

What a Year! Executive Director's Corner by Jack Healy

First, our students are doing great – we currently have 100 students with full tuition scholarships (30 are first year students). Ninety percent of first year students achieved our grade requirement of 3.0, and maintained their scholarship. New students last fall enjoyed the 1st year welcome dinner with a welcome gift bag from our company members, a Chinn seminar titled “High Fashion, High Tech – Around the World with Release Papers” by SAPPI Paper, the fall scholarship banquet, and a speech by A.D. “Pete” Correll.

We started off with our first Chinn Seminar in 2009 with an overview of the Maine Biorefinery by Dr. Pendse. We had the largest student attendance ever at this seminar with over 70 students filling the Soderberg lecture hall to capacity. During the first two weeks of this semester I met with all 100 students individually in 15 minutes sessions. I can assure you that not only are our students very bright they are also very talented, and personable young men and women.

Applications continue to increase for 1st year scholarships. Last year by April 1st we had 66 applicants – by February 1st of this year we had 77 applicants – a 17% increase, so far! The quality of the students continues to be very good. They present great grades, outstanding SATs and are involved in multiple activities and leadership roles. We credit last summer’s expansion of the Consider Engineering Program from 2 weeks to 3 weeks and an increase from 60 students to 101 students with much of the application increase. We are grateful that the National Science Foundation helped to pay for this expansion. We expect that 23 scholarships will be awarded to students who will be starting in the fall of 2009.

Continued - Executive Director

Scholarship Banquet Speaker, A. D. “Pete” Correll Challenges Students to Bring Change to Our Industry

The UMaine Pulp and Paper Foundation’s annual scholarship banquet was held in September with presentation of checks to 100 students who are preparing for paper industry related careers.

More than \$750,000 will be awarded to scholarship recipients for the 2008 -’09 academic year. The breakdown of recipients is represented as 23 seniors, 29 juniors, 18 sophomores and 30 first year students. By field of study 41 students are studying chemical engineering, 22 students are studying mechanical engineering, 13 students are studying civil engineering, 5 students are studying mechanical engineering technology, and 4 students are studying electrical engineering. Biological engineering, computer engineering, forestry and electrical engineering technology are represented with 3 students in each major. We have one student who is completing a double major in chemical/biological engineering and one student who has not yet declared a major.

Ninety-six students come from Maine towns, one student is from Massachusetts and one student is from New Hampshire. We have two “out-of-country” recipients, one from Nepal and one from India.

A.D. “Pete” Correll, CEO, Georgia-Pacific Corporation (retired) was the featured dinner speaker. In his remarks he told students the industry needs bright new engineers. Correll went on to tell our students there will be endless opportunities for people who position themselves to participate in the paper industry of the future. Mr. Correll challenged our students to move forward into our industry bringing not only new ideas but to also bring change to the industry.

Students also had the opportunity to meet and talk with members of the Foundation’s Scholarship Committee at the reception preceding the banquet. And, for the second year, representatives from many co-op employers were invited to attend our banquet to present scholarship checks to the students who worked at their facilities as co-op and intern students. Pictures of the check presentation are featured in the center spread of this newsletter.

At its meeting preceding the banquet the scholarship committee agreed to offer scholarships to up to 25 incoming first year students in the fall 2009 and to continue to support up to 75 upper-class scholarship recipients for the 2009-10 academic year.



Pete and Ada Lee Correll were able to meet Sarah Muzzy, Sophomore, Chemical Engineering student and recipient of the Elizabeth F. Correll Scholarship at the fall awards banquet.



Executive Director - Continued

From a financial perspective it's been a tough year. Our investments are down 26% at year end with more downside possible as some of our alternate investments, particularly real estate is revalued. In comparison to many, we have done fairly well, but this decline will ultimately result in cuts to Foundation expenses. We have reduced operating costs and university support expenses. As we move ahead, I expect we may need to restructure our scholarships either in number or in the size of our individual scholarship grants.

Hiring of our graduates in 2008 was very robust. In 2009, we have seen some slowing, but we believe that the demographics in our industry remains the same, with many poised for retirement. It will be important that we continue to prepare the best and the brightest for those expected vacancies. Our COOP process was very vibrant this past fall with 19 companies interviewing 47 students. We still have several students looking for COOP positions – please give us a call if you have a coop position available.

I personally thank the company members and individuals who contribute both their money and their time to make our Foundation a continued success. Without you we could not encourage the next generation of Pulp and Paper Mill engineers. Enjoy the rest of your winter, and we look forward to seeing you at Paper Days on April 8th and 9th – IMAGEine the Future – we have a terrific host of speakers lined up.

ANNOUNCEMENT

Please update your email address with us by sending an email to pul-paper@maine.edu. We will check our records and update our files if necessary. This will insure you receive future electronic copies of the *Dandy Scroll*. Thank you.

IMAGEine the Paper Industry of the FUTURE - Paper Days/Open House 2009 - April 8 & 9

Albert B. Moore, Assistant to the President, Buckman Laboratories and Chair of the UMaine Pulp and Paper Foundation's Open House Committee has announced we will once again join together with Northeast Pima (PIMA), and the Maine Pulp & Paper Association (MPPA) to hold Paper Days on April 8 & 9, 2009 here in Orono at the newly renovated Wells Conference Center.

The Theme for Paper Days is IMAGEine the Future. It's a great time to be both taking a look at opportunities for the future of our Industry – the Focus of day 1, as well as the Image of our industry, which will be the focus of day 2.

Governor Baldacci will open Paper Days as our Luncheon Speaker on Wednesday, April 8. Lunch will be followed by talks on energy, nano particles, and the state of our industry. A panel of students will probe ways we can both use the information provided by our speakers, as well as stimulate discussion on ways to improve the future of our industry.

The Pulp & Paper Foundation annual meeting will occur at 3:30 p.m. where a new chairman and president will be elected, as well as a new slate of directors. Interesting discussion regarding the budget and our spending strategy will ensue. The annual meeting will be followed by our cocktail hour where old friends gather to renew those friendships.

Our keynote address will be by Rick Willette, President and COO of NewPage Corporation at

our Awards Banquet on April 8th. NewPage Corporation is the largest producer of coated papers in North America, with major facilities in Maine and Wisconsin. Rick is a native of Maine, having been brought up in Skowhegan.

We anticipate we will also be joined at the banquet by the Blues Brothers for some light hearted entertainment. In addition to the keynote address, the banquet will include the presentation of new named scholarships, honor award, and presentation of two teacher awards. New this year will be an award for the guidance councilor who, as nominated by our students, provided outstanding guidance in pursuing a career as an engineer.

On Thursday we will turn our focus to Image, with discussion on how we are perceived and how we can improve the image of the Pulp and Paper Industry in Maine. We will hear from experts in this field, as well as former UMaine students, teachers and Guidance Councilors. Our guest speaker at lunch on Thursday will tie together the concepts of Imagine the Future and Image.

We look forward to your attendance this year and *lobster is back!* To register please call (207) 581-2297, or send your registration card to UMaine Pulp and Paper Foundation, 217 Jenness Hall, Orono, Maine 04469. Please expect your invitation via e-mail. Registration materials can be found on our website at www.maineulpaper.org - tab - paper days.

P&PF # of 1st Year Applicants - Through 2009



Fraser Paper Announcement:

The Board of Directors approved the appointment of Jeff Dutton, to the position of President and COO, Fraser Papers effective immediately, reporting to Peter Gordon, Chief Executive Officer. Mr. Dutton joined Fraser Paper Company's East Papers Operations and has been actively involved in improving the Company's operating platform.

Jeff is a '86 UMaine Mechanical Engineering Technology graduate and former Pulp and Paper Foundation Scholarship recipient. He is currently President of the UMaine Pulp and Paper Foundation.

AIChE Students Seek Sponsors for Chem Car Competition

The University of Maine Student Chapter of the American Institute of Chemical Engineers has a long tradition with the chemical car competition. During the last three years the car teams have seen great success at both the regional and national levels of competition. In 2006 and 2008 the car team was ranked first in the region. The team went on to compete in the national competition where third and ninth place finishes were achieved. The success of the chemical car teams is a reflection on the level of ingenuity of UMaine engineering students. The benefit of the competition is that it allows the students to be creative while applying technical skills.

In order to maintain the high caliber of this program AIChE needs to raise \$1500 for the construction of the car. If you, or your company is interested in supporting us with a financial contribution, please contact the Pulp and Paper Foundation office at (207) 581-2297. Sponsorship will be acknowledged with logo advertisement on all affiliated competition materials.

19 Companies Conduct On-Campus Co-Op Interviews

Each Foundation scholarship recipient must have a co-op or intern position with a paper producer or supplier in order to keep their scholarship. We find our students are eager to interview with employers. This fall 47 engineering students signed up to interview with the 19 companies who participated in our process. Students interview with as many companies as they want, with a number of them interviewing with every company that visited campus. Interviews are held during the month of October and offers are extended. Students can not accept an offer until all interviews have been completed. Most students had 2-3 job offers and were able to accept the position they considered the best fit for them. If you have an unfilled internship available, we still have students available, please call Jack at (207) 581-2298 or email healy@maine.edu.



Co-Op/Intern Interview Sign-Up Bulletin Board.

First Year Scholarship Recipients Honored at Dinner and Presented "Welcome" Gift Bags

Thirty first year Pulp and Paper Foundation scholarship recipients were welcomed to campus by UMaine Pulp & Paper Foundation staff and several upper-class scholarship recipients who were invited to share their experiences and to answer any questions asked by our students.

Prior to the dinner Jack provided Pulp & Paper Foundation guidelines for students to maintain their scholarships. It's a great opportunity to insure that everyone is on the same page and that no student is surprised - of 2008's incoming first year class, 90% maintained their Pulp and Paper Foundation scholarship.

The reception and dinner gives students the opportunity to meet other first year scholarship recipients. In many cases friendships are renewed as students discover they know each other from our "Consider Engineering" program that most had previously attended.

After dinner students were welcomed by UMaine Engineering Dean, Dana Humphrey, who told the scholarship recipients his door is always open and he is readily available to them if they should find they need his help.

After the dean's comments, Jack invited students to ask questions of upper-class scholarship recipients who were attending the dinner to offer their insight and assistance. Questions ranged

from how to manage classes, study time and free time to what types of things are available for free time activities.

Before leaving the students were each presented with a "gift bag" filled with goodies from Foundation company members. Companies participated by donating items the students would find useful with their company logo on them. Companies making donations were Buckman, Cianbro, Dow Chemical, Fraser Papers, GAC Chemical, Madison Paper, Metso Paper, Mohawk Paper, Newpage Corporation, Procter & Gamble, Safe Handling, Sappi Fine Paper, SCA Americas, and Verso Paper. This is the second year we have distributed gift bags to incoming first year students.



Foundation company members donated logo items to go into gift bags for incoming first year students.

Chinn Engineering Management Seminar Series Kicks-Off Spring Semester with BioRefinery Update

Hemant Pendse, Chair, Chemical and Biological Engineering was the first Chinn Engineering Management Series presenter this spring. Pendse's program titled, "The Maine BioRefinery" addressed UMaine's progress to date: What the BioRefinery means to Maine; How the BioRefinery and Maine's paper industry will work together; and the status of the NEW technology center in Old Town, ME.

Pendse told our audience that UMaine's efforts in biofuels from forest biomass focus on both biological and thermochemical conversion pathways leading to green gasoline, green diesel, as well as alternative fuels such as ethanol and

butanol. Uniqueness of the UMaine approach comes from its leadership in an integrated forest biorefinery platform that builds on existing forest products industry infrastructure in wood handling, steam and power generation and waste treatment.

The Jack E. Chinn Engineering Management Seminar Series offers students exposure to management topics they would not otherwise encounter in their classes at UMaine. Foundation members or friends who would like to present a seminar are encouraged to contact Jack Healy by calling (207)581-2298 or by sending email to healy@maine.edu.



Hemant Pendse kicks off the spring semester Chinn Management Seminar Series with a presentation about The Maine BioRefinery.



Scholarship Check Presentation Highlights

The UMaine Pulp and Paper Foundation's annual fall scholarship banquet was held in September with presentation of checks to 100 students who are preparing for paper industry related careers. For the second year, representatives from many of the companies who hire scholarship recipients as co-op or intern employees were invited to Orono to present their students with scholarship checks. Our corporate members enjoy meeting their students in a casual setting over dinner and our students enjoy the opportunity to get to know more about their employers. Many of the students stopped by the office to tell us how much they enjoy having the opportunity to talk with their employers over dinner and have asked that we continue to invite employers to the banquet each year.



Dana Dolloff (fourth from left) Rayonier (retired) and scholarship donor



Peggy Gray (left) and Al LaBonty (right) Sappi Fine Paper, Westbrook, ME



Michael Farrington (fourth from left) from Verso Paper, Bucksport, ME



John Wolanski, (right), Safe Handling, Auburn, ME



Ada Lee Correll (fourth from the left), scholarship donor



A.D. "Pete Correll (second from the left) Georgia Pacific (retired) and scholarship donor



Mark Lenentine (left), Buckman Labs.



Annette Smith-Wright (fourth from the left), Lincoln Paper & Tissue



Dale Wibberly, (right) Sappi Fine Paper, Skowhegan, ME



Donn Vernal (center), Sappi Fine Paper, Westbrook, ME



Dick Jackson (right), Verso Paper, Jay, ME



Eric Rolfson (right) University of Maine Development Office



Michael Reider (right), Katahdin Paper, Millinocket, ME



Janet Hall (right), Kelli Carrier (left), NewPage Corp., Rumford, ME



Albert Moore (fourth from right), Buckman Labs and scholarship donor



Membership Committee Welcomes New Foundation Members at Fall Meeting

Pulp and paper industry suppliers, members of Northeast PIMA, Maine/New Hampshire TAPPI, the Maine Pulp & Paper Association (MPPA) as well as University of Maine alumni - now Verso employees - attended a mill open house and luncheon as part of the Pulp and Paper Foundation's Membership Committee's "mini-open house" meeting.

"The mill meeting and tour was the largest group in attendance since we started organizing mill luncheon meetings five years ago. More than 100 attendees met in the Sugarloaf conference room for a working lunch followed by a mill tour," said John Wolanski, Chair of the Foundation's Membership Committee. Dick Jackson, VP and Mill Manager was the featured speaker.

Mill luncheon meetings are held quarterly across the state at various mill locations or on the University campus in Orono. The mission of the UMaine Pulp & Paper Foundation is to prepare young people for careers in the Pulp & Paper industry. These meetings support the foundation and the network to showcase work in the industry.



Established in 1996, Hydro Technologies (Canada) Inc. is a company that manufactures two chemicals: liquid sodium hydrosulfite (SHS) for the pulp and paper industry and zinc oxide for the rubber industry. It was the first Canadian plant to produce these two products from the same chemical reaction, making it a pioneer in this field. Based in Quebec Metro High Tech Park, the plant is strategically located in the heart of the North American paper market.

Because of its hydrosulfite solutions that are highly efficient and ready to use, HTCI quickly became very popular with the region's paper mills. From its very first delivery the company has had an exemplary growth, becoming a very important liquid SHS producer in the North-east.

Since its start-up, HTCI has carved out an enviable position on the hydrosulfite and zinc oxide markets, not only as a result of the performance of its products but also due to the outstanding quality of its technical support team. HTCI owes much of its success to its innovative business vision: *Providing unparalleled technical support to our clientele will, in the long run, not only ensure their prosperity but also our business partnership.*

On behalf of Hydro Technologies (Canada) Inc., we are proud to support the UMaine Pulp and Paper Foundation and its students. We view our contribution as an opportunity to strengthen the Pulp and Paper Industry in Maine by developing the future leaders of the industry.



Quadra is a Canadian marketer and distributor of specialty, commodity and fine chemicals. Quadra serves, amongst others, the following markets with a wide range of products and services:

- Industrial & Institutional Specialties
- Food
- Coatings, Adhesives & Sealants, Elastomers
- Pharmaceutical & Nutraceutical
- Gas Processing, Petroleum Refining & Services
- Mining & Smelting
- Animal Feed
- Chemical Manufacturing
- Soluble & Liquid Fertilizers
- Pulp & Paper

Consistent with our specialization, our commercial sales and marketing teams include, but are not limited to chemists, engineers, and food technologists that are armed with a unique ability to understand your market and your point of view. In partnership with our key suppliers, we can offer technical expertise and winning solutions.

Due to our national marketing structure, industry focused business groups and our seamless supplier relationships, we have a more global understanding of your product markets and can add value by being a more effective and reliable supply chain partner.

Quadra offers both specialty and commodity products to the pulp and paper industry. We would welcome the opportunity to dialogue with you about your pulp and paper needs.



Woodard & Curran is a 500-person, integrated engineering, science and operations company. Privately held and steadily growing, the firm serves public and private clients nationwide.

From its environmental roots to the range of consulting, engineering, and operations expertise the firm provides today, Woodard & Curran works for a diverse clientele - including industrial clients in the food & beverage, pulp & paper, and other manufacturing settings, as well as colleges and universities, municipalities, and the real estate community.

At the heart of Woodard & Curran are its talented people whose commitment and integrity drive results for clients everyday.



Attendees at Pulp & Paper Foundation Membership Committee meeting and luncheon held at Verso Paper, Jay, ME.

Visit us on the web at
www.maineulppaper.org

Twenty-Three Seniors Ready for Employment - Resumes Available On-Line

For the second year we are pleased to announce we have published our annual "Candidates for Placement" brochure electronically offering the opportunity to feature full resumes and pictures of graduating scholarship recipients. This allows our company members immediate access to the resumes of our graduating class.

Student breakdown by discipline is as follows: 11 chemical engineering; 5 civil engineering; 4 mechanical engineering; 2 electrical engineering technology and 1 mechanical engineering technology student.

Every senior featured is a Pulp and Paper Foundation scholarship recipient and all have had paper industry related co-op or intern experiences, many with Foundation company members. Some students have work related experience in several different mills.

The electronic brochure has been expanded this year to feature all Pulp and Paper Foundation scholarship recipients. Sophomore and Juniors are featured with resumes, while first-year scholarship recipients are not required to post a resume.

Featuring our students in this format will allow Foundation company members access to resumes of students they may want to employ as co-op or summer interns.

To learn more about graduating seniors and their technical abilities, or to obtain access to our website, contact Jack Healy, Executive Director at 207/581-2298 or send an email to: healy@maine.edu.

If you have an item for
ALUMNI PERSONALS
please contact Faye Woodcock Murray
at the Foundation Office
telephone (207) 581-2297 or email
woodcock@maine.edu

Alumni Personals

Richard "Dick" Picard, '75, has joined Quebecor World in Montreal, Quebec as their Continuous Improvement Manager.

John Renaud, '82, has been named Chairman of the Aerospace and Mechanical Engineering Department at the University of Notre Dame.

Ted Kennedy, '83, has been named Director New Product Commercialization and Trial Management, Tissue and will lead Georgia-Pacific's new Quality and Commercialization group serving NACP businesses and tissue, towel and napkin manufacturing.

Denice L. Carsley, '92, is now a Senior Research Engineer with DuPont Company at their Richmond, VA facility.

Michael A. LaVerdiere, '93, has been promoted to Manager Finished Products, Verso Paper, Jay, ME.

Joshua B. Mathews, '98, has joined Katahdin Paper Company, LLC as a Sr. Process Engineer at their Millinocket, ME facility.

Newsorthy



John Donahue, '80, Vice President Manufacturing, Sappi Fine Paper NA (left) was inducted into UMaine's Francis Crowe Society as a distinguished engineer by Dana Humphrey (right), Dean, College of Engineering.

The purpose of the Francis Crowe Society is to recognize UMaine engineering graduates as they accomplish the formidable goal of completing their engineering degrees and to recognize others who have made considerable engineering contributions and honored the profession.

The society is dedicated to each graduating class of engineers in anticipation of the future contributions they will make to society while practicing their profession and to the families of these new engineers who have supported their sons, daughters, spouses, partners, and friends towards the achievement of their academic goals.

The FBRI Technology Center, University of Maine

The University of Maine has served its land grant mission for over 140 years, fostering the growth and sustainability of Maine's vital forest and agricultural resources. Now, thanks to a \$4.8 million award from the Maine Technology Asset Fund (see photo), a new technology center will be created that will develop and bring to market the emerging technologies necessary to meet the energy and economic challenges of the future. The new FBRI Technology Center (see architects rendering below) will bring together the creative and entrepreneurial expertise of Maine's universities, non-profit research laboratories, and for-profit businesses to support Maine's evolving bio-resource economy. This world-class facility will integrate high bay commercialization space with laboratories, offices, and collaboration spaces to:

- Demonstrate and validate newly developed biomass conversion technologies
- Pioneer the development of biofuels, high value chemicals, and specialized materials (such as biopolymers) from sustainably derived biomass
- Commercialize new products and processes more efficiently and bring them to market rapidly
- Pilot new projects at industrially significant scales

Modeled after the UMaine Process Development Center and its highly successful service to industry, the FBRI Technology Center is expected to attract potential collaborators from around the world. The Center's research staff, engineers, scientists and technicians as well as its state-of-the-art equipment will be available to developers on a fee-for-service basis. It will serve as a site for 'one stop shopping' for research, product development, and commercialization of products

and processes that use woody biomass or forest- and agriculture-derived feedstocks.

The Center will boost the state's economy by creating and sustaining high paying jobs in Maine's technology sectors and will serve as a catalyst for the emerging "Green Products" cluster. The broad benefits of the Center and its service to the community include the creation and support of spin-off businesses, the training of equipment operators, the generation of patents and licensing fees; and increased revenues to host mills where the new technologies are employed. Industrial benefits include the integration of extraction processes in OSB/OSL mills and biomass boilers, the deployment of bio-plastics derived from forest and agricultural feedstocks, development of nanocellulose and its incorporation into specialized composites, and improved extraction of high value products from wood and other biomass.

The Forest Bioproducts Research and Technology Center is expected to be up and running by 2010. Additional information is available from Mike Bilodeau (207) 581-2387 or Hemant Pendse (207)581-2290.



Dr. Hemant Pendse at biorefinery press conference.



Architectural drawing of New FBRI Technology Center.

Return Service Requested

“Consider Engineering” Program will Celebrate its 40th Year in July - 102 Students Will Be Invited to Participate in 1 of 3 Sessions.

The Pulp and Paper Foundation first offered the introduction to engineering program known as “Consider Engineering” to academically gifted students in 1969. Over the years the program has helped more than 2,500 capable students to experience being a college student while learning about engineering career opportunities and challenges. This July will mark the 40th year the UMaine Pulp and Paper Foundation has offered this unique summer program.

Last year the decision was made to expand the program by adding an additional week and increasing enrollment each week from 30 to 34 students. We are pleased to announce we will once again offer 3 segments of Consider Engineering. Our program will run from July 12-15; July 19-22; and July 26-29, 2009, allowing us the opportunity to invite up to 102 students to participate in our 2009 program.

The program provides students with a four-day college experience consisting of more than 2 dozen activities involving engineering experiments, problem solving challenges and discussions with University staff, students and practicing engineers. Participants receive experiences and information to help them make college and career decisions and receive considerable personal satisfaction from meeting new challenges and developing long-lasting friendships.

Highlights of the program include a “student panel” session presented by current UMaine engineering students and our “I AM an Engineer” game where students are given practical engineering challenges to solve.

Admission to the program is highly competitive. Students chosen to attend are among the best in their schools and will have completed a three year college prep sequence of classes in both math and science. Students will be selected competitively based on their high school grades, ability to write a letter of application to the program, and on the strength of a letter of recommendation provided by a teacher.

The University of Maine Pulp and Paper Foundation covers all program costs except transportation to and from the program.

Program brochures and applications and a Consider Engineering poster have been mailed to high school guidance directors across the state. Applications have also been sent to high school math and science teachers who have written letters of recommendation for students attending the program in past years. We also feature a downloadable brochure and application on our website at: www.maineulpaper.org, once there click on the Consider Engineering tab. Deadline for applying to the program is May 1, 2009. Admission decisions will be announced on or before May 31st.



Wendy White, Process Engineer, Verso Paper's, Bucksport, ME mill explains the papermaking process to Consider Engineering participants.

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