

## Stanley N. Marshall, Jr., Honored with Emeritus Title

Stanley N. Marshall, Jr., retired Foundation Executive Director, has been awarded the title of Executive Director, Emeritus from the University of Maine.

In learning of the award Peter Duncan, said, "In his 27 years as Executive Director of this Foundation, Stan Marshall created effective recruiting and fundraising programs. These programs continue as the basis for our success today. His contributions to the development of human resources for the forest and paper industry are extraordinary."

In his letter to Stan, UMaine President, Peter Hoff, stated, "I am pleased to award you the title of Executive Director, Emeritus of the Pulp and Paper Foundation in recognition of your distinguished career at the University of Maine." Dr. Hoff when on to say, "I share the sentiments of your colleagues in expressing my sincere appreciation for your commitment and service to this institution and wish you the very best in the coming years."

## Will You Recommend a Deserving High School Student for a Scholarship?

The Pulp and Paper Foundation is planning, once again, to offer up to 30 merit-based scholarships to first-year students who will enter the University of Maine in the College of Engineering or Forestry in the fall 2004.

Scholarship applications are provided to each of the high school seniors attending the Foundation's fall Career Exploration Seminar program and to students who participated in the previous summer's Consider Engineering program.

First year scholarship awards are for \$1000 payable in the spring semester of the first year of study provided the student completed 14 credit hours of coursework with a minimum gpa of 3.0. First-year scholarships are renewable for full Maine resident tuition for sophomore through senior year provided the recipient continues to show a demonstrated interest in the paper and allied industry. Successful scholarship applicants are usually in the top 10% of their senior class and have earned SAT scores in the top 10% of all test takers. Applications are reviewed as they are received at the Foundation. While there is no deadline for applications, there is no assurance funds will be available after February 1<sup>st</sup>, 2004.

Applications are available at each Maine high school through the Guidance Office, the Foundation website [www.maineulpaper.org](http://www.maineulpaper.org) or by contacting Faye Woodcock Murray at the Foundation Office by calling 207/581-2297.

## UMaine Receives Invitation to Participate in Energy Challenge 2004

The University of Maine has once again been invited to participate in the Energy Challenge for the sixth consecutive year. Dr. John Hwalek, Chemical Engineering Professor and advisor for the UMaine team, recently received the invitation. A maximum of ten schools are awarded start-up grants of \$2,000 each to compete in the competition. The ten participating colleges are encouraged to seek industry sponsorship to assist them with materials and travel monies.

This year's competition focuses on the design and construction of a snowboard. Approximately 80% of the snowboard will be cellulose materials. The students will work as a team to comply with engineering and material science specifications. Scoring will be determined on such factors as materials composition, weight-to-volume ratio, structural integrity, aesthetics, and novelty.

A snowboarding competition will be held in Colorado at a location to be disclosed later in the competition. Teams will race their snowboards on a straight-line downhill course.

University of Maine students participating in the competition are Michael Byrd, Bangor, ME; Timothy Davis, Glenburn, ME; Stephanie Fisher, Winslow, ME; Janelle Lavoie, Glen Cove, ME; Jay Mitchell, Jay, ME; Kristy Palmer, Rumford, ME; Joseph Ramos, Caribou, ME; Jennifer Saucier, Millinocket, ME; Lara Smart, Alberta, Canada and Ryan Wadsworth, Cornish, ME.

The Energy Challenge is an outgrowth of partnership created between the American Forest and Paper Association, The U.S. Department of Energy Office of Industrial Technologies and The Institute of Paper Science and Technology.

**If you have an item for  
Alumni Personals  
please contact  
Faye Woodcock Murray  
at the Foundation Office  
Phone 207/581-2297**

## Stora Enso North America Joins the Pulp & Paper Foundation

In 2003, Stora Enso North America (SENA) joined the University of Maine Pulp and Paper Foundation as one of our new company members. SENA is a division of the global group Stora Enso, an integrated forest products company, and includes the former Consolidated Papers and the Stora Port Hawkesbury mill in Nova Scotia. In North America, SENA is based in Wisconsin Rapids, WI, and is a leading producer of coated and supercalendered printing papers for the printing and publishing industries.

According to Tim Laatsch, SENA Senior Vice President; "We are pleased to renew the relationship with The University of Maine Pulp and Paper Foundation begun a number of years ago by Consolidated Papers. We recognize that programs such as yours help us to become a better company. It develops young people for the industry by providing learning experiences that make a difference. Thus, our contribution becomes an investment in both the industry and the future. It is an investment that we know will yield better ideas, greater efficiencies and higher productivity. These will come through the young people you work with. It would be my hope that we would become an active participating member of the Foundation. We are looking at the long term future and not the short term problems and hope to draw from the potential at the University of Maine."

John Wolanski, Membership Committee Chair, welcomes this new company member; "Stora Enso is a global manufacturer with a worldwide presence that will help the Foundation broaden its horizons. We want to develop a mutually beneficial relationship with SENA as a active member and hope to see them represented at our 2004 Open House event."

## Fall 2003 Chemical Engineering Distinguished Lecture Series Announced

Dr. Hemant Pendse has announced the speakers for the Fall 2003 Distinguished Lecture Series sponsored by the Pulp & Paper Foundation. The seminar series is intended to support faculty research interests. The schedule is as follows:

- Odor Reduction Using Green Liquor Dregs in Packed Bed Reaction Configuration, presented by Jeff Empie, Institute of Paper and Technology, Georgia Tech. On September 29<sup>th</sup>.
- Applications of Environmental Engineering in Natural Systems, presented by Aria Amirbahman, UMaine Civil & Environmental Engineering on October 20<sup>th</sup>.
- Message to Chemical Engineers – Environmental Law Will Affect You, presented by William Taylor, Pierce, Atwood & Scribner Law Firm on October 27<sup>th</sup>.
- The Next Industrial Revolution, presented by Wendy Porter, Interface Corporation on November 3<sup>rd</sup>.
- The Greening of a Pulp & Paper Mill, presented by Marquita Hill, UMaine Chemical & Biological Engineering on December 1<sup>st</sup>.

Pulp and Paper Foundation corporate members and friends are welcome to attend the seminar presentations and to meet the presenter at 2:00 p.m. in the Soderberg Lecture Hall. There is no charge to attend although guests are encouraged to make reservations by calling Cathy Dunn in the Chemical & Biological Engineering Department at 207/581-2277. Information about the Spring 2004 Distinguished Lecture Series will be available from Cathy soon after December 1<sup>st</sup>, 2003.

## Mark Your Calendar 2004 Pulp & Paper Open House April 14 & 15, 2004

- Thursday Industry/Student Panel
- Annual Meeting
- Steak/Lobster Banquet
- Banquet Speaker, Mr. John A. Luke, Jr., MeadWestvaco Corporation
- Named Scholarship Presentations
- Friday Breakfast Seminar
- Casual Friday Luncheon

## First-Year Scholarship Recipients Honored at Welcoming Banquet

Executive Director Peter Duncan welcomed 24 entering scholarship recipients to The University of Maine at its first-year student welcoming dinner held two days after classes started in September. Also in attendance were several upper-class scholarship recipients who were invited to share their experiences and answer questions asked by our incoming students.

The reception and banquet gives incoming students the opportunity to meet other first-year scholarship recipients. In many cases it serves as a reunion of “Consider Engineering” participants as more than half of our first-year students are alumni from our 2002 summer engineering program.

Barbara K. Hamilton, Chair of the Educational Relations Committee, was the guest speaker at the dinner. She told students of how she was once sitting in their very spot. Barbara reminded students that although the University seems large at first they shouldn’t worry as they are part of a close community of fellow scholarship recipients who would be there to offer assistance. All they have to do is ask. After Barbara’s remarks, Peter Duncan invited the students to ask questions of upper-class scholarship recipients in attendance. Peter also reminded the students that help is available should they need it. “The Pulp and Paper Foundation door is always open, if you have a question, if you need help, if you just want to drop by and say hello, we are there for you. You are the best of the best, we want you to succeed, and we are here to help.”

Of the 24 students represented, 23 are from Maine and one is from Lorain, OH. The breakdown by major is: 7 Chemical Engineering students, 3 Computer Engineering, 3 Electrical Engineering, 8 Mechanical Engineering, 1 Mechanical Engineering Technology, and 2 Undecided major students.



## 2004 Pulp & Paper Summer Institute June 8 - 11, 2004

A Comprehensive Overview of  
Pulp & Paper Technology and  
Emerging Trends

Registrations are accepted as they are received. Space is limited to 50 participants. Call program Registrar, Faye Woodcock Murray at 207/581-2297 to register. Complete program details are available on our website at [www.maine.pulpaper.org](http://www.maine.pulpaper.org).

## Foundation Seeks Nominations to Recognize Outstanding Physical Science Teachers

Barbara Hamilton, Chair of the Foundation’s Educational Relations Committee, has announced that the Foundation is seeking nominations of outstanding physical science teachers who have demonstrated exemplary performance which benefits their students and other teachers.

Awards for Programming Excellence and Sustained Leadership have been offered since 1990 and are presented each year as part of the Foundation’s annual Open House Festivities. The Teacher Recognition Awards are intended to stimulate an expanded interest in science in both teachers and students.

Nomination applications are solicited from current and former students and from teachers and staff. Those making the nomination are asked to submit a brief essay describing the achievements of the nominee. In making the announcement Ms. Hamilton said, “The Pulp and Paper Foundation values teachers of the physical sciences because they encourage enthusiasm in the sciences from students.”

Nomination forms are available for download from the Foundation’s website at [www.maine.pulpaper.org](http://www.maine.pulpaper.org) or by calling the Foundation office at 207/581-2296. The application deadline is January 15, 2004. Completed nomination forms should be mailed to the Foundation’s Educational Relations Committee, 5737 Jenness Hall, Orono, ME 04469-5737.

## The University of Maine Process Development Center Welcomes New Staff

As the University of Maine Process Development Center heads into its busy fall schedule, we are pleased to announce the addition of two new staff members, both with previous ties to the University of Maine.

In August, Jonathan Spender joined us, and his expertise in lignin chemistry will be a great asset in our work to improve chemical process technologies. Jonathan was born in Connecticut and came to Maine in 1998 to study with Drs. Barbara Cole and Ray Fort in the Chemistry Department, where he completed a Master's degree in wood chemistry. While conducting research in lignin chemistry, he also found the time to student teach at Old Town high school for a year! Following graduation, Jonathan worked with the University of Maine Process Development Center, advancing our understanding of the chemical mechanisms involved in improved retention, and later worked for a time at Sensor Research and Development.

Jonathan has been married for almost a year, and he and his wife, Kim, enjoy downhill and cross country skiing, hiking, and rock collecting. We feel fortunate that Jonathan has returned to the University to join our research staff.



*Jonathan Spender joins the University of Maine Process Development Center Staff*

In September we were joined by Jessica Chase Verrill who brings substantial industry experience and chemical engineering skills to the pilot plant. Jessica, a UMaine Pulp & Paper Foundation scholarship recipient, graduated from the University in 1998 with a degree in chemical engineering and has worked in a number of different capacities. While a student, Jessica worked part-time with the Pulp & Paper Foundation from 1994 to 1997 and later worked as a co-op student with Nalco Chemical Company. After graduation, she accepted a position with Nalco at their Naperville, Illinois facility. She was later transferred to International Paper's Lock Haven mill in Pennsylvania where she worked for three years. Then in 2001, she moved to Cambridge, Massachusetts to work with W.R. Grace.

Married in 2001, Jessica and her husband are happy to be back in Maine and are now living on land once owned by her grandparents. Jessica is also pleased to be working in the pulp and paper field again. Needless to say, the University of Maine Process Development Center feels very fortunate to have Jessica join our team.



*Jessica Chase Verrill joins the University of Maine Process Development Center Staff*

## Alumni Personals

**Scott Huff**, '72, is now Dean, Science & Engineering at Portland Community College in Portland, OR.

**Robert W. Roy**, '74, is President of RMR Mechanical, Inc., in Cumming, GA.

**Lee A. Marshall**, '79, was promoted to Technical Manager, SAPPI Fine Paper in Skowhegan, ME.

**Ralph Carter**, '85, is now President & CEO of Pavilion Technologies in Austin, TX

**Jessica Chase Verrill**, '98, has joined the University of Maine Process Development Center as a Research Assistant.

**Shawn M. Albert**, '99, has joined Fraser Papers Inc., in Madawaska, ME as a Process Engineer.

**Erica Leighton**, '03, has joined Pratt & Whitney as an Engineering Rotation Program Manufacturing Engineer.

### Pulp & Paper Foundation Website

FOR COMPLETE  
"UP-TO-DATE"  
INFORMATION ON

- Consider Engineering
- Career Exploration Seminars
- Annual Open House
- 2004 Summer Institute
- First-Year Scholarships
- Upperclass Scholarships

VISIT US ON THE  
WEB AT  
[www.maineulpaper.org](http://www.maineulpaper.org)

## Return Service Requested

### Dr. Hemant Pendse Becomes Department Chair



Dr. Hemant Pendse has been appointed Chairman of the Chemical and Biological Engineering Department as of July 1<sup>st</sup>. Dr. Pendse succeeds Dr. Douglas Ruthven who is in Germany on a year's sabbatical.

Dr. Pendse received his B.Tech., Chemical Engineering from I.I.T, Bombay, India in 1975. He received his M.S. in Chemical Engineering in 1977 and his Ph.D. in Chemical Engineering in 1980 from Syracuse University, Syracuse, NY. Dr. Pendse became an Associate

Professor in 1983 and was named Professor in 1991. He is also Founder and Director of the Industrial Process Control Sensor Systems Program (IPCoSS) at the University of Maine. He worked as a Research Scientist & Product Manager for Pen Kem during a sabbatical leave from UMaine in 1987-88. Dr. Pendse served as the project director and principal investigator of a particle size and shape distribution sensor project funded by the U.S. Dept. of Energy, Pen Kem, and DuPont from 1988 to 1995. This project culminated in a commercial instrument for particle analysis based on acoustophoresis.

His research activities have included High-Shear Viscosity Sensor, Neural Network for Virtual Analyzers, Paper Manufacture, Wet End Chemistry, Drainage and Retention.

In becoming Department chairman Pendse said "I intend to continue and build upon the long-standing relationship between the Department of Chemical and Biological Engineering and The University of Maine Pulp & Paper Foundation." In addition he will seek to attract more able students to study Chemical and

Biological Engineering at both the undergraduate and graduate levels.

Finally, Dr. Pendse continues his position as the department's co-op coordinator helping to bring together students and employers. For many years there has been a greater supply of job opportunities than students. To solve this issue to the benefit of both companies and students Dr. Pendse has expanded the co-op program to include other University of Maine engineering majors. The response has been an overwhelming success for both companies and students. Pendse said, "the co-op experience allows students to practice theory learned at the University while gaining people skills at work. The advantage of the co-op experience for students has been clear for many years, and especially so now when jobs are relatively scarce."

The UMaine Pulp & Paper Foundation Newsletter is published two times a year by the UMaine Pulp & Paper Foundation, 5737 Jenness Hall, Orono, ME 04469-5737. Peter Duncan, Executive Director, Faye Woodcock-Murray, Editor.