Director’s Message

By Eugene C. Sabo, P.E.
Indiana State University – Terre Haute, IN

Well; it’s already the third week of February, where did the first month of the year go?

I’d like to welcome the newest member to the PUPID executive board; Paul Burnett has agreed to help me as my Director-Elect (taking over as Director in 2011. Thanks and welcome to you, Paul!

Well, there’s less than two weeks until the end of this month until the 2009 PUPID scholarship deadline. Please, get the word out that we have a $1000 scholarship to give away. If you know of any deserving student, urge them to go to the PUPID website look at last years scholarship winners, fill out the application and email it to Mike Waller. Let’s not miss the chance to give away some of our scholarship endowment money. Spread the word!

PUPID membership is slowly dwindling, it is now at 417 members. How can we get back to the 1996 membership level of around 1900 members? There are 59 of you that are on the active grace period of your membership (meaning that your membership has, in fact, expired but you have three months to renew without a lapse). Make sure that you check for your name on the list on page four of this newsletter and, if it’s there, renew now! Don’t forget to take advantage of the new ISA membership benefit of two division memberships included in you ISA dues.

I want to challenge ALL OF YOU to send me a couple of paragraphs telling me what you are doing in your part of the world. You can send me either some good news about some new and fun project you’ve been working on lately OR simply vent your frustrations with the state of the world (I’ll make your quotes anonymous if you want!)

We are looking at having a Spring Symposium this year with the TAPPI North Carolina section this spring. We can have it at ISA HQ in Research Triangle Park. Call me if you can help develop the program.

Well, I’ll sign off now until next time; keep watching the PUPID website for upcoming attractions!
**When Do We Need Cascade Control?**

A cascade scheme is needed when a loop can replace a valve so that local and fast disturbances are rejected by an inner loop. For example, if the temperature in a heat exchanger is controlled by a valve changing the coolant flow, the use of a flow control loop instead of a valve will increase performance when a disturbance (e.g. pressure change) occurs in the coolant system. Without cascade control, the temperature of the product in the heat exchanger will change when the coolant system's pressure changes, and the controller will manipulate the valve to compensate... With cascade control, the flow control loop will quickly compensate to maintain the flow, and the temperature will not change.

If a flowmeter is already in place, the cost of adding cascade control consists of the time needed to program the cascade scheme in the DCS, plus the time needed to tune both loops.

Another benefit of cascade control is that all non-linearities related to the coolant flow are embedded in the fast loop and thus have very limited impact on performance.

This tuning tip was from the January 2009 Top Control newsletter at:


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**Calendar of Events**

Get a quick overview of the ISA PUPID events for 2009 by going to the Calendar at:

http://www.isa.org/~pupid/2009_PUPID_Calendar.htm

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**ABB Automation & Power World**  
Marriott World Center, Orlando, FL  
March 24-26, 2009

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63rd APPITA Conference & Exhibition  
Melbourne Park, Melbourne, Australia  
19 – 22 April 2009  
http://www.APPITA.com

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TAPPI PaperCon’09  
May 31-June 3, 2009  
Renaissance  
St. Louis, MO

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55th Pulp and Paper Industry Conference  
June 21 - 26, 2009  
Renaissance Ross Bridge Golf Resort & Spa  
Birmingham, AL  
http://www.pulppaper.org

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**ISA President’s Fall Meeting**  
**Houston, TX**  
**October 3 - 5, 2009**  
Come meet your leaders & get involved!

**ISA EXPO 2009**  
**Reliant Center, Houston, TX**  
**October 6 - 8, 2009**

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**Upcoming ISA Conferences & Exhibitions**

2010  
October
You can see the online calendar at [http://www.isa.org/~pupid/2009_PUPID_Calender.htm](http://www.isa.org/~pupid/2009_PUPID_Calender.htm)
Welcome to the 2 New ISA Pulp & Paper Industry Division Members since November 2006

Welcome to New PUPID Members

Edward L. Keating   Steven W. Ludwig

Here’s a reminder to the 34 ISA Pulp & Paper Industry Division Members who need to renew their membership

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<tr>
<th>David J. Akin</th>
<th>Kirk G. Huggins</th>
<th>Kane Punzel</th>
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<td>Michael Ballard</td>
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<td>Kenneth M. Queeney</td>
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<td>Keith Barr</td>
<td>Hamid Kashefiipour</td>
<td>Ivan Ratkovcic</td>
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<td>Judy Neyer</td>
<td>Duane A. Spinler</td>
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<td>William J. Dugary</td>
<td>Van-Gerald Olivares</td>
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<td>Howard A. Fenster</td>
<td>Thomas M. Osborne</td>
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<td>Ronald Fletcher</td>
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<td>Jeffrey Scott Pope</td>
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<td>Michael J. Hendricks</td>
<td>Donald Price</td>
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Don’t forget to renew!
WHO’S DOIN’ ANYTHING?:

HPD To Optimize Weyerhaeuser’s Spent Pulping Liquors Concentration System

February 10, 2009

Weyerhaeuser Company, one of world’s largest providers of forest products, has awarded a project for upgrades to the spent pulping liquors evaporation system at its New Bern, North Carolina mill to HPD, a Veolia Water Solutions & Technologies company. This project is part of an optimization effort of the recovery operations at the mill that includes upgrades to the existing recovery boiler. HPD will reconfigure the existing evaporation system and provide additional equipment to increase spent pulping liquors throughput, increase spent pulping liquors firing concentration, and remove chloride and potassium from the recovery cycle.

The upgraded evaporation system will provide an increase in firing solids to the recovery boiler to 80% TS utilizing Enhanced Forced Circulation evaporation technology. Installation of this technology at the New Bern mill will not only increase the concentration of spent pulping liquors, but will also allow reconfiguration of the existing system to eliminate the frequent washing and plugging historically experienced. Enhanced Forced Circulation is a proprietary technology from HPD that allows higher concentration of spent pulping liquors while maintaining very good heat transfer efficiency and minimizing fouling.

HPD will also provide a CRP™ (Chloride Removal Process) system as part of this project to complement the improvements to the recovery boiler with reduced chloride levels in the liquor. The CRP system is an effective method to purge non-process elements (NPE’s) such as potassium and chlorides from the recovery cycle while recovering valuable sodium. Currently, precipitator ash is purged to the sewer system at the New Bern mill to maintain chloride and potassium levels. The integration of the new CRP system will allow control NPE’s by removing them from the cycle while minimizing soda and sulfate losses.

The selection of HPD by the Weyerhaeuser Company is based on previous, successful projects utilizing both Enhanced Forced Circulation technology and the Chloride Removal Process.

Marathon Pulp Files for Bankruptcy

MARATHON, ON, Canada--Feb. 13, 2009--/CNW Telbec/ -- Marathon Pulp Inc. (“Marathon”) has announced that it has filed a notice of intention to make a proposal under the Bankruptcy and Insolvency Act (Canada). The filing by Marathon results primarily from the significant recent weakness in global pulp markets which has negatively impacted Marathon’s cash flow to the point where it could no longer meet its ongoing financial obligations.

The effect of the filing will be to establish a period of creditor protection for Marathon. Marathon has also provided its lenders with a waiver that will allow them to enforce their security should they see fit.

Current plans call for existing raw material inventories to be drawn down and converted into market pulp. It is expected that this will require the mill to operate until approximately February 28, following which the mill is expected to be idled indefinitely. Employees have been notified of the plan for an orderly idling of the operation.

PricewaterhouseCoopers Inc. will be acting as trustee.

For further information: Sue Nakanishi, Vice President & COO, (807) 229-1200 ext. 2000, sue.nakanishi@marathonpulp.com
Metso-supplied tissue line started up in India

Published Feb 17, 2009 09:00 +2 GMT

3D-model of Century Advantage DCT 100HS tissue machine.

The Metso-supplied Advantage DCT 100HS tissue line delivered to Century Pulp and Paper in Lalkua, Nainital, Uttarkhand, India, came on stream successfully on December 22, 2008. The smooth start-up of the 2.8-m-wide tissue machine took place as planned.

The new line will produce 120 metric tons daily of high-quality facial, bathroom tissue and towel grades and will thereby be the largest single tissue production line in India.

Metso’s scope of delivery comprised a complete tissue machine equipped with an OptiFlo headbox, 16-foot Metso Yankee cylinder and an Advantage AirCap Yankee hood. Metso also delivered the stock preparation equipment including OptiFiner conical refiner and deflaking technology, OptiSlush pulping equipment and OptiScreen cleaning and screening technology. The delivery included basic and detail engineering for the new tissue mill as well as services for installation and start-up of the machine.

Century Pulp and Paper, a division of Century Textile and Industries Ltd., is a manufacturer of rayon grade pulp and high-quality printing and writing papers. In addition to the new tissue capacity, the company produces 32,000 metric tons of pulp and 198,000 metric tons of printing and writing paper per year.
WHO’S DOIN’ ANYTHING?: (CONTINUED)

IP to Close Inverurie, Scotland, Mill

BRUSSELS, Belgium and MEMPHIS, Tenn., USA Feb. 17, 2009--/PRNewswire-FirstCall/-- International Paper announced today that it will close its Inverurie, Scotland, Mill by the end of March. A three-month employee consultation process failed to find a financially viable alternative future for the mill.

The closure removes 250,000 tonnes of uncoated freesheet capacity from International Paper's European output.

Commenting on the announcement, Mary Laschinger, president of International Paper Europe, Middle East, Africa and Russia, said:

"Over the last three months, we have worked hard together with the appropriate representatives to evaluate alternatives for the future of the mill. Unfortunately, none of the options provided a business plan that was financially viable and that would safeguard jobs.

"I am very saddened for our people and the local community that we had to come to this decision but we have acted in order to match our machine capacity to the paper volumes demanded by our customers.

"Our focus now is on helping our people make the transition into new employment and to continue our efforts, with government agencies and others, to market the site for future reindustrialisation."

International Paper (NYSE:IP) is a global paper and packaging company with manufacturing operations in North America, Europe, Latin America, Russia, Asia and North Africa. Its businesses include uncoated papers and industrial and consumer packaging, complemented by xpedx, the company's North American distribution company. Headquartered in Memphis, Tenn., the company employs more than 61,500 people in more than 20 countries and serves customers worldwide. 2007 net sales were approximately $25 billion. For more information about International Paper, its products and stewardship efforts, visit internationalpaper.com.

In Europe, the Middle East and Africa (EMEA), International Paper focuses on the production and marketing of office papers and paper-based packaging. The company is a leading supplier of cutsize paper and offers an extensive range of papers for a multitude of uses in the office paper segment.

This press release may contain forward-looking statements. These statements reflect management's current views and are subject to risks and uncertainties that could cause actual results to differ materially from those expressed or implied in these statements. Factors which could cause actual results to differ include delays in the process of shutting machines down and changes in market conditions, which may require the company to shut the mill down earlier or later than anticipated. We undertake no obligation to publicly update any forward-looking statements, whether as a result of new information, future events or otherwise. Other factors that could cause or contribute to actual results differing materially from such forward looking statements are discussed in greater detail in the company's Securities and Exchange Commission filings.
Irving Pulp & Paper fined $37,000 for violating Fisheries Act

Irving Pulp and Paper pleaded guilty on Friday in a New Brunswick provincial court for violating the Fisheries Act and will have to pay $37,000 in fines and penalties.

The violations stem from a Feb. 8, 2007, incident in which the company's Saint John mill released black liquor, a by-product of the pulp and paper process that is harmful to fish, into the St. John River.

A statement from Environment Canada said $30,000 of the fine will be paid to Atlantic Coastal Action Program (ACAP) in Saint John, a local non-profit organization that helps manage the local aquatic environment.

The remaining $7,000 is part of a fine paid to the provincial court.

Geoff Britt, an Irving spokesman, said the forestry company has taken steps since the accident to stop future spills from happening.

"The team at Irving Pulp and Paper is dedicated every day to top environmental performance. We sincerely regret the spill occurred," he said.

Britt said the fine and penalty came as a result of a joint recommendation between the company and the Crown prosecutor. He said the company has a strong appreciation for the work done by ACAP in the community.

"Our company has worked actively with ACAP since its founding, and we continue to work with them on a number of projects," he said.

This isn't the first dispute between the Irving mill and Environment Canada. In November 2008, J.D. Irving strongly criticized Environment Canada for being "heavy-handed" after government officials raided the Saint John pulp and paper mill in an investigation of a different spill.

About 30 agents stormed into the mill, armed with a search warrant and guns. A company representative said at the time that officials had voluntarily reported the original spill so the raid was unnecessary.

Roughly two years ago, environmental enforcement officers said Irving refused to co-operate with attempts to locate the Irving Shark, a barge contaminated with toxic chemicals that the company had sent to the Caribbean.

In March 1998, an estimated 55,000 litres of harmful by-product leaked from a holding tank at the Irving mill in Saint John. It ran into a storm drain, then into the Reversing Falls.

While the company originally pleaded not guilty to a charge of polluting under the Fisheries Act, it ultimately took responsibility for the spill and agreed to pay a $50,000 fine.
Japan's Nippon Paper Acquires Australia's Paperlinx

(Japan/Australia)--Feb 16, 2009--Nippon Paper Group, Inc. (“the Group”) and Nippon Paper Industries Co., Ltd. (“Nippon Paper”), a wholly-owned subsidiary of the Group, would like to announce that it has entered into a sales and purchase agreement with PaperlinX Limited (“PPX”), the largest paper trading company in Australia, in relation to the acquisition by Nippon Paper of all outstanding shares in Paper Australia Pty Ltd (“AP”), a subsidiary of PPX.

The details are as follows:

1. Rationale of the acquisition

The Group has set its goals with “Group Vision 2015” to become a top 5 player in the global pulp and paper industry with accelerating overseas business development to achieve sustainable growth. In the past few years, the Group has been able to capture growth in the paper market through enhancing exports and locally-based production, especially in Asia and Oceania market where we expect growth in the future, with light-weight coated paper as a strategic product. Among them, Australia has a commercial publishing market with sustainable growth.

We believe Australia is one of the promising paper markets in the world. In addition, Australia historically has a low domestic production ratio, and has capacity to expand its domestic production in the future. The Group believes the opportunity lies in expanding our business into Australia, especially when the Japanese domestic market is near saturation.

Meanwhile, PPX, the parent company of AP, has been under process of AP’s sales, aiming to concentrate its management resource for paper trading business, and agrees on selling AP to the Group, who seeks to enter into Australian market.

AP is the biggest printing paper manufacturer in Australia with over 50 years of history. It is highly regarded by its customers in Australia and the “Reflex®” product, its major copy paper brand, has approximately 60% market share in Australia. In addition, the Maryvale manufacturing mill, AP’s main factory located in Gippsland, Victoria, has improved its competitiveness to a large extent from a recent investment in pulp manufacturing facilities, completed in December 2008. We believe the benefits from this upgrade will be fully realized in 2009.

It is expected that the Group will dramatically improve its position in the Australian paper market through this acquisition. We believe AP will immediately contribute to the Group and optimize our production systems globally. AP will also be able to improve considerably its production efficiency, and establish the corporate structure suitable to compete with imported paper. We will concentrate on prompt realization of these synergic effects.

At the same time, the Group hopes to deepen its relationship with PPX, which are very active in the world’s key markets, i.e. North America, Europe and Asia. We believe the establishment of a long-term relationship with PPX will greatly contribute to the Group’s overseas expansion in the future.

2. AP’s restructurings before the transaction

As part of the condition precedent for the acquisition, PPX will restructure its paper manufacturing business as follows:

(1) Excluding the 2 Tasmanian mills from the transaction Out of the 4 existing manufacturing mills owned by AP, 2 mills operating in Tasmania will be excluded from the transaction. These Tasmanian plants will be incorporated into a newly established subsidiary of PPX.

(2) To transfer the PPX’s sales and related units that deal with AP’s products to AP

The PPX’s group units that handle the sales and administration of AP’s products will be transferred to AP before completion of the transaction.

Timeframe

(1) Board meeting and signing of share sale agreement 16 February 2009

(2) Transfer of shares

The official date of the shares transfer has not yet been determined given that condition precedents such as PPX’s Group restructuring must be satisfied. Both PPX and Nippon Paper are targeting to transfer the shares by June 2009 and they will take the necessary steps to ensure all conditions precedent be satisfied prior to this date. A subsequent announcement will be made once we are able to determine an exact transfer date.

Impact on the Group performance

There is no effect on the Group’s performance for the fiscal year ending March 2009, as we estimate the acquisition will be completed by June 2009.
LETTERS TO THE EDITOR

Send your comments on this newsletter to the ISA PUPID Technical Discussion Forum & “get something started”!

You can reach the site at http://www.isa.org/scripts/lyris.pl?enter=pupid&text_mode=&lang=english or by going to the PUPID or the main ISA websites and looking for the “ISA Technical Divisions”
**Links to Related Websites**

ISA Pulp & Paper Website  
http://www.isa.org/~pupid/

ISA Pulp & Paper Technical Discussion Forum  
http://www.isa.org/scripts/lyris.pl?enter=pupid&text_mode=&lang=english

ISA Technical Conference Session Schedule  
http://www.isa.org/Template.cfm?Section=Conferences_and_Exhibitions&template=/taggedpage/conferencesbydate.cfm&icid=61

Pulp & Paper Research Institute of Canada  
http://www.paprican.ca/

TAPPI  
http://www.tappi.org/

PIMA  
http://www.pimaweb.com/

American Forest and Paper Association  
http://www.afandpa.org/

National Society of Professional Engineers  
http://www.nspe.org/

Swedish Royal Institute of Technology  
http://www.ptr.lth.se  
http://www.hut.fi/English/

Helsinki University of Technology  
http://www.hut.fi/English/

Technical Association of the Australian and New Zealand Pulp &amp Paper Industry (APPITA)  

Australian Pulp & Paper Institute  

ISO Standards Technical Committee List  

ISA Standards Committees Listserver  
http://www.isa.org/shellcgi/lyris.pl?site=isa&page=topic&topic=standards+committees&text_mode=0&lang=english

**Quickies**

ISA Pulp & Paper Technical Discussion Forum

Anybody (not necessarily an ISA or PUPID member) can subscribe to the PUPID Pulp & Paper Technical Discussion Forum. To subscribe, go to the PUPID homepage at http://www.isa.org/~pupid/, select "Pulp & Paper Technical Discussion Forum" in the pick box, click "Go", and enter your email address and a password.

ISA Email Address for ALL Members

Any ISA member can register for a free email address and online mailbox. If you set it up, your ISA email address will be yourname@member.ISA.org. To register, go to http://www.isa.org/membership/benies/, and follow the registration instructions.

ISA PUPID Calendar

Get a quick overview of ISA PUPID events for 2002 by going to the Calendar at:  
http://www.isa.org/~pupid/2002_PUPID_Calendar.htm
WORLD CORNERS

**CANADA CORNER**

Nothing from anyone there this time!

**CENTRAL & SOUTH AMERICAN CORNER**

Nothing from anyone there this time!

**FAR EAST CORNER**

Nothing from anyone there this time!

**FROM THE LAND OF THE MIDNIGHT SUN**

Nothing from anyone there this time!

**EUROPEAN CORNER**

Nothing from anyone there this time!
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