

The Dandy Scroll

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Polishing the Brand. . .

A message from Executive Director, Peter Duncan

From time to time I have commented about the quality of students receiving scholarships from this Foundation. But the essence of student quality has best been captured by the Foundation Chairman, Lee Bingham and President, Peter Vigue in the 2003 annual report. They noted that "128 UMaine Pulp & Paper Foundation students achieved an average GPA of 3.66 in some of the most difficult course on this campus vs. an average GPA of 2.77 for the entire undergraduate student body. Beyond scholarship our students demonstrated leadership with six students enrolled in the honors program; five engaged in varsity athletics; two Senior Skulls; two All Maine Women; the president of Tau Beta Pi; two Sophomore Owls; two Sophomore Eagles and several other students receiving recognition awards." The UMaine Pulp & Paper Foundation Brand shines.

To see the Brand shine there has to be a reason to look. And the reason is growing exponentially as this Foundation teams with other University factions that have a vested interest in the success of the Forest and Paper Products Industry.

We have been an active supported of the UMaine Pulp & Paper Process Development Center (PPPDC), convincing the university to establish a full-time director, and we agreed to partially fund the position for three years. In a little more than a year this program has exceeded expectation. Growth of PPPDC is timely as forest and paper related industries rely on universities that are staffed and equipped to provide quality

Polishing the Brand - continued page 2

Delmar R. Raymond of Weyerhaeuser Company and John A. Luke, Jr., of MeadWestvaco Lead 54th Annual Pulp & Paper Open House

The Pulp & Paper Foundation's 54th Annual Open House welcomed more than 230 industry guests on April 15th and 16th. Participants enjoyed a variety of speakers and topics ranging from the Forest, Wood and Paper Industry Agenda to Publishing Business Trends, to the Future of Forest and Paper Products and Reflections on the Diversification of Stock Market Risk in 2004. Guests were also invited to meet current graduate students and learn more about their research projects in a Friday morning poster presentation.

Open House Opened With 3rd Annual Members Luncheon.

Membership Committee Chair, John Wolanski and committee members welcomed Foundation guests to the third annual members luncheon. John introduced luncheon speaker, David J. Refkin, Director of Sustainable Development, Time Inc. who spoke about the Sustainable Forestry Initiative and it's importance to the Industry. In addition David talked about the "marketability" of "The Maine Brand".

Thursday Afternoon Presentation – "Achieving the Forest, Wood and Paper Industry Technology Agenda in the United States"

Our afternoon speaker was Delmar R. Raymond, Director Strategic Alternatives, Weyerhaeuser Company who presented "Achieving the Forest, Wood and Paper Industry Technology focusing on Agenda 2020. Following his presentation Mr.

54th Annual Open House - continued page 2



A Highlight of the 2004 Open House Program was our Student/Industry Panel. From left to right: Marilyn Nichols, Junior, Mechanical Engineering; Cari Powers, Senior, Civil Engineering; Kate Trinward, Senior, Chemical Engineering; Del Raymond, Director Strategic Energy Alternatives, Weyerhaeuser Company; Mike Chasse, Senior, Electrical Engineering; Matt Kilbourn, Senior Chemical Engineering and Ryan Wadsworth, Senior, Chemical Engineering.



Continued - Polishing the Brand

research and technical support on a timely basis. In May your Foundation and the PPPDC will share a promotional booth at TAPPI's Paper Expo in Atlanta, GA, polishing the Brand together.

From early January through Open House we worked with the College of Natural Science, Agriculture and Forestry to develop a concurrent session at Open House for senior level industry stakeholders. This session, "Sustainable Forest and Paper Industry Changing Paradigms" brought landholders, wood and paper product manufacturers, and buyers of wood and paper products together to open a dialog on how providers of wood and manufacturers of wood and paper products can work to add value to consumers. Three panels comprised of the leadership of our related industries spoke to long term strategies and common problems, and proposed some solutions. This session was well received with considerable news coverage both in the press and on TV, resulting in more polishing of the Brand.

Meanwhile, our annual Open House banquet started with a video presentation with clips showing how the Department of Chemical and Biological Engineering, Forestry, PPPDC and the Foundation are working together. The highlight of the evening featured an upbeat message delivered by John Luke, Jr., Chairman of MeadWestvaco.

For the last two years the UMaine Pulp & Paper Foundation has provided a forum for industry stakeholders to come together to air and work on common problems. In doing so we are discovering the depth of talent at this University. You can be sure that representatives of other colleges and departments will join with us as we move forward. As we polish the Brand we will continue to raise the bar in providing human resources in the form of quality engineers and foresters, product and market research, and technical support for the forest and paper related industries. And, we will continue to provide forums where stakeholders can come together to work on common issues with the objective of strengthening the ability of the forest and related paper industries to add customer value.

Continued - 54th Annual Open House

Raymond responded to questions from our six-member student panel before opening the floor to questions from the audience at large. Lou Boos of Nordic Engineering served as the moderator of our Student/Industry panel.

The panel discussion was followed by a special presentation from Dr. Charlie Slavin, Director of the UMaine Honors College and Professor of Mathematics. In his presentation, Dr. Slavin stressed the importance of the Honors College to UMaine and the College of Engineering. Currently there are six Pulp & Paper Foundation scholarship recipients who are taking honors classes as part of their degree program at UMaine.

Following Dr. Slavin, Soma Coulibaly, Vice President, Houghton Mifflin Procurement was introduced and spoke to our audience about Publishing Business Trends.

Following the Foundation's Annual Meeting Open House participants had an opportunity to rekindle old friendships and make new acquaintances at a social hour before dinner.

Thursday Dinner Speech – The Future of Forest and Paper Products"

MeadWestvaco's Chairman & Chief Executive Officer, John A. Luke, Jr., spoke about how the UMaine Pulp and Paper Foundation is preparing talented young people for our industry's future



Del Raymond, Weyerhaeuser Company receives congratulations from Peter Duncan following his Open House presentation.

and how they are preparing for that future at MeadWestvaco. Mr. Luke went on to say, "I'll also make a few comments about the state of American manufacturing and why it remains vitally important. And finally, for students attending tonight, I'll offer a few thoughts about planning a career in our industry".

Complete copies of Mr. Luke's dinner speech can be obtained by calling the Foundation Office at 207/581-2297.

Another feature of the Open House banquet was the presentation of new bronze plaques noting the establishment of endowed scholarship funds and recognizing the growth to USA Scholars Endowments of several other scholarships since the last Open House banquet in 2003.

The closing event of the evening was the presentation of the Foundation's 2004 Honor Award to James G. Crump. He was recognized for his activities which have helped to improve the reputation of the University of Maine for excellence within the pulp and paper industry.

Our program continued on Friday Morning with our Breakfast Seminar session presented this year by Dr. Robert Strong, Professor of Finance who spoke to our audience about Reflections on the Diversification of Stock Market Risk in 2004. The Open House concluded with our Pizza Party Luncheon.



John A. Luke, Jr., Chairman & CEO, MeadWestvaco Corporation was the speaker at the 2004 Open House Banquet.

Second 2004 Open House Concurrent Session - Sustainable Forest & Paper Industry Changing Paradigms

Last year it was the year of government as our 1st concurrent session explored the importance of bringing stakeholders [Management, Labor, Environment, & Government] together. The objective was to get stakeholders to engage in open dialog and develop ideas on how to move forward. Governor Baldacci gave us a day's work, including a key note address, and by our metrics it was a successful conference and a good addition to our Open House program. It was the largest Open House turn out ever.

Based on the success of last year we thought it worthy of doing again. The question was "What else can draw stakeholder interest like the government?" It was suggested that the paper industry customer would draw as well as government. But as this program began to unfold we began to dialog on another aspect of paper making; namely, trees. The vast forest of Maine and of many other states and regions has come under new ownership as paper companies have chosen to divest holdings, primarily to pay down debt. And new owners have laid down a different protocol in managing their holdings. Among other thoughts, new land owners are interested in building relationships with customers and in establishing new long term forest management practices. Accompanying words such as sustainability and certification are often

spoken. But the less spoken word is profit. Past practice by much of the paper industry was to pay for forest management and ultimately wood fiber via a transfer price. New ownership thinks about other measures of return, be it ROI, ROE, etc. These changes resulted in a particularly difficult winter for wood supply to the paper industry.

This comes at a time when the paper industry is experiencing the lowest prices in the last 10 years with some grades producing half of the selling price of 10 years ago. As we are looking for a turnaround in the paper industry, companies are caught between the rock [rising wood prices] and the hard place [market prices.]

To further complicate our planning, we learned about the problems confronting the wood cutters and haulers. This fictitious want ad from a recent newspaper article by Professor Andy Egan tells a lot about the situation – "Workers needed: Low pay, no benefits, dangerous working conditions, performing work that has little or no occupational prestige, but a high degree of uncertainty and instability. Enjoy up to three months or more of mandatory unpaid leave per year. No Paul Bunyan wannabes."

Still, the discussions brought us back to the customer for forest and paper products. The resulting program that unfolded

was to "connect the dots" by engaging representatives from land owners and wood suppliers, buyers of paper and wood products, and paper & wood product manufacturers. In joining forces with the College of Natural Science, Forestry, and Agriculture, especially in the person of Dr. Robert Rice a three panel session was developed and presented to industry stakeholders.

This concurrent session was facilitated by Jim Giffune, a recognized industry leader who managed to orchestrate 15 senior level executives from related industries. In addition, Jim moderated the summing up panel which included three panel moderators and Jack Cashman, Director of Economic & Community Development.

Rather than speak to degrees of success, it can be noted that the mission was accomplished. Speakers were candid and open regarding their respective businesses. Many spoke about long range plans, relationships with customers, the changing nature [paradigms] in our related industries, and especially the chain of relationships and the impact of each link, on the stewardship of our natural resources. Some of the comments were laid in smooth and some blunt. But we did witness an event that spoke to how wood suppliers and forest product manufacturers are working to add value for the customer—and for the environment.

UMaine 2004 Energy Challenge Snowboarding Team Takes Fourth Place in Competition

The University of Maine Engineering Energy Challenge Team placed 4th in Competition at the Institute of Paper Science and Technology's annual Energy Challenge. The event is sponsored by the U.S. Department of Energy and IPST. It's purpose is to encourage students to develop engineering designs that save energy and utilize waste recycling and reuse.

During the competition snowboards were subjected to stress tests and raced down a short course. Students also presented information before a panel of judges and submitted written materials to demonstrate how their products met the technical criteria for energy use, recycling and composition.

UMaine was one of 14 schools nationwide taking part in the competition. First place winners were the Miami University (Ohio) team followed by 2nd place winners, Savannah College of Art and Design, and 3rd place winners, Pasadena City College.



2004 Energy Challenge - University of Maine Team - (front row from left to right) Jennifer Saucier, ChE, Mike Byrs, ChE; Stephanie Fisher, ChE; Jay Mitchell, ChE; Janelle Lavoie, ChE; (back row left to right) Joshua Higgins, ME; Joe Ramos, ChE; Kristy Palmer, ChE; Lara Smart, ChE; Andy Sawyer, ChE; Tim Davis, ChE; Ryan Wadsworth, ChE and Professor John Hwalek, Energy Team Advisor.



2004 University Maine Pulp & Paper Foundation Honor Award to James G. Crump

The 2004 Pulp & Paper Foundation Honor Award, in recognition of activities that improve the reputation of the University of Maine throughout the paper and supplier industries, was presented at the April Open House banquet to James G. Crump.

Jim, a 1984 graduate of The University of Maine with a B.S. Degree in Paper Technology started his paper industry career with Great Northern Paper. Then, for 16 years, until 1981, he worked with various units of Boise Cascade Corporation as Assistant Manager, Manufacturing at International Falls, MN, Manager of Manufacturing-West in Portland, OR, and Vice President Manufacturing at Boise Cascade Southern in Deridder, LA.

In 1981 he joined Nekoosa as Vice President - Manufacturing responsible for the Nekoosa Paper Operations in Wisconsin and Arkansas. He was named the company's Executive Vice President in 1984 and President in 1985. In 1989 he was named Executive Vice President of Great Northern Nekoosa. In 1990 he was named Executive Vice President of Georgia Pacific where he was employed until his retirement.

In his presentation at our Open House Ceremony, Roy Barry, Chairman of the Foundation's Honor award committee said, "Our recipient is a significant benefactor of our foundation through donation to many scholarship funds. He established an International Scholarship in his family name in 1992. Our Honor Recipient has been a strong supporter of this Foundation by participation in Foundation activities. He is a member of our Investment Management Committee and serves on our Board of Directors". Roy went on to say, "Our honor award recipient has a good eye for hiring great people and over the course of his career was responsible for hiring Tom LaHaise, Bob Martin, Eli Karter, Ray Taylor, and indirectly Lee Bingham and other UMaine Pulp & Paper Foundation graduates". The Honor Award is designed for a person who has improved the reputation of the University of Maine for excellence within the pulp and paper industry.

Due to a longstanding prior commitment, Jim was unable to attend the 2004 Pulp and Paper Foundation Open House banquet. Foundation's Executive Director Emeritus, Stan Marshall was asked by Jim to deliver the following message. "Though unexpected, it's an honor to receive this Pulp & Paper Foundation Award. Thank you very much.

I thoroughly enjoyed my time in the pulp and paper industry during my nearly 40-year career. Any success I had along the way I attribute to the fact that I attended the University of Maine and participated in the Pulp & Paper Program. This experience prepared me well for the challenges I would face. For that reason I am indebted to the University of Maine Pulp & Paper Program. And because of that I have tried over the past few years to give a little something back".



James G. Crump (left) is accepting the 2004 Pulp & Paper Honor Award from Executive Director Peter Duncan (right) at a recent Investment Management Committee meeting.

Republic Paperboard Joins the Pulp & Paper Foundation

John Wolanski, Membership Committee Chair, is pleased to announce our first new paper company Foundation member of 2004; Republic Paperboard in Lawton, OK. According to John, "It is encouraging to see paper company membership benefits of the University of Maine Pulp and Paper Foundation extend beyond the Northeast to mills like Republic in Oklahoma. The Foundation membership continues to broaden its horizons."

Republic Paperboard manufactures 100% recycled paperboard used in the production of Gypsum Wallboard and also manufactures specialty recycled containerboard grades. Republic Paperboard has one manufacturing facility in Lawton, Oklahoma and the new Voith Line is unique in that it utilizes two gap formers to make a 4 ply sheet. The mill was built in 1999. The Republic group was purchased by Eagle Materials (then Centex Construction Products) shortly after the mill was built. The purchase included the mill, a modern wallboard manufacturing facility located in Duke, Oklahoma, and other assets that are no longer part of the Eagle Materials Businesses.

Republic Paperboard Company LLC is a wholly owned subsidiary of Eagle Materials, Incorporated (NYSE: EXP). Eagle materials prior to February 1, 2004 was known as Centex Construction Products (NYSE: CXP). Sixty percent of CXP's stock was held by the Centex Corporation and as a result of a tax-spin off last February is completely independent from the Centex Corporation. The Spin off was done to allow Centex to focus on their very profitable home building business and allow Eagle Materials to continue their strong financial performance and to reinvest in its core businesses and generate even stronger shareholder value.

Jeff Dutton, UMaine Class of 1986, is an Executive Vice President of Eagle Materials and the President of Republic Paperboard Company, LLC. Jeff explains why Republic became a company member: "Republic Paperboard's membership in the Foundation is focused on two benefits. The first is to have access to quality engineering students for co-op and employment opportunities at the mill. Second is to tie into the paper industry R&D network through the UMaine Product Development Center pilot plant that is managed by Mike Bilodeau. We are proud to be a company member of the Foundation."

2004 UMaine Pulp & Paper Summer Institute Scheduled for June 15-18, in Orono

Scope of Program

The Summer Institute is designed to help you learn the breadth of the industry's processes while inviting you to probe, as deeply as you wish, into any particular area of personal interest. You will be taught by people at the forefront of knowledge in areas including pulping, papermaking, and machinery development. Lecturers are all experienced professionals selected on the basis of their knowledge, experience and proven teaching ability. They will be available to answer your individual questions before or after each presentation. As an optional supplement to classes, you will have an opportunity, at no additional cost to tour one of Maine's mills. A highlight of the Institute will be an Executive's Panel where you can ask corporate officers about the industry's current developments and future trends in business and technology.

Improve Job Effectiveness

The University of Maine Pulp & Paper Summer Institute has helped more than 5,000 people from more than 400 companies in virtually every state and many countries as they develop their careers. Many participants are industry new-comers seeking to improve their job effectiveness quickly. Others are experienced at their current jobs and are preparing for greater responsibility. Sales and marketing people who are interested in strengthening their company's product line and its applicants have found the Institute to be an excellent source of information and personal contact. Similarly, people in administration, finance and personnel have found the Institute has helped them to understand the processes which they support from their positions of staff responsibility.

Reasonable Cost

The Summer Institute is held in June when the campus is at its peak beauty and the University has available classroom, laboratory and presentation facilities that are among the best anywhere. The registration fee for the Institute includes the welcoming social, lobster/steak banquet, intersession refreshments, lunch each day, and complete lecture notes.

PULP TECHNOLOGY SESSION

TUESDAY, JUNE 15

- 7:30 – noon **Registration**
- 8:30 – 11:45 **Pulping & Papermaking Process Overview**
MICHAEL BILODEAU, Director
UMaine Pulp & Paper Process
Development Center
- 1:00 – 5:00 **Chip Production & Quality**
WILLIAM S. FULLER, Fiber Raw
Material Consultant, FRM Consult.
- 5:00 – 6:00 **Welcome Reception**

WEDNESDAY, JUNE 16

- 8:00 – 12:00 **Kraft Pulping**
DAVID J. LEBEL
Manager Process Technology
Andritz, Inc.
- 1:00 – 5:00 **Mechanical Pulping**
MARC SABOURIN
Global Director Process Dev.
Andritz, Inc.
- 5:00 – 6:00 **Reception**
- 6:00 – 7:00 **Lobster/Steak Banquet**
- 7:15 – 8:45 **Executive's Panel**
TED KENNEDY, Vice President
Georgia-Pacific Corp. (moderator)
DEBBY FECK, General Manager
Domtar, Inc.
KEITH MEYER, Exec. Vice. Pres.
Andritz, Inc.
RALPH FECK, Vice President
Georgia-Pacific Corporation
Old Town, ME Operations
- 8:45 p.m. **Presentation of Certificates**

THURSDAY, JUNE 17

- 8:00 – 12:00 **Kraft Recovery Process & Equipment**
CHRIS VERRILL, Senior Associate
Inst. of Paper Science & Tech.
- 1:00 – 5:00 **Pulp Bleaching & New Developments in Pulping & Bleaching**
RICHARD ELLIOTT
Technical Director (retired)
Longview Fibre Company

PAPER TECHNOLOGY SESSION

TUESDAY, JUNE 15

- 7:30 – noon **Registration**
- 8:30 – 11:45 **Pulping & Papermaking Process Overview**
MICHAEL BILODEAU, Director
UMaine Pulp & Paper Process
Development Center
- 1:00 – 2:00 **Fillers**
ANDREW R. NEGELE
Technical Service Mgr.
Englehard Corporation
- 2:00 – 3:00 **Dry & Wet Strength Additives**
TODD JORDAN, Sr. Appl. Engineer
Hercules Incorporated
- 3:15 – 5:00 **Wet End Retention, Microbial, Foam & Contaminant Control**
LARRY HUTCHINSON,
Director of Technical Support
Nalco Company
- 5:00 – 6:00 **Welcome Reception**

WEDNESDAY, JUNE 16

- 8:00–noon **Paper Machine Wet Ends & Practical Papermaking**
TOM KAST, Mgr. App. Tech.
Voith Paper, Inc.
- 1:00 – 2:45 **Stock Preparation**
WILLIAM STEVENS
Mgr. Engineering Services
Hill Engineering Inc.
- 3:00 – 5:00 **Fundamentals of Wet Pressing**
WILLIAM MADDOCK,
Technology Specialist
Albany International
- 5:00 – 6:00 **Reception**
- 6:00 – 7:00 **Lobster/Steak Banquet**
- 7:15 – 8:45 **Executive's Panel**
TED KENNEDY, Vice President
Georgia-Pacific Corp. (moderator)
DEBBY FECK, General Manager
Domtar, Inc.
KEITH MEYER, Exec. Vice. Pres.
Andritz, Inc.
RALPH FECK, Vice President
Georgia-Pacific Corporation
Old Town, ME Operations
- 8:45 p.m. **Presentation of Certificates**

THURSDAY, JUNE 17

- 8:00 – 9:45 **Drying & Dry End Operations**
GREG WEDEL, V.P. Market. & Tech.
The Johnson Corporation
- 10:00–11:00 **Paper Finishing/Winding**
MIKE DAUL, Tech. Sales Manager
Metso Paper USA
- 11:00-noon **Papermaking Problem-Solving Town Meeting**
- 1:00 – 2:45 **Coating Materials & Processes**
AL OSGOOD, Sr. Project Ldr.
SAPPI Fine Paper North America
- 3:00 - 5:00 **Printing**
DAVID NILES, Mgr. Printing Tech.
SAPPI Fine Paper North America

**Summer Institute Registrations
can be made by telephone**

please contact

Faye Woodcock Murray
at the Foundation Office
Phone 207/581-2297

Complete program brochure available on our
website at www.maineulpulpaper.org



2004 Teacher Recognition Awards Presented at Open House Annual Meeting

William LoPotro, biology teacher at John Bapst High School in Bangor, was recognized by the Pulp & Paper Foundation with its 2004 Teacher Recognition Award for Programming Excellence.

Mr. LoPotro was nominated by Samuel Boyd a participant in our 2003 Consider Engineering program and current senior at Brewer High School. In his nomination of Mr. LoPotro, Ryan wrote, "Mr. Lopotro taught biology and I had only heard positive remarks regarding him and his classes. His stellar reputation encouraged me to challenge myself and take an A.P. class as a sophomore. From the first day of class, I immediately recognized his talents as a teacher. His lectures were interesting and he made the material intriguing and fun to learn. He gave our class innumerable opportunities to take education beyond our textbooks. We did labs in class along with traveling to UMaine to do the same labs as university students. Five students in my class attended the National Youth Leadership Forum on Medicine in Boston because of his encouragement and support. Mr. LoPotro is one of the most fantastic people I have ever been taught by".

Tom Simmons, mathematics teacher at Woodland High School in Baileyville, has been recognized by the Pulp and Paper Foundation with its 2004 Teacher Recognition Award for Sustained Excellence.

Mr. Simmons was nominated by two students, current Pulp and Paper Foundation scholarship recipient, Tyler Townsend, and Beth Covey, a participant in our 2003 Consider Engineering program.

In his nomination, Tyler said, "Mr. Simmons was my trig and calculus teacher my junior and senior years of high school. I felt he prepared me excellently for my college career." In her nomination, Beth said, "Mr. Simmons has inspired many students from Woodland High School, including me, to pursue an engineering program in college. Students who have had Mr. Simmons as a calculus teacher are well prepared for college. He teaches at a fast pace, but he teaches in a way students can grasp. Not only am I prepared for college, but I am prepared to study and work hard next year thanks to Mr. Simmons."

Each year the Foundation solicits nominations of outstanding math and science teachers from current scholarship recipients and high school students who have attended our Consider Engineering Summer program or participated in one of our fall Career Exploration Seminars. The awards are made at our Annual Meeting as part of our Open House each April. Barbara Hamilton, Project Manager at The Fitch Company and chair of the Foundation's Educational Relations Committee, which sponsors the award said, "It is extremely important to recognize excellent physical science and mathematics teaching because our industry needs students who want to become engineers and work for our industry".



Barbara Hamilton, Educational Relations Comm. Chair, presents William LoPotro of John Bapst High School the Foundation's 2004 Award for Programming Excellence.



Barbara Hamilton, Educational Relations Comm. Chair, presents Tom Simmons of Woodland High School the Foundation's 2004 Award for Sustained Excellence.

Annual Meeting Receives Reports, Elects Officers, and Adopts 2004 Budget

At the 2004 Annual Meeting of Members, held as part of the 2004 Open House program, new officers were elected, committee reports presented and the Foundation's 2004 budget was adopted.

Lee M. Bingham, Senior Vice President, SCA North America, LLC and Peter Vigue, President, Cianbro Company will continue their terms as Chairman and President of the Foundation.

Five new Directors at Large were elected: Gary M. Curtis, Mill Manager, Mead Publishing Paper Division, MeadWestvaco Corporation; John A. Donahue, Mill Manager, SAPPI Fine Paper North America; Robert J. Keller, Senior Vice President, Kemira Chemicals, Inc.; Trent Shute, Chief Financial Officer, SCA Packaging North America; and James E. Thorpe, President, Bercen Inc. Other officer's terms were continued through 2004.

The Foundation's budget was approved designating \$525,000 for student support. The Scholarship Committee expects to award full tuition scholarships to up to 100 upperclass students and \$1000 stipends to up to thirty first year students.

Funding was also approved for the continuation of our summer "Consider Engineering" program for students with high ability in math and science. In addition, the Foundation will continue its "Engineering Career Exploration Seminar Series" offered throughout Maine and nearby states during the fall.

Foundation support for the University in 2004 will include salary supplements for three Professors. In addition, the Foundation will provide honoraria to faculty who teach summer chemical and biological engineering courses that allow the co-op program to be offered. The Foundation will continue to provide funds to update computer software and hardware and will also continue to sponsor faculty travel and the Distinguished Lecture Series.

Committee reports were presented briefly. Full reports are provided in the Foundation's printed 2003 annual report. Copies are available upon request by calling the Pulp & Paper Foundation Office at 207/581-2297 or by sending email to pulpaper@maine.edu.

Alumni Personals

William Gill, '70, recently joined Longview Fibre Co., Longview, WA, as Chief Engineer.

Dick Picard, '75, has joined Cascades Boxboard Inc., Toronto, Canada as Mill Manager.

Jeff Hamilton, '82, has joined SAPPI Fine Papers Skowhegan, ME mill as Intergrated Manufacturing Manager.

Mark Bolduc, '84, recently purchased The Fitch Company upon John Fitch's retirement. The Fitch Company currently employs 11 UMaine Engineering alumni.

Stephanie Cross, '84, has been promoted to Human Resources Manager at SAPPI Fine Papers in Skowhegan, ME.

Jeff Dutton, '86, is now President of Republic Paperboard Company, LLC in Lawton, OK.

Marco L'Italien, '86, has joined Domtar, Inc., in Baileyville, ME as Senior Technical Assistant.

Mark Hallowell, '90, is now Product Development Engineer at Nexfor Fraser Papers in Berlin/Gorham, NH.

Dan Ludden, '92, has joined Georgia Pacific's Old Town, ME mill as Converting Technical Assistant.

Jason Lyons, '93, has joined Georgia Pacific's Old Town, ME mill as Senior Process Engineer.

Heather DuBois, '96, has joined Johnson & Johnson as a Sales Representative.

Carrie Enos, '99, has joined SAPPI Fine Papers in Skowhegan, ME as Paper Machine Shift Supervisor.

Recent Upgrades in The University of Maine Process Development Center (PDC)



Over the past year, the PDC has made some significant upgrades to the facility and improved the quality of our services. The following outlines some of the advances.

Expanded Pilot Pulping Capabilities

- **RDH Digester.** The PDC has added new pulping capabilities which allow a broad range of pulping technologies to be simulated at the pilot plant scale. A new Rapid Displacement Heating (RDH) (7 liters) digester can simulate the latest in displacement batch cooking technology and will be used to explore novel cooking schemes to produce new products from lignocellulosic feedstocks.
- **M/K digester** (10 liters). Our M/K digester is now available and is capable of performing a wide range of cooking chemistries including soda, soda/AQ, kraft and sulfite.

These digesters, together with the existing rocking digester, give clients of the PDC the broadest range of pulping pilot equipment anywhere in the industry.

Refiner Loop

- **Monoflow 20" Refiner.** The pilot plant, with the help of GL&V, has recently upgraded our 20" double-disk to a monoflow 20" refiner. We now can offer a wider range of refining intensities that can more closely match mill conditions.
- **On-line Freeness** (Available Soon). In the near future, the PDC will add an on-line freeness tester. This will help document fiber development on a real-time basis and further add value to clients using the refiner loop to optimize furnish selection and product development.

Improvements to the Paper Machine

- **Upgrade to increase capacity.** The installation of a fan pump motor on the pilot paper machine has provided higher flows through the headbox. We are now able to run a finer screen basket in our pressure screen, and thus, get more impurities out of the stock. The increased flow capacity also allows for lower headbox consistencies, resulting in improved sheet formation and a higher quality of paper being produced.
- **Addition of an on-line retention meter.** The on-line retention meter allows the pilot paper machine to better monitor steady-state conditions. This improves precision, lets the researcher know when process conditions have been met, and allows for a greater number of conditions to be achieved during a machine trial.

Expanded Capacity in our Hot Soft Nip Calender

We now have the capacity of calendering at higher temperatures with either poly-steel or steel-steel nips. This permits development of a wider variety of paper surfaces.

These are just a few of the improvements to our services. To find out more about the Center and how we can support your research needs, please give Mike Bilodeau a call. You can reach him at 207-581-2387, or by email at mbilodeau@maine.edu.

Return Service Requested

Peter W. Hart Presents an Endowed Scholarship Fund

The Peter W. Hart Scholarship was presented by Peter at the Foundation's April Open House. The Hart Scholarship will be awarded each year by the Foundation's Scholarship Committee to a deserving student who is interested in preparing for a paper industry related technical career by studying engineering at The University of Maine.

In making the presentation of his scholarship, Peter said, "My University of Maine Education is important to me. This is my way of saying "thank you" to the Foundation for offering me a scholarship as an undergraduate at UMaine".

Peter is currently a Senior Research Chemical Engineer at MeadWestvaco Corp., in Chillicothe, OH.

Additional information about the Hart scholarship, and other scholarships offered by The University of Maine Pulp & Paper Foundation is available from the Foundation's Office at 5737 Jenness Hall, Orono, ME 04469, or by calling the Foundation at 207/581-2297.



Foundation Executive Director Peter Duncan accepting the Peter W. Hart Scholarship from Peter Hart at the 2004 Pulp & Paper Foundation Open House Banquet.

More than 90 Students Applied to "Consider Engineering" Summer Program Scheduled for July in Orono

Sixty Invitations were extended to applicants of this summer's "Consider Engineering" program for academically talented high school juniors. More than 90 applications were received for 60 class spots available in the program.

This summer's program will introduce students to the field of engineering, introduce students to practicing engineers and college students as well as offer a sample of "college life". The Consider Engineering Program is the Foundation's best recruiting tool for entering first year students.

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