

Executive Director's Wire

by Jack Healy

2013 is quickly passing. The blur of Paper Days preparation and Paper Days itself, followed by PaperCon, then Graduation at UMaine and our students off on their TREE trip has made this spring fly by. Consider Engineering Applications came in at a furious pace at the very end of April, alleviating fears that we would not have enough applicants, culminating with a new Consider Engineering applicant record of 187.

The Halls of Jenness have gone quiet, and the class of 2013 has left on their career journeys, and underclassmen have headed to internships, co-ops, home, or maybe even Finland. Faye and I will miss these seniors. The class of 2013 had a quiet confidence, a class that seemed to know where they were headed.

Laura Duran, and Richard Qualey, two of our seniors spent many hours as leaders of the Student Chapter of NE TAPPI/PIMA helping to plan and organize the TREE Trip (page 15). They should be commended for doing an outstanding job, and committing so much time for a trip that they are not participating in.

In addition, Greg Radney of Metso has done yeoman's work in making connections, planning routes, and helping with

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Senator Angus King

April 4th, 2013

Paper Days Keynote

"This Foundation and this relationship between the industry and the University is one of the greatest examples of how this could and should work in the whole country - I haven't heard of anything else that reaches this level of co-operation and exchange of information. This is really how these things should work - it is so important because universities can be isolated."



More Than 360 People Participate in Paper Days 2013 - Largest Open House Ever!

Paper Days was a whirlwind of excitement and catching up with old and new friends. Some of the events that took place during Paper Days were:

- The dedication of the new Cellulose Nanofiber Pilot Plant.
- The celebration of the 25th anniversary of the Process Development Center (The Pilot Plant).
- The tour of the PDC and the AEW

- Senator King's speech (pages 1 & 3)
- The presentation of a \$100,000 gift by Sappi to kick off our \$2,000,000 campaign (pages 1 & 6).
- Presenting Barbara Hamilton with the Honor Award (page 5).
- Presenting Dwane Hutto and Andy Sheaff with the Genco Award (page 4).
- Recognition of four new company members (page 3).
- The presentation of 3 new scholarships, and 2 USA Scholarships (page 7).
- A tour of the Technology Research Center in Old Town
- A Panel discussion on the changing landscape of US energy.
- And a presentation on sustainability by Fred Clark of Akzonobel.

Sappi Paper Donates \$100,000 for Scholarships



Pictured from left to right are John Wolanski, Vice President, GAC Chemical; Paul Ferguson, President UMaine; Angus King, US Senator; Mark Gardner, President & CEO, Sappi Paper; Jack Healy, UMaine PPF; John Donahue, Vice President Manufacturing, Sappi Paper; Mike Higgins, UMaine Development and Jim Page, Chancellor, University of Maine.

A new record of 361 attendees was recorded. "This Paper Days was a bit more complex than past events due to being in four separate locations" said Jack Healy, Executive Director of the UMaine Pulp and Paper Foundation. However, everyone enjoyed getting to see and learn more about UMaine, and the tremendous capabilities that we have here."



Strategic Planning Committee Recommends Upgrades To Our Strategic Plan

Our Executive Committee in 2011 chartered a group to review and update the strategy of the University of Maine Pulp and Paper Foundation. We brought together a team that included all of the customers of the Foundation, including recent graduates, HR managers, manufacturing leaders, teachers, donors, suppliers, and university representatives. The group's charge was to evaluate the current bylaws (strategies), and recommend needed upgrades to keep our foundation's direction fresh and relevant, and report back to the Executive Committee by early December of 2012. With the help of a great facilitator, Good Group Decisions, we were successful in meeting our goals and timeframe.

This group met four times and evaluated the current state of the Foundation and its goals. Overall we found that our basic structure and direction was sound, however, language and a few areas needed to be modernized and upgraded.

Some of the key assumptions recognized by the group were:

1. We really cannot predict the number of pulp and paper mills that will be operating in 10-20 years, however there is a belief that a strong pulp and paper industry will exist in Maine well into the future.
2. The need for engineers to support the industry will continue to be strong and opportunities for advancement will also be strong.
3. As interest in pulp and paper engineering has grown, we need to ensure that we have opportunities for those engineers both in Maine, New England, and across the United States.
4. A key component of supporting a broader geographical area is ensuring that we have a strong diversity outlook.
5. The quality of our students has been terrific, however, we need to ensure that the skills and attributes of our students continues to be second to none. Some of these skills include a global perspective, and Six Sigma Training.
6. The Foundation really has an engineering focus, and forestry, although very important, has become a minor

portion of our charge. Mills now own very little forest land, and due to a very large gift from Mr. Houston to the University for forestry, forestry students have the resources available to provide the number of foresters required.

The major general conclusions for change were:

- a. Focus solely on engineers, and reduce any emphasis on forestry.
- b. Move the term purpose to mission, and objectives to goals.
- c. Broaden our reach by increasing efforts beyond the borders of Maine.
- d. Focus on increasing diversity by developing and implementing activities that encourage both minorities and women to be aware of, and apply to both Consider Engineering and our Scholarship.
- e. Develop a plan and implement methods to ensure our students are well prepared for a career in our industry.
- f. Increase our emphasis on fund raising, and increase our endowed funds for scholarships by \$2,000,000 to support 10 more students each year.

Overall, the Strategic Planning Committee found that the basic strategy of the foundation was sound and continues to be valid. The minor changes proposed will keep us relevant and fresh, and the updated strategy will continue to support our students in a bold and challenging way.

The Strategic Planning Committee has done a thorough and terrific job and should be commended. Their insistence that we share the new strategy with Foundation committee members and Foundation members, take our time to do a quality job, and get feedback has made this strategy sounder and stronger.

A summary of the Strategic plan and the proposed changes in our bylaws can be found on our website at www.maineulpulpaper.org. If you would like to be kept abreast of changes posted on our website as we move forward please send an e-mail to healy@maine.edu.

We expect that our Board will vote on this proposal prior to September 1, 2013.

Continued - Executive Director's Wire

fund raising. I'm not sure this trip could have been as successfully planned without his and his Metso team's support. Thanks Laura, Richard, and Greg from the Pulp and Paper Foundation – your efforts are recognized and appreciated.

Part of our updated strategy is to provide avenues for student Global awareness. This trip is the first of what we hope will be many opportunities for our students to gain knowledge about cultures and business practices worldwide. What happens to the paper business in Brazil, Europe, and China, matters to our paper business in North America. Gaining a global view will improve our student's business acumen, improve their network, and widen their career perspective. It can only lead to a more rewarding and successful career.

We are also pleased that the student chapter of TAPPI/PIMA has elected an International Trip Chair – Jon Lee. Jon will be traveling to Finland on the TREE trip. I expect that he will be excited to begin planning the next trip for 2015. If anyone is interested in contributing to this effort please send donations to the UMPPF designated for "student international trip".

As we head toward summer and Consider Engineering, we wish all of you a safe summer. During vacation travels – please stop by Orono and visit our offices if you should happen to make your way through Maine.

Best Wishes our 2013 UMaine Graduates



Stopping to pose for a quick picture at graduation are Richard Qualey (left) and Laura Duran (right). Congratulations to all of our graduates, we wish you the best of luck.

Maine Senator Angus King Speaks at Paper Days

We were very fortunate this year to have Maine's Senator Angus King (I-Maine) as our keynote speaker. Senator King addressed the group gathered to dedicate the cellulose nanofiber project, then met with industry leaders for 20 minutes prior to addressing the Paper Days banquet crowd of 361 attendees.

The senator talked about a number of items and took questions from the audience. Some of the senator's comments were:

- This has been the hardest I have worked in my life. It's a phenomenal opportunity. I am happiest when working hard with other people on things that are worthwhile.
- \$1 out of every \$5 in Maine comes out of the forest. It is so important to the cultural and financial well being of the State to keep this industry strong. The students and the Foundation are part of the economic engine of Maine.
- Innovation, Invention, and Research are the key to it. R&D takes time – it requires a consistent level of support with a long term investment.

- The US government R&D funding is low for pulp and paper when compared to pulp and paper being 6.2 % of GDP.

- The size and scope of the federal government is the debate.

- The federal budget has been 18-20% of GDP for the last 50 years. The Ryan budget would take it down to 16%. The Democrats think it should be in the 21-22% range based on demographics (an older population).

- The atmosphere in Washington is not as poisonous as I expected. The personal atmosphere is not as contentious as we all thought. There are green shoots of hope – as an independent senator I am trying to find common ground.

- There has been a little bit of progress – The appropriations bill passed w/o drama – a sign of progress. We can't deal with the country's problems from a partisan perspective.

- The budget debate is focused on the core values of the two parties – the republicans want no more revenue – period, and the democrats want no messing around with entitlements – period – yet to solve the

budget problem its probably going to take a little bit of both.

- The problem with the federal government is the cost of health care. We pay 2 times as much as anyone else in the world and the results are 17th in the world.

- It's crazy to decrease investment in R&D and infrastructure. We cannot beat the world if we continue to squeeze R&D.

- R&D is the heart of the economy.

- Maine has a gold mine of fiber. The partnership between UMaine and the fiber industry is one of the most important parts of our infrastructure here in Maine. We are just beginning to find ways to use fiber – I am looking forward to support this effort from Washington.

To see Senator King's speech, the cellulose nanofiber dedication, or the Sappi Scholarship presentation please go to www.maineulpaper.org and find the links under the Paper Days tab.

New Company Members Introduced at Paper Days

Foundation Membership Committee Chair John Wolanski started the announcement of new company members by introducing Jef Howell of Verso Paper as the incoming Membership Committee Chair at the Paper Days Honors banquet. The presentation continued with the introduction of five new corporate members and presentation of membership certificates to the company representatives.

Joining the Foundation as Company Members in 2013 were: Dalegip America, Kean Engineering, PanAm Railways, Penford Products and Woodland Pulp. John and Jef both welcomed our new members for their support.

We would like to welcome our new company members and to say thank you to all companies who are current members of our Foundation. Your annual donations help to fund our scholarship program and ensure we are recruiting your future engineers.



Executive Director, Jack Healy (left) is shown presenting a scholarship check to Kelsey Bolduc a chemical engineering sophomore from Oakland, ME. At the start of the spring semester each year, scholarship recipients meet with Jack to discuss any issues or concerns.



University of Maine Pulp & Paper Foundation Senior Scholarship Recipients were called to the stage and introduced to the audience as part of the 2013 Paper Days Honors Banquet. Each student was presented a pen and pencil set made of wood and engraved with the Pulp & Paper Foundation logo.

2013 Genco Award Presented to Two Deserving Recipients

University Support Committee chair, Jeff Hamilton surprised two audience members with the presentation of the 2013 Genco Award at the Paper Days Honors Banquet.

The Joseph M. Genco Award was created to recognize a University employee who has demonstrated exemplary support of the Pulp and Paper Industry through

either outstanding research that has the potential to significantly improve the industry, and/or through innovative student recruitment to help provide the next generation of engineers to our industry.

In making his presentation, Jeff Hamilton said, "this year the recipient of the Genco Award is actually two recipients. Both of our awardees have participated in the Con-

sider Engineering summer program for many years."

The first presentation was to Andy Sheaff, Electrical and Computer Engineering Systems Administrator/Lecturer. Andy energizes students and students always come away from his innovative engineering project demonstrations enthused and ready to sign up. In addition to running an engineering experiment he freely gives of his own time to help with the paper boat races. During each Consider Engineering week students rate each segment of the program. Last summer the ice cream social was rated 3.3 while Andy was rated a perfect 4.0 by students participating in the program.

The second presentation was to Dwane Hutto, Forest Bioproducts Research Institute Project Manager. Dwane has conducted an experiment designed to teach our chemical engineering principals. In addition he has participated as a judge in our Consider Engineering Humpty Dumpty Challenge. Dwane is also responsible for tours of the Chemical and BioEngineering Department to prospective high school students. During these tours he consistently promotes the Consider Engineering program and the UMPPF scholarship program to prospective students.



Dwane Hutto (left) and Andy Sheaff (right) pose for a picture after receiving the 2013 Genco Award at the 2013 Paper Days honors banquet.

2013 Foundation Honor Award to Barbara Kerr Hamilton



Chair of the Foundation's Honor Award Committee, Roy Barry presents the 2013 Honor Award to Barbara Kerr Hamilton.

The UMaine Pulp & Paper Foundation's highest honor, The Honor Award was presented for the 63rd time at the Paper Days Honors Banquet. This year, Barbara Kerr Hamilton was the recipient. On hand to make the presentation was Honor Award Committee Chair, Roy Barry, and Executive Director Emeritus, Stan Marshall.

Stan started the introduction by telling the audience he first met our Honor Award recipient 35 years ago when she was a high school junior participating in the Consider Engineering program. Stan went on to say, "When Barbara came to Orono I happened to be in the Chemical Engineering office as she came in and I had the opportunity to introduce her to Art Fricke, the department chair, as one of the very best students we have ever admitted, and, in my opinion, that is still true today." Stan then turned the mic over to Roy Barry who continued the introduction with a summary of Barbara's career accomplishments since her graduation from UMaine.

Next, Roy presented Barbara with the Honor Award citation and told the audience, "This Honor Award is presented as a token of our deep appreciation and to recognize Barbara for many valued contributions enhancing the University of Maine's reputation for excellence throughout the paper and related industries."

Scholarship Committee Presents Two 2013 Teacher Awards at Paper Days Honors Banquet

Paper Days 2013 provided the backdrop for the presentation of the UMaine Pulp & Paper Foundation's 2013 Teacher Awards. This year marks the 20th time the awards have been presented to outstanding educators. Each spring current scholarship recipients are solicited and asked to nominate math and science teachers or guidance counselors from their high schools who have been, not only great teachers, educators and mentors, but also inspirational

in guiding their students. In past years the awards were presented for Inspirational Teaching and for Innovative Teaching. This year, both teacher awards were for Inspirational Teaching.

Kathi King a math teacher from Messalonski High School was nominated by Kelsey Bolduc and Nick Ferguson, both chemical engineering scholarship recipients. In her narrative to the Scholarship/Educational Relations Committee, Kelsey

said, "Mrs. King is a wonderful person and educator. I have been back to visit her multiple times since graduation and she is always so thrilled with how well I am doing in my college courses. Without all of her teaching and guidance throughout my high school career I do not think I would be where I am today. Because of her I was able to discover that engineering was for me and UMaine was where I wanted to be."

Robert Taylor, Science Teacher at Spruce Mountain High School was nominated by Alexi Deering a chemical engineering scholarship recipient. In her nomination letter Alexi said, "When it became time for a college decision and major choice, I instantly sought the advice of Mr. Taylor. I was opposed to attending UMaine and had no idea what career path I should follow. He showed me the pros and cons of UMaine and helped me to think rationally and objectively. He was able to guide me in a sensible way quite different than my parents, siblings and friends. He suggested the path of engineering and told me about a scholarship that existed for full tuition for chemical engineering at UMaine. I discovered that UMaine was exactly what I was looking for. Thank you Mr. Taylor."



Pictured (left to right) Kelsey Bolduc, '16, ChE from Oakland, ME; Alexi Deering, '16, ChE from Jay, ME; Robert Taylor, Science Teacher from Spruce Mountain High School; Kathi King, Math Teacher from Messalonski High School; Nick Ferguson, '16, ChE from Sidney, ME; and Scholarship/Educational Relations Chair, Lee Marshall from Sappi Paper's Somerset mill.



Sappi Fine Paper Kicks off Fundraising Campaign with \$100,000 Gift

by Mike Higgins, Senior Development Officer

Sappi Fine Paper North America has made a lead gift of \$100,000 to the University of Maine Pulp and Paper Foundation's new fundraising campaign. The campaign, announced at the annual Paper Days awards dinner on April 3rd, seeks to raise \$2 million to support expanded scholarships for undergraduate engineering students planning careers in the pulp and paper and related industries.

Mark Gardiner, President and CEO of Sappi, North America, presented the check to Foundation Executive Director Jack Healy following a key note address at the dinner by Maine Senator Angus King, Jr. "Our relationship to the Pulp and Paper Foundation, the College of Engineering and the University of Maine overall has just been excellent," said Gardiner. "The campaign offers a wonderful opportunity for our company and others to partner with the University of Maine in supporting students pursuing careers in an industry that continues to be a powerful economic engine for Maine."

Sappi has supported the University of Maine Pulp and Paper Foundation since its inception in 1950. The company is a member of the Foundation, supports the Consider Engineering Program, provides internship and co-op positions for engineering students, and ultimately hires many UMaine engineering graduates. Former recipients of foundation scholarships work at all levels of leadership throughout Sappi's two Maine-based mills in Skowhegan and Westbrook, and across the company in North America.

"We're thrilled with the gift, and with the leadership role Sappi is playing by stepping forward with the donation just as we announce the campaign," said Healy. "The demand for skilled engineers from UMaine is high, and the campaign will help us increase scholarship support for some of the University of Maine's very best students." In addition to the Sappi gift, GAC Chemical President David Colter announced a company pledge of \$10,000 to the campaign, and Dana Dolloff, a 1963 UMaine graduate and past pulp and paper scholarship recipient, increased his named scholarship in honor of his parents (Richard and Erdine B. Dolloff) to the USA level of \$50,000. Other scholarships announced at the awards dinner in-

cluded a new named scholarship from Barbara Hamilton in honor of her grandmother, Ethel G. Kerr, a second scholarship from the family and friends of Winship 'Chip' Moody in honor his 80th birthday, and a gift from Robert Touchette that increased the scholarship in honor of his father, Joseph W. Touchette, to the USA level of \$50,000.

"We will be forever grateful to Sappi, GAC, Dana, Barbara, Bob and the Moody family for these gifts," said Healy. "Not only are they wonderful gifts to a great cause, but they come at the very beginning of the most important Foundation initiative in many years. The Board and I believe there is powerful support from businesses and individuals for the Foundation's work, and these gifts both demonstrate that support and show the way for others who want to support some of the best engineering students in the country."

The Foundation fundraising campaign now begins in earnest, said Mike Higgins, the Senior Development Officer working with the Foundation on the campaign. "The Pulp and Paper Foundation is the strongest of its kind in the country," he said, "and supports a mature industry with deep ties to the University of Maine. That, and the many individuals who have supported the Foundation

for years and years, creates a deep base of support – just the kind of support needed to undertake a campaign like this. We think the value the Foundation provides is unmatched, and hope its many friends will consider playing a role in supporting this effort."

Over the next several months Higgins, board members and other friends of the Foundation will be reaching out to businesses and individuals to talk about the Foundation's goals. Gifts of all kinds will be welcome, with an emphasis on establishing new scholarships and adding to additional scholarships, said Higgins. "Funding Named Scholarships (at \$10,000) and USA Scholarships (at \$50,000) are two key current options for individuals and businesses," said Higgins, "and the board will be asked soon to approve additional scholarship levels, likely at \$25,000 and above. The wonderful thing about a fundraising campaign spanning 5 years is that donors can structure payment over a 3 to 5 year period, if they wish," he said.

Individual annual fund contributions will also be key to the campaign, said Healy, and supporters should be on the lookout for a mailing from the Foundation later this spring describing the campaign and how they can support this effort.



Pictured from left to right are Mark Gardner, President & CEO, Sappi Paper; John Wolanski, Vice President, GAC Chemical; Angus King, US Senator; Paul Ferguson, President UMaine; Jack Healy, UMaine PPF; John Donahue, Vice President Manufacturing, Sappi Paper; Mike Higgins, UMaine Development and Jim Page, Chancellor, University of Maine.

Pulp & Paper Foundation Endowed Scholarships Presented at Paper Days Honors Banquet

One of the highlights of the Paper Days Honors banquet each year is the presentation of new Named Scholarships to the Foundation. This year we are pleased to announce the establishment of 3 new Named Scholarships and augmentation of two existing scholarships to the USA Scholars level.

Sappi Paper's Mark Gardner, President & CEO, presented the Sappi Scholarship.

Barbara Kerr Hamilton, '82, ChE, presented the Ethyl G. Kerr scholarship to the surprise of her family and in honor of her grandmother.

Shawn and Thad Moody presented the Winship B. "Chip" Moody, Sr. Scholarship given as a surprise by family and friends in honor of Chip's 80th birthday. Chip is a former scholarship recipient and member of the ChE class of '55.

Dana Dolloff, '63, ChE presented the Richard C. and Erdine B. Dolloff USA Scholars Fund, and also stood in for Robert Touchette, '53, ChE presenting the Joseph W. Touchette USA Scholars Fund.

If you would like more information regarding the establishment of an Endowed Scholarship, please contact Jack Healy, Executive Director by calling (207) 581-2298 or, alternatively, you can reach Jack by email at healy@maine.edu.



Shawn and Thad Moody present the Winship B. "Chip" Moody Scholarship at Paper Days.



Barbara Kerr Hamilton proudly holds up the Ethyl G. Kerr Scholarship Plaque.

Pictured below are the Richard and Erdine Dolloff and the Joseph W. Touchette USA Scholars Fund plaques presented at Paper Days 2013.



Presenting the Sappi Scholarship Fund is President and CEO Mark Gardner (left). Also pictured (left to right), Jack Healy, John Donahue, and Mike Higgins.

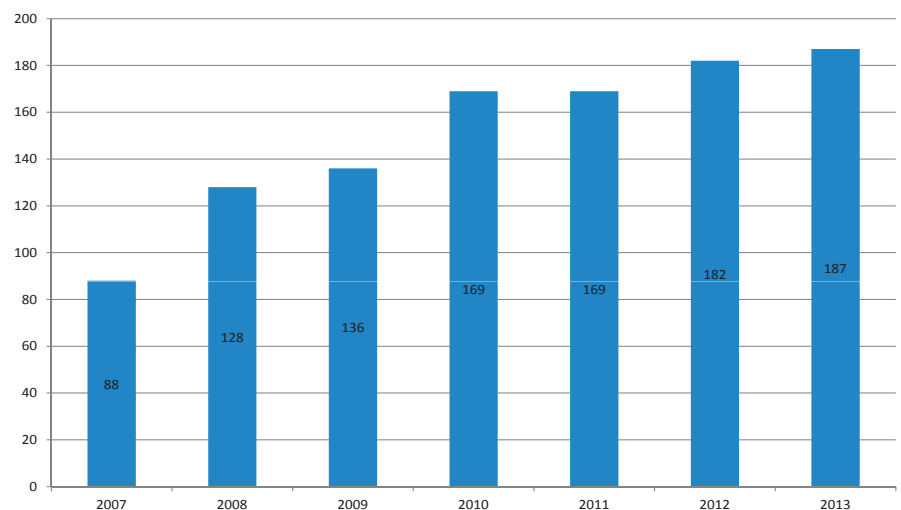
Consider Engineering Summer Camp Receives Record 187 Applications

Once again we will offer our Consider Engineering program for three consecutive 4-days sessions in July. This year we have a record 187 applications from students completing their junior year of high school.

The Foundation first offered the program in 1969. Over the years the program has helped thousands of capable students discover the world of engineering and learn what it will be like to be a college student at UMaine. Highlights of the program are the ever popular "I AM an Engineer" game, a mill tour and introduction to current UMaine engineering students and professors.

As this newsletter goes to press the selection committee is busy reading and evaluating each student's application. Invitations to participate in the program will be sent by the end of May.

Consider Engineering Applicants -





2013 Paper Days Picture Highlights





2013 Paper Days Picture Highlights

UMaine's New Cellulose Nanofiber Pilot Plant

This year at Paper Days, UMaine celebrated the opening of the Cellulose Nanofiber Pilot Plant, the newest addition to the Process Development Center (PDC) at Jenness Hall. The new pilot plant was funded through a joint venture with the USDA Forest Service and is the only one of its kind in the U.S.

The facility will be able to provide samples of biobased nanomaterials in sufficient quantities for application development, which has not been available to date. Construction was funded through a \$1.5 million grant from the USDA Forest Service. The UMaine Cellulose Nanofiber Pilot Plant was constructed in parallel to the Cellulose Nanocrystal Pilot Plant at the Forest Products Lab (FPL) in Madison, Wisconsin. At UMaine, the grant funded the purchase of an ultrafine grinder, a spray dryer, and a major upgrade of stock preparation and refining capacity.

What exactly are cellulose nanofibers (CNF)? Cellulose nanofibers are an advanced biomaterial made from renewable forest and agriculturally based sources. They have demonstrated exceptional performance in super-strong materials, barrier coatings, composites, foods, transparent flexible films and other applications. Cellulose nanofibers are mainly valued because of their strength; a strand of CNF is stronger than steel. It takes on different structures depending on how it is dried. For example, when a sample of the CNF slurry is dried with heat, the material be-

comes hard, dense and tough, and can be machined into different shapes and sizes. When freeze-dried, the material is lightweight, super-absorbent and demonstrates good insulating properties. The nanocellulose fibers are approximately 1,000 times smaller than traditional paper fibers. The material can be made from any lignocellulosic source, such as wood, grasses, corn stalks or wheat straw.

The purpose of the new facility: The new facility will provide researchers and early adopters of the technology with working quantities of a wide range of forest-based nanomaterials. Working in parallel with the Cellulose Nanocrystal Pilot Plant at the Forest Products Laboratory in Madison, Wisconsin, UMaine's program will produce CNF and distribute CNF and cellulose nanocrystals (CNC) in various forms for academic and industrial research. The UMaine PDC serves as the primary distributor of CNF and CNC for academic and commercial enterprises. A nanocellulose request form can be found on the Process Development Center's website (umaine.edu/pdc).

The Cellulose Nanofiber Pilot Plant and all of the other resources of the PDC are openly available as a fee-for-service facility that clients — individually or in consortiums — can utilize to advance their own research and development projects. For more information, call the PDC at 207-581-2281. We look forward to working with you!



Super Mass Colloider housed in the University of Maine's Process Development Center's Nanofiber Pilot Plant at UMaine in Jenness Hall.

Seniors Find Jobs!

Student placement has been very good so far in 2013. 67% of our scholarship recipients are employed with pulp and paper or supplier members. We have three students, interestingly all mechanical engineering students, headed for grad school, and three chemical engineering students still looking for employment. The table (located below) tells the full story. Verso Paper leads the way with three hires followed by Ashland, Cianbro, and PaperChine with two each. Of those students employed, 93% are headed for a career with a paper company or Foundation company member. 50% of those with positions will be outside the State of Maine. "We are fortunate to have a great mix — many of our students definitely have a desire to explore opportunities outside of Maine, while others want to stay close to home," said Jack Healy, Executive Director of the UMaine Pulp and Paper Foundation. "Those who are choosing opportunities outside of Maine appear to be doing so at their choice vs. having to accept employment beyond state borders. Our students really have a tremendous leg up vs. other students — the co-op experience makes an incredible difference." Jack noted that he expects all students desiring employment will have a position by the end of June.

2013 UMPPF EMPLOYMENT DECISIONS

	# Employed	# Employed in Paper Industry or Company Member
Grad School (MEs)	3	
Verso	3	3
Still Looking (ChemEs)	3	
Ashland	2	2
Cianbro	2	2
Rock Tenn	1	1
Onyx	1	1
PaperChine	2	2
Metso Paper	1	1
Metso Automation	1	1
Lincoln Paper & Tissue	1	1
Rockwell International	1	
Total	21	14
Percent	100%	67%

Twenty-Three Incoming First Year Students Awarded Foundation Scholarships for Fall

More than 75 students applied for UMaine Pulp & Paper Foundation First Year Scholarships for the 2013-14 academic year. Forty-eight students were interviewed by the Scholarship Committee via SKYPE in January, and from those interviewed, 28 students were offered scholarships. In keeping with its new policy and guidelines, 4 students were offered full UMaine tuition scholarships while the remaining students were offered scholarships in the amount of \$3500 per semester. As of the scholarship acceptance deadline, 26 students have accepted our scholarship offer and will be joining us at UMaine in the fall.

By major, 14 incoming first year students will study chemical engineering, 5 students will study mechanical engineering, 3 students will study computer and electrical engineering, leaving one student each in bioengineering, civil engineering, electrical engineering technology and environmental engineering. All students receiving first year scholarships are from Maine.

Sixteen of the students receiving scholarships attended the Consider Engineering Summer program the summer between their junior and senior year of high school. Foundation Executive Director, Jack Healy said, "The Consider Engineering summer program is, without doubt, the greatest recruiting tool we have to find the best and the brightest students to recruit into our industry. The program gives us the opportunity to meet the students, to answer their questions, spend time with them and to sell them on engineering as a career choice."

As high school graduation and awards ceremonies near we will prepare scholarship award certificates for each of the students. High schools are contacted and asked if a representative from the Foundation may present their student with his/her award certificate at their schools honors ceremonies. We try to match an industry representative from the high school area to the school to make the actual presentation. If you are interested in participating please contact Jack Healy.

Annual Meeting Receives Committee Reports and Elects Officers

The Foundation's Annual Meeting was held as part of the Paper Days program on Thursday, April 5th. The primary items of business were the election of officers and directors and the receipt of committee reports.

Elected Foundation Chairman was John Wolanski, Vice President of Marketing and Sales, GAC Chemicals and elected Foundation President was John Donahue, Vice President Manufacturing, Sappi Fine Paper North America.

Elected as new incoming Executive Committee Members were: Donna Cassese, Managing Director, Westbrook Mill, Sappi Fine Paper; Jeffrey Hamilton, Mill Manager, Wisconsin Rapids Mill, NewPage Corporation; Morgan Hill, UMaine Chemical Engineering Scholarship Recipient; Marco L'Italien, Mill Manager, Lincoln Paper & Tissue; and Craig Martin, North American Sales Director, Styron.

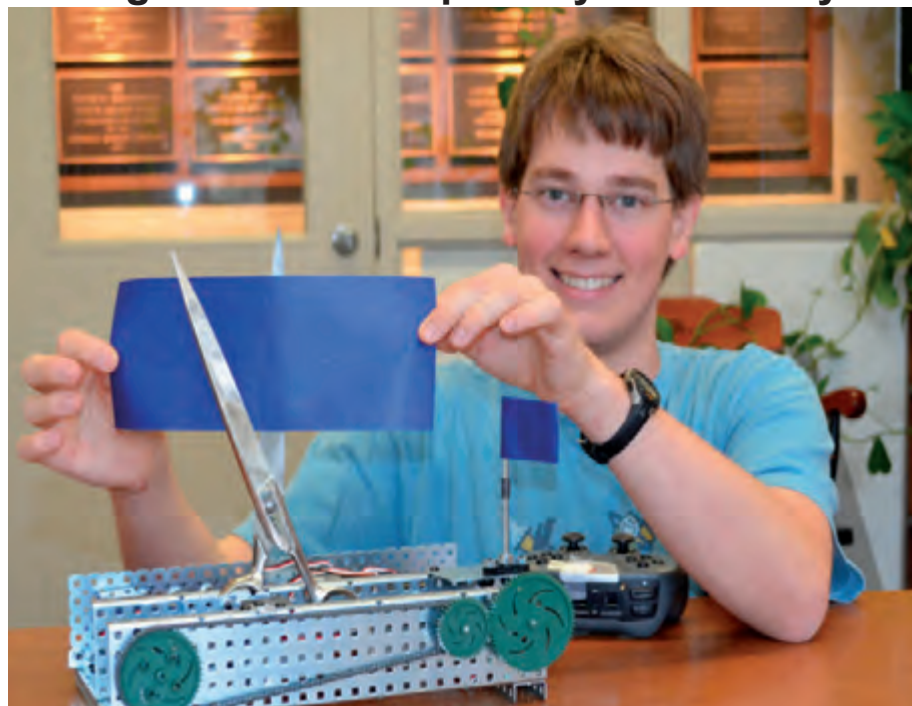
Elected to the Board of Directors (for 2013-2016) were: Bruce Baker, Corporate Account Manager, ABB Inc.; Brad Bingham, District Sales Manager - Northeast, SCA North America; Keith Meyer, Senior Vice President, Andritz Inc.; Tony Newman, Plant Manager, Cascades Auburn Fiber; and Jim Prendergast, NA Paper Segment Lead, DuPont Titanium Tech.

Directors whose terms expired were thanked for their dedication and service to the Foundation. They were: Dennis Castonguay, Manufacturing Support Manager, Verso Paper; Troy Hobson, Director U.S. Pulp & Paper, ABB Inc.; Brian Lambert, District Manager, Nalco; Alan Reynolds, Smooth Finish Department Manager, Huhtamaki Food Service; and Laura Duran, UMaine Chemical Engineering Scholarship Recipient.

Membership Committee Chair John Wolanski, Scholarship Committee Chair Jason Lyons and Honor Award Chair, Roy Barry have stepped down. Taking the reins for the Scholarship/Educational Relations Committee will be Lee Marshall, Technical Manager, Sappi Fine Paper North America; Membership Committee Chair will be Jef Howell, Purchasing Manager, Verso Paper; and the Honor Award Committee Chair will be Don Beaumont, Senior Vice President, Metso Paper USA.

Welcome and thank-you were extended to all incoming and outgoing volunteers.

Scholarship Recipient Creates "Ribbon-Cutting" Robot for Paper Days Ceremony



Blake Bourque, '15, COE from Belgrade, ME poses with the robot he created for the Cellulose Nanofiber Pilot Plant ribbon cutting ceremony held at Paper Days 2013.



Alumni Personals

David Anderson, '93, has joined Gorham Paper & Tissue as a Technical Engineer at their Gorham, NH facility.

Robert White, '94, has joined Buckman in Memphis, TN as a Product Specialist - Pulping.

Jennifer Alley, '95, has joined GAC Chemical in Searsport, ME as Technical Manager.

Addie Nadeau, '96, has joined Axchem USA as a Senior Sales Consultant focused on the Maine Paper Industry.

Todd Jordan, '95, is now Sales Manager at EDT - Enzymatic Deinking Technologies, Atlanta, GA.

Craig Bossie, '98, is now a Software Application Developer at Winxnet in Portland, ME.

Joshua Mathews, '98, is now a Sr. Process Engineer at Sappi Fine Paper's Somerset Mill, Skowhegan, ME.

Matthew Simoneau, '02, is now Recovery Boiler Superintendent at NewPage Corporation, Rumford, ME.

Michelle L'Heureux, '05, has joined Gestamp Biomass in Bedford, NH as an Associate Process Engineer.

Jeremey Condon, '06, has joined Invensys Operations Management in Canton, MA as a Project Application Engineer.

Codi, Slike, '07, has been named the Process Engineering Group Leader at Verso Paper's Androscoggin Mill, Jay, ME.

Michael Browne, '10, is now a Technical Process Engineer at Sappi Fine Paper's Somerset Mill, Skowhegan, ME.

Jason Eremita, '10, has joined Buckman as an Area Representative.

Nicholas Merrill, '10, is now Electrical Reliability/Back Up Power Systems Engineer at NewPage in Rumford, ME.

Scholarship Recipients Receive Many Honors

Timothy Albert, '14, ELE, is President of Eta Kappa Nu, IEEE Honor Society.

Lucas Bussell, '14, CHE, was inducted into Tau Bet Pi Engineering Honor Society.

Mykel Callaway, '13 CHE, was inducted into Tau Beta Pi Engineering Honor Society.

Nathaniel Cyr, '13, MEE, is a 2013 Hovey Award recipient; received a Kappa Sigma Merit Scholarship; received a UMaine Top Scholar Award and is a UMaine Presidential Scholar.

Laura Duran, '14 CHE, and Jenny Leach, '13, CHE were both All Maine Women and both inducted into Tau Beta Pi Engineering Honor Society.

Brady Jacques, '14, MEE, was invited to Pi Tau Sigma National Mechanical Engineering Honor Fraternity.

Cody Lachance, '14, FOR, is a Senior Skull, was inducted into Xi Sigma Pi Forestry Honor Society, named to the America East All Academic Swim Team, and Captain of the UMaine Swim Team.

Jesse Orach, '16, CHE, received a UMaine Rising Star Award given to student athletes with above 3.0 GPA's.

Adriaan VanHeiningen Receives 2013 Tappi Journal Research Paper Award

Adriann VanHeiningen, UMaine Ober Chair, and Professor of Chemical Engineering received the 2013 Tappi Journal Best Research Paper Award at the PaperCon 2013 Awards Ceremony. Tappi Journal is the worlds most widely recognized research journal covering the pulp, paper, packaging, nonwovens and related industries.

Jeffrey Hamilton, Named TAPPI Fellow

Jeff Hamilton, '82, has been named a TAPPI Fellow for 2013. He is currently Mill Manager at NewPage's Wisconsin Rapids Mill. Fellow is an honorary title bestowed upon a very small percentage of TAPPI's membership.

"During a long and distinguished career Jeff Hamilton has made many major contributions to industry as a senior technical manager and in senior management at some of the largest and most advanced coated and uncoated fine paper mills in the world," said Larry Montague, president and CEO of TAPPI. "He's also shown great leadership and been an innovator while serving in senior management positions at TAPPI and PIMA, where he's always motivated others by his hard work and enthusiasm. He is an outstanding choice for the Fellows Award."

Two UMaine Chemical Engineering Associate Professors Promoted to Full Professors



David Neivandt (right) and Bill DeSisto (left) were named full professors of Chemical Engineering at the March meeting of the UMaine Board of Trustees.



Foundation Treasurer and President of GAC Chemical, David Colter, is pictured presenting Ben Connor, '14, ChE with TAPPI's Couch Pit Scholarship.

Welcome NEW Members!

One half of the 2013 graduating class of the University of Maine Pulp and Paper Foundation have elected to become members of the Foundation before leaving school this spring. Membership begins at \$50 for an individual membership. Jack asked students if they would like to become members during their annual meeting in January. Most of the students were thankful to be asked, and 11 students donated between \$50 and \$200 dollars. Although it would have been great if 100% had become members, we recognize that funds during college life can be tight, and we hope that at some point in the future all of our graduates will become members. Many of the students found that becoming members was easy, and only involved going to our web site at www.maineulpaper.org, and clicking make a donation, and following directions.

This is the first time in a number of years that new graduates have been asked to become members as they left college. Healy noted that "early membership will hopefully foster a life long habit of participation in Foundation functions and giving to the next generation of pulp and paper engineering students".



Dr. Joe Genco (standing) with senior Chemical Engineering students who requested he teach PPA 466 - Paper Technology - the chemical and engineering principles of paper manufacturing from the preparation of fiber furnishes to the final stages of drying for the spring 2013 semester.



Members of the Scholarship Committee conducting SKYPE interviews with potential first year scholarship recipients. More than 48 interviews were conducted on a Friday in January.

Student TAPPI/PIMA Chapter 2013-14 Officers Announced

The UMaine Chapter of TAPPI/PIMA has announced its officers for the 2013-14 academic year. Serving as President will be Lucas Bussell, '14, ChE, from Parkman, ME. Vice President will be Emily Vannozzi, '14, ChE, from Plymouth, MA. Serving as Secretary for the fall semester will be Stephen Goulet, '15, ME from Presque Isle, ME and for the spring semester, Molly White, '15, BLE, from Baileyville, ME. Treasurer will be Kody Allcroft, '14, ChE from Orrington, ME and and International Trip Chair will be Jon Lee, '15, ChE, from Madawaska, ME. All of the students are UMaine Pulp & Paper Foundation scholarship recipients.

Sophomore Scholarship Recipients Successful in Finding Co-op Employment

All Sophomore scholarship recipients have been successful in obtaining a co-op positions with paper company members and suppliers. Students will be employed by the following companies:

- Ashland - 1
- Buckman - 1
- Lincoln Paper & Tissue - 1
- Madison Paper - 1
- Metso Automation - 2
- Packaging Corp. of America - 1
- Rayonier - 1
- Sappi Fine Paper - 6
- Sevee & Mahar - 1
- Twin Rivers Paper - 2
- Verso Paper - 3

Students will complete two terms of employment as part of the requirements needed to demonstrate career interest, one of the criteria needed to continue to receive their scholarships.

Have You Changed Jobs? Have You Moved to a New Location?

Please send us an email telling us about your changes so we can keep you on our mailing list.

We will include your change in the next Newsletters Alumni Personals column.



Special Delivery From Paper Days - Pat's Pizza!

When Greg Radney of Metso returned to Atlanta, GA after his trip to Maine for Paper Days he brought a little bit of "UMaine" back home. On hand to welcome Greg back and to enjoy Greg's surprise are, pictured (from left to right) Brian Greenwood, Sue Greenwood and Patty Radney. Back row (left to right) Greg Radney, and UMaine graduates, Nick Knowlen, Ben Snyder, and Matt Furman.



The UMaine Pulp & Paper Foundation was pleased to offer financial support to promote student attendance at the 2013 Tappi Summit held at NC State in Raleigh, NC in January. Pictured (front row, left to right) Mykel Callaway, '13, ChE; and Jonathan Belanger, '16, ChE. Second row (left to right) Kelsey Bolduc, '16, ChE; Alexi Deering, '16, ChE; Lucas Mathers, '13, ChE; and, Lucas Bussell, '14, ChE. Back row (left to right) Richard Qualey, '13, ChE; Sam Miller, '13, ChE; Justin Bolinger, '13 ChE; Chris Desmond, '15, ChE; and Ben Conner, '14, ChE.

Scholarship Applications for students currently enrolled in Engineering at the University of Maine are available on the Foundation's website:

www.maineulpaper.org

Students must have a demonstrated interest in the pulp and paper industry, a co-op or internship in the industry and a GPA of 3.0 or greater.

FOR COMPLETE INFORMATION ABOUT PULP & PAPER FOUNDATION PROGRAMS INCLUDING:

- Consider Engineering
- Upperclass Scholarships
- First Year Scholarships

visit us at:

www.maineulpaper.org



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University of Maine Pulp
and Paper Foundation

Mark Your Calendar *Plan to Attend* **Paper Days 2014**

April 9 & 10, 2014

**Wells Conference Center
University of Maine**

**The program brochure will
be posted on our website in
January, 2014**

UMaine Student TREE Trip - Finland, May 15-26, 2013



Pictured are the UMaine students who will travel to Finland as part of the UMaine TREE trip. Front row, (left to right) Charles Cheevers, Dustin Sleight and Emily Vannozzi. Back (left to right) Rich Hoch, Molly White, Steve Goulet, Nick Hart, Kody Allcroft and Jon Lee. Not pictured but going on the trip is Audrey Cook. All students are Pulp & Paper Foundation Scholarship Recipients.

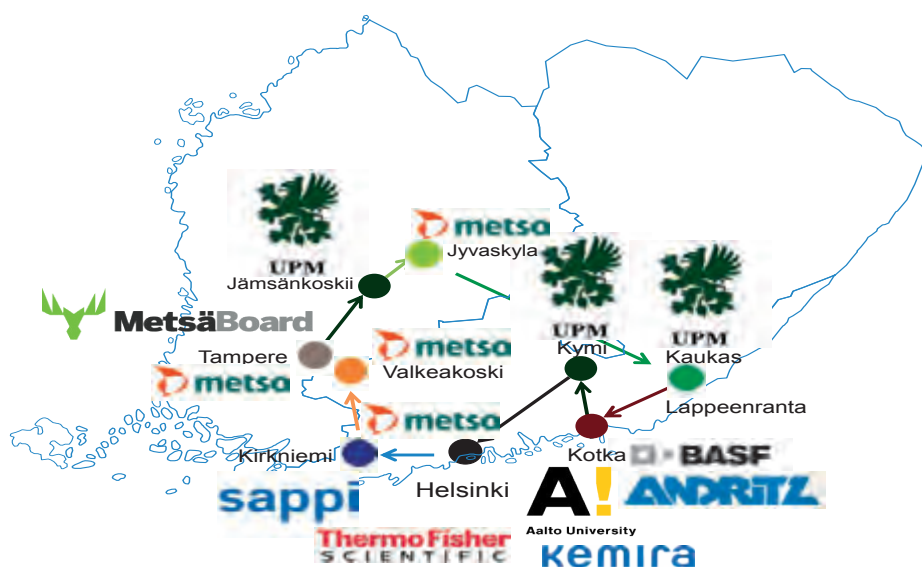
Students from the University of Maine TAPPI/PIMA Student Chapter will travel to Finland this May to experience the global presence of the pulp & paper industry. The trip is called TREE, or TAPPI/PIMA Research Expedition: Europe. Metso has been helping the TREE committee

to develop a tentative itinerary, which includes visits to machinery manufacturing sites, pulp, paper, and tissue mills, as well as VTT and Aalto University, all with the intention of broadening student perspectives and knowledge of the international forest products industry. Confirmed hosts

include UPM in Jamsinkoski, and Metso in Jarvenpaa and Jyvaskyla.

The nine participating students are all underclassmen, who are learning about the industry through classroom education and co-op positions. Emily Vannozzi, third-year chemical engineering student, is excited to visit Finland because the country “has a lot of new and innovative plants and facilities” She wants “to learn about what they are doing differently” than Maine and US businesses, “and how they are changing the paper industry going forward.” Another third-year student, Charles Cheevers, is interested in the industry sites, and “experiencing Finnish culture first hand.”

Fundraising has been an ongoing effort for the committee. The overall goal of \$20,000 encompasses air fare, ground transportation, lodging and food costs. A letter campaign, bake sale, t-shirt sale and silent auction have contributed to this goal, as well as generous donations from individuals, industry corporations, and the University of Maine Pulp & Paper Foundation. Currently, over \$18,000 has been raised. Any additional contributions would be greatly appreciated; if interested please contact the UMaine Student Chapter president at laura.duran@maine.edu.



The map above outlines what facilities the students will visit and tour while in Finland as part of the TREE (TAPPI/PIMA Research Expedition: Europe). The highlighted box to the right is the actual schedule of tours and company visits the students will experience during their experience.

TREE TOUR ITINERARY

Wednesday	Arrive Helsinki
Thursday	Neles Valve Factory, Helsinki Thermo Scientific, Vantaa Metso Coater & Calenders Pilot Plant Overnight Helsinki
Friday	Aalto University Overnight Helsinki
Saturday	Helsinki
Sunday	Helsinki
Monday	AM Sappi Kirkniemi PM Metso Stock Prep & Refiner Mfg. Overnight Tampere
Tuesday	AM Metso Automation Manufacturing AM Metso Power Biofuel Pilot Facility PM Metsa Board Tako Mill Evening Lakeside, Maisansalo Overnight Tampere
Wednesday	AM UPM Kaipola SC Mill PM Metso Paper Pilot Plants & Headbox Overnight Imatra/Lappeenranta
Thursday	AM Stora Enso Kaukopaa PM Metsa Botnia Pulp Mill Joutseno Overnight Imatra/Lappeenranta
Friday	AM UPM Kaukas Lappeenranta PM UPM Kymi, Kouvola Overnight Helsinki
Saturday	Helsinki
Sunday	Return to USA

Return Service Requested

Sappi Paper's Lee Marshall & Foundation Executive Director Jack Healy Inducted Into Francis Crowe Society at 2013 Honors Ceremony

The University of Maine College of Engineering held its annual Francis Crowe Society awards ceremony as part of UMaine's graduation festivities On Saturday, May 11th. All new engineering graduates are invited to become members.

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.

This year we are honored to have two PPF members represented. Lee Marshall, '79, was inducted into the society as a Distinguished Member, defined as a individual who has made major contributions to the art, science or practice of engineering. Lee is currently Technical Manager of Sappi Fine Paper in Skowhegan, ME. Lee also serves as Chair of the Foundation's Scholarship/Educational Relations Committee.

Foundation Executive Director Jack Healy, '73, was inducted as an Honorary Member to recognize his contributions to engineering and to the college community.



Lee Marshall (left), Sappi Paper is inducted into the Francis Crowe Society. Also pictured, Hemant Pendse (center) and Engineering Dean Dana Humphrey (right).



Jack Healy (left), UMaine PPF is inducted into the Francis Crowe Society. Also pictured, Hemant Pendse (center) and Engineering Dean Dana Humphrey (right).

The UMaine Pulp & Paper Foundation Newsletter is published two times a year (spring/summer and fall/winter) by the UMaine Pulp & Paper Foundation, 5737 Jenness Hall, Orono, ME 04469. Jack Healy, Executive Director; Faye Woodcock Murray, Editor.