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The Dandy Scroll

Volume XLVIII No.2 • Fall/Winter 2005

Raymond J. Heuchling Tells Scholarship Recipients about the Importance of Networking and the Rewards of Giving Back

Raymond J. Heuchling, Vice President Business Development for Irving Forest Products was the guest speaker at the Foundation's annual scholarship banquet held in mid-September.

Ray started his presentation by asking a few members of the audience to stand up. Once standing he asked them to stand up on their chairs and to take a look around the room. He went on to state how different things looked from above. How important it is to take the time to look at the task at hand from different perspectives.

As the evening progressed, Ray told the students of his career path and told everyone how important it is to network in everything you do. "Don't just network in your business lives, but network in your personal and social life as well. The more contacts the better". Ray then told our audience he was a psychology major in college. It was his networking and community service ventures that led him to the paper industry and his lifelong career with Irving Forest Products.

Ray closed his presentation by telling the students to "enjoy the ride", have fun and like what it is you are doing and most importantly do good for others, the rewards of giving back are enormous.

Scholarships - continued page 2

Scholarship Recipients READY for Permanent and Co-op Employment

A message from Executive Director, Peter Duncan

We are off to a great start this academic year. I am pleased to report that all students graduating in May have been placed. This was not a "perfect" exercise, but it is done and we are convinced that our graduates will bring high value to their employers. Job opportunities are beginning to turn up. We have had several inquiries throughout the summer and we are anticipating a strong call for the class of 2006.

In the last couple of weeks, students are dropping by, many to relate their summer experiences – particularly co-op activities. I have had the opportunity to talk with several individual co-op sponsors regarding student activities. The news is a collective **wow!** The co-op program is a win for both the sponsoring company and the student. The sponsoring company gets good engineering support, and in some cases project management at low cost with an opportunity to examine students for potential future employment. The student gets excellent experience and a head start when it comes time for full time employment.

Your Foundation, along with the Pulp and Paper Process Development Center sponsored two students, John

Ready for Employment - continued page 2



Scott Castonguay, Fraser Papers, Madawaska, ME, and Scholarship Committee member presents scholarship checks to students at the September 15th Scholarship Banquet.



Continued - Ready for Employment

DeAngelis and Rebecca Saucier to attend a week of leadership training in May in a program conducted by the Center for Paper Business and Industry Studies [CPBIS] at Georgia Institute of Technology. They were the only two students in a class of 25, all of the other attendees from the ranks of paper and allied industries middle management. Some of the topics discussed during the week were “The Art of Leadership, Effectively Managing Change, Creating Successful Bargaining and Negotiations Outcomes, Effectively Managing High Performance Teams, and Leveraging People Resources for Improved Performance.” John DeAngelis reports that he has already been able to put some of his new knowledge to work as he managed a recycled plant for two weeks this summer.

We at this University have benefited from their experience as well as it points up the need to focus on leadership training for our students throughout the four years of undergraduate work with us. Both John DeAngelis and Rebecca Saucier will conduct a seminar on leadership some time this Fall.

From the 2006 senior class of 32 students, one has accepted an offer to work part time in a paper mill during her senior year with full time employment following graduation. Another student has accepted employment following a December graduation, a third student has been advised of “strong interest” following graduation, and a fourth student is currently in the interviewing process for an off shore posting, again with a paper mill.

For those of you who are thinking about filling positions with students from our 2006 graduating class, a placement brochure will be available later this month. We recommend that you initiate discussions and interviews early as this will be a competitive year with many students receiving multiple offers. We want Foundation Corporate Members to have 1st call.

Continued - Scholarships

Fall scholarships valued at more than \$215,000 were awarded to 69 students studying engineering. Scholarship recipients present included 30 seniors, 30 juniors and 9 sophomore engineering students. In addition 24 entering first years students were invited to attend the banquet to meet scholarship committee members, our guest speaker and upper-class students.

By field of study the scholarships were awarded to 1 biological engineering student, 1 bio-resource engineering student, 21 chemical engineering students, 10 civil engineering students, 1 construction management technology student, 1 computer & electrical engineering student, 3 electrical engineering students, 5 electrical engineering technology students, 10 mechanical engineering students, 14 mechanical engineering technology students, 1 survey engineering student and 1 engineering undeclared student.

Chairman of the Scholarship Committee is Jack MacBrayne, III, retired, Champion International who served as master of ceremonies.

At it’s meeting preceding the banquet, the committee agreed to offer scholarships to up to 30 incoming first year students in the fall, 2006. The Committee also recommended continued Foundation support for up to 100 upper-class scholarship recipients during the 2006-07 academic year. All scholarship awards are based on merit and the student’s demonstrated interest in considering a paper related technical career.



Mark Lenentine of Buckman Laboratories, and Scholarship Committee member presents scholarship checks to students at the annual banquet held in September.

First Year Scholarship Recipients Honored at Banquet

Twenty-Four first year Pulp & Paper Foundation scholarship recipients were welcomed to UMaine by Foundation Executive Director, Peter Duncan and Manager of Business and Special Programs Faye Woodcock at a banquet in their honor. Also in attendance to welcome the students were 6 upper-class scholarship recipients who were selected to lend support and to be a source of information to the myriad of questions our new students had.

David K. Wilson, Account Manager, Nalco Company was the guest speaker. In his presentation Dave congratulated the students on their accomplishments and told them they would not be here as scholarship recipients if they hadn’t already succeeded by excelling in high school.

Dave went on to give the students “Dave Wilson’s Undeniable Facts of Life”. As Dave went through his 10 facts students listened intently and nodded and agreed with the message he was giving them.

Dave Wilson’s Undeniable Facts of Life are as follows:

- Time accelerates. (Every year goes by faster than the one before – make every day count.)
- Confidence and humility are both important for success.
- Attentive listening accounts for 75% of effective communication.
- No one knows everything.
- Complaints and excuses bore and annoy most people. (Bring solutions not excuses.)
- We only get one body for this life. (Develop a plan to make yours last 100 years.)
- You are responsible for your own success. (The UMaine community is very helpful – but you must ask.)
- If you are impressive enough to earn a first year scholarship – then you can achieve anything. (The sky is the limit – expect greatness, and work toward it!)
- It is always easier to remember the truth.
- You won’t go wrong if you strive to make your parents proud with your actions.

Strategic Planning Committee Update

In the last newsletter we wrote to you regarding the need to repoint the strategy of this Foundation. For 55 years this Foundation has done an outstanding job of meeting our mission, i.e., providing a steady stream of engineers for the paper and allied industries. We inherited an outstanding program directed to the continuation of this success.

But – the industry we serve has changed and change continues at an even faster rate. The Strategic Planning Committee, led by Jeff Dutton, President of Republic Paperboard, has been working on new directions from mid March until now. We have developed the basis of a plan to meet the future needs of our Industry. To use current business speak, “we have brought the strategy down to the 20,000 foot level and we are in the process of taking the next cut by matching new directions with the responsible committee(s)”. In fact, the next step will involve a reassessment of the makeup of your Board of Directors and of the various committees now in place. This will get us down to 10,000 feet where various committees will begin to develop the tactics needed to put the plan in place.

The key word in new direction is **GLOBAL** and there are several points to direct this Foundation to the global forest products industry. The next key word is **STUDENT**. In addition to technology we will look to other needs of our industry such as business and administration and we will look to establishing unique global student exchange programs. The third key word is **COLLABORATION**. As we have done at our last Open House [Paper Days] we will collaborate with other industry [domestic and off shore] foundations, associations, paper universities, campus officials, companies, and anyone anywhere that can add value to our mission. Finally, the fourth key word is **RESEARCH**. The latest industry concept is “Open Innovation.” We will exercise this concept in all that we do without sacrifice of the unique character of our Foundation.

The Strategic Planning Committee worked hard on developing a new Foundation name to acknowledge the changes we are set to meet. You should be pleased to know that the name will remain unchanged. *We are* **THE UNIVERSITY OF MAINE PULP & PAPER FOUNDATION**. We have strong brand recognition and it is our goal to have UMaine recognized as the go to paper school worldwide. In so doing, we will take a leadership role in the Global Forest Products Industry.

PAPER DAYS 2006 Scheduled for April 5 & 6th, 2005

Albert B. Moore, Assistant to the President of Buckman Laboratories and chair of The UMaine Pulp and Paper Foundation’s Open House Committee is pleased to announce we will once again join together with The Maine Pulp & Paper Association, The Maine Forest Products Council, Northeast PIMA, Maine/New Hampshire TAPPI and The University of Maine College of Forestry to hold Paper Days 2006.

Next year’s program is scheduled to start on Wednesday, April 5th and will continue through Thursday, April 6th

concluding with The Pulp and Paper Foundation’s Annual Honors banquet.

The theme for next year’s program is “**Meeting Economic Challenges in the Global Community**”. The format for the program will be the same as this year with keynote speakers, industry panels and our traditional student/industry panel.

Representatives from each sponsoring organization are working to develop what promises to be a blockbuster program. Mark your calendar, plan to attend. A complete program brochure will be available for distribution and on our website at www.maineulpaper.org in January 2006.

Thirty-two Seniors Ready for Employment

THE UNIVERSITY OF MAINE
CLASS OF 2006



Candidates for Placement in
PULP & PAPER
and Allied Industries

The Foundation’s annual booklet “Candidates for Placement” introducing the class of 2006 to the paper and supplier industry has been received from the press and is now being distributed to Foundation member companies.

Thirty-two members of the University of Maine’s class of 2006 are introduced. This year’s featured graduates include six women. The student’s breakdown, by discipline are as follows: 12 chemical engineering, 7 mechanical engineering technology, 4 electrical engineering technology, 4 civil engineering, 3 mechanical engineering, 1 construction management technology and one civil & environmental engineering students.

The brochure provides an abbreviated resume and picture highlighting co-op, summer employment, or internship experience for each of our seniors.

Every student featured in the brochure is a Pulp and Paper Foundation scholarship recipient. Nearly all students have worked in a paper mill, some with experience in several mills.

To learn more about graduating students, and their technical abilities, or to request copies of the Candidates for Placement brochure, contact Faye Woodcock Murray at 207/581-2297 or email at woodcock@maine.edu.



Advanced Forest Bioproducts, Inc. to work with the UMaine Pulp & Paper Process Development Center to Determine the Feasibility of Building a Forest Products Biorefinery in Maine

The University of Maine has a long tradition of working with government and industry to meet important research challenges. A recent example is our work over the past year to develop alternative fuel sources that lessen our dependence on foreign oil and produce a cleaner burning fuel. Now, with oil prices at record highs and no relief in sight, the University of Maine is pleased to announce a new collaboration with Safe Handling, Inc. The new project will evaluate the feasibility of producing liquid fuels, chemicals, steam, and electricity using renewable forest-based resources. The work is funded by the U.S. Department of Energy, Safe Handling, Inc., and the Maine Technology Institute. This project represents the first of its kind in North America.

Ford Reiche, President of Safe Handling, Inc. states that Maine is well positioned to become a leader in converting forest-based materials into value-added products, thus creating jobs and supporting the Maine economy. "We are committed to fully investigating all benefits of a forest products biorefinery here in Maine. Maine has the necessary high-quality feedstocks such as paper sludges and wood wastes for bioenergy end uses. If our analysis shows that we can manage it technically and economically, we look forward to bringing this new industry to Maine."

The University of Maine will bring expertise derived from decades of work with Maine's pulp and paper industry, as well as expertise in chemical and biological engineering. According to Dr. Hemant Pendse, Chair of the Department of Chemical & Biological Engineering, "In the last five years, there have been great de-

velopments in the laboratory, turning wood and wood manufacturing wastes into fuels and chemicals. Our challenge in Maine is to move these developments from the lab to the factory floor, and be proactive in getting ready for new feedstocks that are on the horizon. We look forward to meeting that challenge."

Advanced Forest Products, Inc. is a new corporation that was formed by The University of Maine and Safe Handling to explore the possibility of building a biorefinery in Maine. In addition to its own staff and the University of Maine, a number of nationally recognized bioprocessing experts will be consulted, bringing world-class talent to this Maine project. Innovative Natural Resource Solutions LLC, a Portland firm with extensive experience in biomass project development, will act as project coordinator. By December 2006, Advanced Forest Bioproducts, Inc., will have completed all analysis necessary to determine

how to develop a Forest products-based bioprocessing facility that is technically and economically viable.

For more information contact:

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Hemant Pendse, University of Maine, 207/581-2290,
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Ford Reiche, Safe Handling, Inc., 207/783-1020,
reiche@safehandling.com

Safe Handling, Inc. has years of experience operating large industrial distribution centers, with complexes in Maine and Pennsylvania. They produce, handle, and transport raw materials for regional industries, and in 2000 was named to INC Magazine's Top 500 Businesses.



Dr. Haixuan Zou of The Pulp & Paper Process Development Center conducts testing using a bioreactor for a bio-refinery experiment.

UMaine Chemical & Biological Engineering Update - Undergraduate Research Participation on the Rise - A message from Department Chair, Hemant Pendse

Undergraduate Research Participation is on the rise in the University of Maine's Chemical and Biological Engineering Department. In the 2003-04 academic year, six students participated in undergraduate research, while the 2004-05 year saw that number more than double to fourteen students. Research topics ranged from biosensors to blueberries, from physiological genomics to gas sensor platforms.

Current Biological Engineering graduate student Gary Craig researched in both 2003-04 and 2004-05 as an undergraduate, culminating in his first place win at the New England AIChE Conference held at UMass-Lowell last spring for his "Design and Fabrication of Micro-machined Gas Sensor Platforms" paper. He has received an invitation to present the paper at the National AIChE 2005 Annual Meeting in Cincinnati. "Learning by working on my own was a new experience. Interacting with faculty one-on-one was great," Gary said of his undergraduate research experience.

As a result of multi-disciplinary collaboration, students have been able to participate in faculty research across various engineering departments. The faculty has been supportive and encouraging of students by opening their labs to undergraduate research participation in students' junior year, often extending opportunities into the senior year. The research experience complements the practical experience of in-mill and other industry co-ops that many sophomore engineering students pursue. The University of Maine's Chemical and Biological Engineering Department also involves its first-year students in a three-week project experience in faculty research labs during the students' spring semester. Invaluable hands-on opportunities like these, supported by the engineering faculty throughout students' academic pursuits, propel the University of Maine's engineering graduates to excellence in their occupational endeavors.



The Department of Chemical & Biological Engineering sports new logo.



The Chemical & Biological Engineering Dept. installs new trophy case in the Jenness Hall lobby to showcase student awards and achievements.

Chinn Management Seminar Series Schedule Announced

Once again The Pulp & Paper Foundation will offer scholarship recipients and interested students the opportunity to attend six engineering management seminars for the 2005-2006 academic year.

The Jack E. Chinn Engineering Management Seminar series allows students the opportunity to explore management topics they would not otherwise encounter in their engineering classes.

The opening seminar, "Opening Doors – Resumes as YOUR Sales Tool", was presented on the second day of classes by Gilly Hitchcock and Mike Luciano of Fortune Personnel Consultants. Students learned: What is the purpose of a resume is. What readers are looking for when they read your resume. How important it is to have your resume stand out from all the others. And, what it takes to make their resume memorable.

The second seminar held in October was titled "Interviewing Skills" and was presented by Larry Parent and his team from Metso Paper in Biddeford, ME. Covered in the presentation was: Interview Preparation; Generally Accepted Rules; How to Dress; How to Handle Common Questions, and Why they are Being Asked. Also featured were the Do's & Don'ts of interviewing protocol.

Other seminar topics to be covered for this academic year are: Sales & Marketing; Operations Management; Research & Development, and Leadership.

Foundation members and friends who would like to present a Chinn Seminar are encouraged to contact Peter Duncan by calling 207/581-2298 or sending email to Peter at duncan@maine.edu.



Introducing the Class of 2009 - Our New Scholarship Recipients



Jay Bilodeau

Chemical Engineering
Winthrop, ME

I chose UMaine because it is close to home and it is one of the best Engineering schools in the country. All through high school I enjoyed and excelled in Math and Science, So I figured Engineering would be a good choice. And to be perfectly honest, the income is quite appealing.



Ryan Birkel

Computer & Electrical Engineering
Brewer, ME

The reason I chose the University of Maine because it was close to home and I chose engineering because I desire a deeper understanding of the technology I use everyday.



Matthew Burns

Civil Engineering
Augusta, ME

I chose UMaine because I feel comfortable and it is in a great location. The engineering department comes with a great reputation. Lastly, I chose engineering because of the challenge it presents, as well as being able to directly see the results of your work as an engineer.



Gabrielle Dawson

Engineering Undecided
Rumford, ME

I chose Orono because it is affordable while still having an amazing engineering department. My father is a chemical engineer so I knew before hand that engineering was a stable and exciting field. With my love for math and science, and being a curious person I felt it would be a good fit for me.



Jessica Englehart

Chemical Engineering
Benton, ME

I chose engineering because it combined my favorite things: problem solving, critical thinking, math, and science. I didn't finalize my decision until I attended the Pulp & Paper Foundation's Consider Engineering program and learned what an engineer actually does.



Sarah Enman

Chemical Engineering
Skowhegan, ME

I chose Chemical Engineering and UMaine because I wanted a major that I can apply after college. I've known and met several successful graduates from the program, which I found encouraging. I am also impressed with UMaine Engineering's outstanding reputation.



Mark Gonyar

Chemical & Biological Engineering
Bangor, ME

The reason I chose UMaine is a three part answer, first of all, cost was a big factor in my college planning, and UMaine is the cheapest opportunity for me hands down. Second, my family has a long history with the University, and third, for my major, UMaine is one of the best schools in the country.



Brendan Goodwin

Mechanical Engineering
Lincoln, ME

I chose the UMaine because the engineering program was top notch, yet the college was still affordable. I am still fairly close to home, yet there is still the "big college" atmosphere. I also chose engineering because it would challenge me, and in the end it would be rewarding (good paying job).



Sarah Hodgins

Chemical Engineering
Brewer, ME

I chose engineering at Maine because of the great reputation of the program, and because I am interested in the versatility of the degree. It's great to know that when I graduate I will have a lot of options available to me.



Adam Jandreau

Civil Engineering
Fort Kent, ME

I chose UMaine because I thought the education I will get will be well worth the price and its the only college in Maine that offers my major. I like engineering because I like to solve problems and develop projects which I can be in charge of.



Michael Keane

Engineering Undecided
Brewer, ME

I chose UMaine because after attending the Consider Engineering program I found my interest had been sparked in engineering. After this program I decided engineering is the place for me. I am still exploring opportunities in each major before I choose one.



Mathew Kinney

Civil Engineering
Fort Kent, ME

I chose UMaine after attending the summer Consider Engineering program. The camp helped me to decide to apply for Orono in Civil Engineering. I also attended a seminar in Madawaska and toured Fraser Paper. I am interested in doing a co-op in one of the mills.

Introducing the Class of 2009 - Our New Scholarship Recipients



James Knarr
 Computer & Electrical Engineering
 Carmel, ME
 I chose UMaine because it has a great reputation and a strong engineering program. I enjoyed and excelled in math and science classes and have always wanted to know how and why things work. I chose Computer Engineering because I am interested in how they work and ways to use them in practical applications.



Joseph Malady
 Chemical Engineering
 Freedom, ME
 I chose UMaine Chemical Engineering because science has always intrigued me. I believe the pulp and paper industry will let me achieve my desires for science and I know, given the opportunity, I will become well accomplished within the pulp and paper industry.



Charles Phipps
 Civil Engineering
 Smyrna Mills, ME
 During my junior year I attended an engineering workshop at Katahdin Paper in Millinocket. This convinced me that engineering could be for me. I also attended 'Considering Engineering' that summer. I choose UMaine because of its reputation, location and the large financial incentives.



Marshall Ripley
 Electrical Engineering
 Grey, ME
 I am attending the University of Maine because of its outstanding engineering program and because of the reasonable price. I chose electrical engineering because I really enjoyed working with electricity and circuits in my physics class. It is also has potential to be a lucrative career.



Matthew Scott
 Chemical Engineering
 Hampden, ME
 I chose UMaine for the quality of the education and family heritage; I will be a third generation UMaine student. I picked chemical engineering for the challenge of the classes and the wide range of career options.



David Sinnett
 Mechanical Engineering
 Falmouth, ME
 I chose UMaine because everyone that I have talked to has loved it, was very happy there, and because it offers such a great engineering program without being a strictly tech school. Engineering has been my passion since I was a kid. I am very excited to be a UMaine engineering student.



Sean Snyder
 Chemical Engineering
 Holden, ME
 I chose UMaine because it gave me the opportunity to receive an excellent education at a reasonable price. I decided to go into engineering because I believe that it offers me the most opportunities when I graduate.



Seth Swanberg
 Mechanical Engineering
 Caribou, ME
 I chose U-Maine because of its outstanding record as an engineering school and the atmosphere. I chose engineering because I love seeing how things work and like to work on hands on projects. I am majoring in mechanical engineering and hope to complete a minor in business.



Kevin Trainor
 Civil Engineering
 Veazie, ME
 I chose UMaine because of the stellar academic reputation, especially in engineering, as well as the scholarship package I received. I chose Engineering because it is one of the best programs in the country and because I'm interested in math and science and Engineering is a promising field of study.



Brian Vernal
 Chemical Engineering
 Falmouth, ME
 Both my parents and my uncle graduated from UMaine in Chemical Engineering, that's what got me interesting in UMaine in the first place. As I learned more about UMaine and Chemical Engineering I have decided to attend the University of Maine and major in Chemical Engineering.



Christopher Vernal
 Chemical Engineering
 Falmouth, ME
 I learned so much by attending the "Consider Engineering" program and had a lot of fun, too. I am very interested in a career in the paper industry. My parents are UMaine engineering graduates and my mother was a scholarship recipient. I look forward to following in their footsteps.



Drake Voisine
 Computer Engineering
 Lincoln, ME
 My objective is to attend UMaine and pursue a degree in Mechanical Engineering. This is not a recent goal of mine, but my dream since the fifth grade. I have not chosen my major blindly and have done my research to ensure I will stick with and enjoy my study and my future career.



UMaine Engineering and Co-Op Experience Readies Seniors for Employment Interviews

Four years ago we welcomed John DeAngelis and Marilyn Nichols to campus as first year students. Both John and Marilyn have been very active here at UMaine and have become almost a daily fixture in the Foundation office. We thought our readers might enjoy learning a little more about these two outstanding seniors in their own words.

John DeAngelis

As is probably obvious to everyone I meet, I am not originally from Maine. I tell everyone I'm from Albany, NY but that's not quite true. Like most people who grew up in smaller towns I just pick Albany as the closest landmark that anyone from here would probably know. At least it conveys the fact that I am not from New York City, there is a whole state north of there. I actually grew up in a small town east of Albany called Wynantskill, in a mostly rural area. I attended Averill Park High School and graduated with Honors, and luckily with some college credits, in 2002.

I applied to seven colleges and got in to most of them, at that time UMaine wasn't even on my radar screen. It was the college visit that did it though. Somehow, though I haven't seen it since, I picked a reasonably warm, sunny February day to visit UMaine. I remember feeling absolutely at home on the campus. After a little research into UMaine's top-notch engineering program, Honors College, and great price, I enrolled immediately. Turns out it's conveniently close to the Maine woods for camping, hiking, fishing, and all the outdoor activities I love.

I applied for the Pulp and Paper Scholarship my second year at UMaine and was fortunate enough to be awarded the honor. Because of the award I have been able to be much more active on campus, taking leadership roles and experiencing college life to the fullest. Also, the foundation has been an invaluable resource helping me to find a Co-Op and sending me to a leadership conference in Atlanta, Georgia. I worked as a Co-Op for Katahdin Paper Company in East Millinocket, ME for two terms. During that time I served mill-wide as everything from a process engineer to a supervisor of a recycle plant. The experiences I gained during Co-Op have helped me decide what I would like to do after college; most likely I will pursue a career in recycle fiber, either as an engineer or a chemical supplier.

Marilyn Mae Nichols

I first heard about the Pulp and Paper Foundation when I was encouraged to apply for the "Consider Engineering" program in high school. Attending the week-long camp really sparked

my interest not only for engineering but also for the paper industry. Some of the friends I made at that camp are now my study partners for the "really tough" classes and co-members in honors societies such as All Maine Women and Pi Tau Sigma. It's fun looking back and discussing our shared experiences building bridges and towers out of newspaper and masking tape back when we were sixteen and first hearing the words "yield strength" and "machine direction."

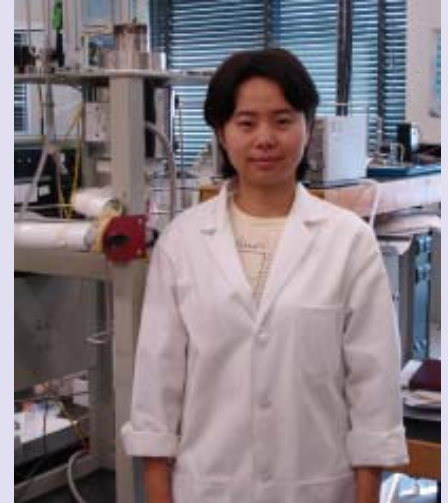
Choosing to come to the University of Maine was, I now believe, one of the best choices I have ever made. The faculty here is absolutely incredible and through this University and the Pulp and Paper Foundation I have been able to get my feet wet in projects which encompass a broad variety of disciplines. Over the past three school-years I have been able to work in the department of mechanical engineering on developing an impact penetration sensing system for NASA's global space shuttle.

During the summers I have had the opportunity to work for two outstanding paper companies: first at International Paper in Bucksport and this past summer at the Sappi Technology Center in Westbrook. Through each of these internships I have had the opportunity to work with incredible people, expand my knowledge of the industry, and develop engineering skills in real world applications. After graduation my hope is to begin a career in the industry I have grown to love over the past five years. Being a scholarship recipient has been a huge part of my life here at UMaine. I have been honored to be a part of the Foundation since the day my makeshift newspaper tower began to take shape.



Seniors John DeAngelis (left) and Marilyn Nichols (right) reflect on their tenure at UMaine.

UMaine Engineering PhD Candidate Completes Summer Internship with International Paper



My name is Yun Ji and I am from China. I got a B.S in Northwest University of Light Industry in China and a M.S in Asian Institute of Technology in Thailand. Being a Ph.D candidate in the University of Maine, I enjoy the beauty of Maine and work mostly in the lab. However, I did not have mill experience in the real world until recently.

From June to August, 2005, I had participated in a summer internship at International Paper's Mansfield Mill in Louisiana. That was a great experience in my life. When Peter Duncan asked me if I had any problem with heat, I told him heat was nothing to me because I had stayed in Bangkok for two years. However, when my car's air conditioner was broken in the Louisiana, I did feel the heat there. The engineers immediately helped me to fix the air conditioner because they knew I was from Maine and didn't know my way around. All the people are so kind to me. I have learned how to work with paper machines and how to work with people. It was fun to teach the operators a few Chinese words and sing a short song for them. And, they taught me English words and how to grab samples quickly and easily. The southern food is delicious especially catfish and crawfish.

This internship was my first time to see an American mill. I had wonderful experience there. And, the knowledge I have learned will benefit my whole life. I appreciate all the help from International Paper and The University of Maine Pulp and Paper Foundation.

Now More Than Ever!

a Membership Committee Update from Chair John Wolanski

As Chairman of the Foundation Membership Committee, I would like to point out that **now more than ever** the University of Maine Pulp and Paper Foundation is a valuable resource for the paper industry. With the prevalence of lean manufacturing, organizational restructuring, as well as mergers and acquisitions of both supplier and paper companies, the Foundation provides numerous value-added services for its members including:

- Supplying high quality graduate engineering students
- R&D services from The Pulp and Paper Process Development Center
- Pulp & Paper Summer Institute Program
- Quarterly paper mill luncheon meetings
- Annual Maine Paper & Supplier Industry Directory
- Annual Paper Days Paper & Supplier Industry Symposium
- Opportunities for business networking

Now more than ever, your annual contributions for company membership allow us to stay focused on our mission to develop a continuous stream of quality engineers for the paper industry.

I would like to welcome and thank our three newest Company Members who have generously decided to join the The University of Maine Pulp and Paper Foundation to support our students, the University and the industry.

The Companies are, **NewPage Corporation**; **CPT** and **Chemtrade Logistics**.



Thanks to Paul Deraiche and Craig M. Martin '89 from Cascades Auburn Fiber for hosting the Foundation's Membership Committee quarterly luncheon on July 1st. Pictured is the group of Foundation members and invited guests in attendance.

CPT

CPT is the specialty chemical wing of Chemical Products Corporation, a company founded in 1933 that principally produces barium and strontium compounds for microbiocides, additives for glass in television and computer screens, sodium silicate for deinking operations, and synthetic white liquor for Kraft mills.

CPT's mission is to produce and supply the highest quality Anthraquinone digester additives at the lowest possible cost to its customers without sacrificing customer service or satisfaction. We also custom design and manufacture specialty feed systems to insure our products are fed in the correct and proper fashion. We work closely with our fleet carrier and have on-hand bulk tank trucks ready and waiting so that quick and unexpected emergency deliveries are possible. CPT is capable of shipment by rail or other common carrier if better freight rates can be found.



Chemtrade is one of the world's largest suppliers of sulphuric acid, liquid sulfur dioxide (S02) and Sodium hydrosulfite (SHS) and a leading regional supplier of sulphur and sodium chlorate. Chemtrade obtains these products through long-term marketing services agreements and its own production facilities and distributes them to customers around the world.

The company can trace its history to 1912, when its predecessor CIL Inc. built a small chamber process sulphuric acid plant in Hamilton, Ontario. In 1930 CIL Inc. began manufacturing sulphuric acid from gases produced by a metallurgical process. Recent activities of Chemtrade have been in the area of growth through acquisitions.

In December of 2002, Chemtrade purchased the sodium hydrosulfite business from Clariant Inc. including a plant in Leeds, S.C. and Kalama, WA. In August of 2003 Chemtrade acquired the sodium chlorate and crude tall oil facility from Canfor in British Columbia. In August of 2005 Chemtrade acquired Peak sulfur and peak Chemical who operates plants in Louisiana and Texas. Chemtrade is a publicly traded income fund on the Toronto Stock Exchange.



NewPage Corporation is the largest coated paper manufacturer in North America. With more than 6,300 employees, the company operates five integrated pulp and paper manufacturing mills located in Chillicothe, Ohio; Escanaba, Michigan; Luke, Maryland; Rumford, Maine; and Wickliffe, Kentucky.

The Rumford mill produces coated one and two sided paper for books, magazines, annual reports, catalogs, and food and beverage labels. Operating four coated paper machines and one pulp dryer, its annual capacity is 540,000 tons of coated paper and 70,000 tons of market pulp.



Since 1993, the Rumford mill has been under the leadership of **Gary M. Curtis**, a 1973 graduate of the University of Maine Orono. Prior to coming to Rumford, Gary managed two other mills in Steilacoom and Vancouver, WA. He is an active Board member for Rumford Hospital and Androscoggin Home Care and Hospice and a former Big Brothers/Big Sisters volunteer. Gary lives with his wife, Karen in the Western Mountains of Maine and is an avid skier, bicyclist and outdoorsman.



Alumni Personals

Jeffrey A. Hamilton, 82, has been promoted to Director of Manufacturing Services with SAPPI Fine Papers NA, Skowhegan, ME.

Stephanie M. Picard, '86, has been named Mill Manager at International Paper in Vicksburg, MS.

Dean J. Smith, '90, has joined the University of Maine's Orono Campus as a Technology Transfer Specialist.

Charles V. "Chad" Allen, V., 99, has joined Cianbro in Pittsfield, ME as a Project Manager.

Raymond J. Heuchling, has been named Vice President of Business Development for Irving Forest Products.

Larry Parent, has joined the University of Maine's Advanced Engineered Wood Composite Center as Senior Research & Development Program Manager.

MARK YOUR CALENDAR UPCOMING FOUNDATION EVENTS

Paper Days 2006

April 5th & 6th, 2006

Pulp & Paper Summer Institute

June 13-16th, 2006

Consider Engineering

July 9-12th, 2006

July 16-19th, 2006

Complete program information for all programs will be available on our website starting in January.

www.maineulpaper.org

Northeast PIMA Awards Two Scholarships to UMaine Engineering Students

Each spring the Foundation receives a telephone call from Northeast Pima's Scholarship Committee Chair asking for recommendations and nominations of students who are interested in the paper and/or supplier industry and who might be interested in applying for one of their scholarships. Several of our current engineering students applied and two students were selected to receive scholarships. In September, Phil and Ginny Baker were on campus to present first year Chemical Engineering student Sarah Hodgins with her check. While visiting the Bakers also had the opportunity to meet and talk with Jessica Paul, senior Chemical Engineering student. Jessica will receive her scholarship at NE Pima's annual meeting in October.



From left to right, Pros Bennett, Phil Baker, Peter Duncan, Ginny Baker, Keith Hodgins and Sara Hodgins gather for the presentation to Sara of NE PIMA's first year student scholarship.



Chemical Engineering Senior Jessica Paul (right) says "thank you" to Phil Baker for her NE PIMA scholarship.

2006 Pulp & Paper Summer Institute Scheduled for June 13 - 16th, 2006 in Orono - New "INTRODUCTION TO PAPERMAKING" Program Offered



For 46 Years The University of Maine has sponsored a Summer Institute bringing technical instructors together to lecture and lead discussions on various aspects of pulp and paper technology. The program has been directed primarily to operations and technical support personnel. However, others from the business and supplier side will find this program useful in supporting their day-to-day decision making process.

WE HAVE A NEW PROGRAM with the objective of providing a working view of the paper industry as background for participants to be more effective in their role on the business side of the forest, paper and related industries.

THE 2006 SUMMER INSTITUTE WILL:

- **OFFER** hands-on exposure to pulping, papermaking, and paper testing starting with experience in our Pulp & Paper Process Development Center and end with real time tours of a printing facility and a paper mill.
- **TEACH** participants about chipping logs, cooking chips, bleaching pulp, making and testing paper by "touching" the process on a laboratory scale and then see how it all comes together on a full-scale production basis.
- **INTRODUCE** you to senior industry managers where you will have the opportunity to learn about the new role of the chief financial officer in today's business and about decisions that are made in the morning production meeting that drive the business day to day.
- **PROVIDE** new insight from leading industry consultants featuring a multidimensional global forecast and a view of North American competitiveness in a global market.

2006 Executive's Panel

"Critical Personal & Professional Choices"

Industry leaders will describe their "Critical Personal & Professional Choices." Then we invite program participants to join a "Town Meeting" question and answer session about the industry's current development and future trends in business and technology.

Register Today - Space is Limited

Class space is limited to 50 participants. Program cost is \$1200 per person and includes program notes, refreshment breaks, lunch each day, 2 receptions, 1 banquet, and one new england shore dinner.

Telephone registrations are welcome. Call Faye Woodcock Murray at 207/581-2297 or email Faye at woodcock@maine.edu. Registrations are processed in the order they are received until all class spaces are full.

A complete program brochure is available on our website at www.maineulpaper.org.

2006 Pulp & Paper Summer Institute SCHEDULE

Tuesday, June 13th

- | | |
|-------------------|--|
| 7:30 - 8:30 a.m. | Registration (Soderberg Atrium) |
| 8:30 - 12:00 p.m. | Papermaking Process Overview
Michael Bilodeau, Director
Pulp & Paper Process Dev. Ctr. |
| 12:00 - 1:00 p.m. | Lunch |
| 1:00 - 4:00 p.m. | Whole Logs Through Bleaching Lab
Featuring Mechanical Pulping and
Chemical Pulping
(Hands-On/Demonstration) |

Wednesday, June 14th

- | | |
|-------------------|---|
| 8:00 - 12:00 p.m. | "Hands-On" Papermaking |
| 12:00 - 1:00 p.m. | Lunch |
| 1:00 - 4:00 p.m. | "Hands-On" Paper Testing |
| 4:00 - 9:00 p.m. | Networking Opportunities
Acadia National Park Tour
New England Shore Dinner |

Thursday, June 15th

- | | |
|--------------------|--|
| 8:30 - 9:30 a.m. | A CFO Perspective of the Industry |
| 9:30 - 10:30 a.m. | Strategic Production Decisions |
| 11:00 - 12:30 p.m. | Coating & Printing - The How & Why's |
| 12:30 - 1:30 p.m. | Lunch |
| 1:30 - 3:15 p.m. | Global Forecast |
| 3:30 - 5:00 p.m. | North American Competitiveness |
| 5:00 - 6:00 p.m. | Reception |
| 6:00 - 7:30 p.m. | Banquet |
| 7:30 - 9:00 p.m. | Executive's Panel
Critical Personal and
Professional Choices |
| 9:00 - 9:30 p.m. | Certificate Presentation
Graduation |

Friday, June 16st

- | | |
|--------------------|---|
| 8:30 - 10:00 a.m. | The Printing Process & Tour
UMaine Printing Services |
| 10:30 - 12:00 p.m. | Tour of Georgia-Pacific's
Old Town, ME Facility |

Return Service Requested

“Consider Engineering” Provides College-Bound High School Students an Introduction to Engineering and The University of Maine

In July 58 academically gifted high school juniors visited UMaine to participate in this year’s “Consider Engineering” program. The students were selected from applications submitted from Maine and several northeastern states.

The “Consider Engineering” program offered students the opportunity to spend four days on campus exploring the engineering curriculum and the engineering profession. Students were challenged as they developed team work skills while completing engineering laboratory experiments.

Students have the opportunity to tour one of Maine’s paper mills after participating in a papermaking and hands on lab project in our pilot paper plant. Students attending the first week of Consider Engineering toured Lincoln Tissue & Paper in Lincoln, and students attending the second week toured Georgia Pacific’s Old Town mill.

A highlight of this summer’s program was our “I AM an Engineer” game where students worked in teams competing against each other solving challenging mathematical and engineering problems.

For more than 35 years the Foundation’s Consider Engineering summer program has provided more than 2300 high school students the opportunity to learn about the challenges of engineering before making college decisions. The summer program is the best recruiting tool we utilize to attract students to UMaine and to the paper industry.

The 2006 program has been planned and will be held in two sessions July 9-12th and July 16-19th. Applications for the 2006 program will be mailed to schools in February, 2006 and will also be available on the Foundation’s website at www.maineulpaper.org.



Georgia-Pacific co-op students acted as tour guides for Consider Engineering program participants. Pictured from left to right, Jessica Paul (ChE senior), Rebecca Saucier (ChE senior), Peter Duncan, Foundation Director, Aimee Patterson (ChE Senior), Codi Slike (ChE Junior) and GP Engineer Mike Byrd.

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