

The Gulf Coast TAPPI *Stock Exchange*



SEPTEMBER 2005 TECHNICAL PROGRAM

PULP & PAPER TESTING / WET END CHEMISTRY

WEDNESDAY, SEPTEMBER 14, 2005

**6:00 PM – 8:00 PM - Executive Committee Meeting
Holiday Inn Express, Demopolis (see front desk)**

(All meeting attendees are welcome to attend this planning and review session.)

THURSDAY, SEPTEMBER 15, 2005

**Rock-Tenn Mill Training Center – Demopolis, AL
7:30 AM—1:00 PM – Registration**

8:30 – 9:50 AM TECHNICAL SESSION I - TESTING

“Next Generation On-Line Pulp Quality Analysis”

KEVIN VANPEMBROOK – METSO Automation, Norcross, GA

Numerous properties of the final sheet are dependent on refining. Laboratory analysis of these properties has not been fast enough for on-line controls in the past, so the measurement of specific energy consumption has been the first choice for many mills. First generation on-line pulp quality analyzers worked well in some process conditions. However, with the next generation of on-line pulp quality analysis platforms now coming in the field, refining effects on pulp quality can now be measured, trended and used for on-line control purposes for virtually any process stream. This presentation will review one such platform, and corresponding results from various mills.

“Fiber Measurement Advances”

JIM THOMPSON – Talo Analytic, Duluth, GA and MARC AUPRIX - OpTest

In this session, participants will learn the evolution of fiber measurement technology, the state of the art today, and the practical applications to be gleaned from fiber attribute knowledge.

9:50 – 10:10 AM BREAK

10:10 – 12:10 AM TECHNICAL SESSION II - TESTING

“Using Newsprint Test Data to Answer Important Customer and Operational Questions”

CLINT SMITH – Bowater Newsprint, Coosa Pines, AL

RAY PARKER – Lorentzen & Wettre, Alpharetta, GA

Customer and shareholder demands have resulted in increasing pressure on mills to reduce costs, improve productivity, and improve product quality. Automated paper and board testing allows users the testing capacity and flexibility to accomplish these objectives. The growing list of available standard tests now allows use in more demanding applications. This presentation includes a discussion of how mills justify the purchase of automated testing systems and the benefits they have achieved from automation.

“Good Paper Making Requires Good Testing”

VANN PARKER – Applied Paper Technology, Atlanta, GA

You cannot expect the papermaker to produce a consistent product unless he has good information on which to base his process decisions. The test lab and the information that it generates is an integral part of the paper making process. I will discuss what it takes to provide the information that is critical to production of products with predictable performance.

12:10 – 1:00 PM LUNCH (included in your registration, to be held on-site)

1:00 – 2:20 PM TECHNICAL SESSION III - CHEMISTRY

“Improved Paper Machine Performance through Combining Wet End and Dry End Controls”

DR. DAVE LANG – METSO Automation, Norcross, GA

Many upsets in weight, moisture and ash content at the reel of a paper machine are caused by changes occurring in the short circulation. Due to the time delays inherent in the paper machine process, standard scanner-based feedback controls of weight, moisture and ash have difficulty handling such disturbances. When major upsets such as grade or furnish changes occur, the process can require a considerable time to stabilize. This presentation reviews a new multivariable optimal controller that integrates scanning sensors with wet end measurements providing more stable manufacturing processes and faster recovery from short term upsets.

“Looking to the Future: Developments in Starch Technology”

JOHN HUTTO – Cargill, Pensacola, FL

A look at developments in wet end starch technology including cross-linked starches, with a review of the different types of cationic wet end starches. Along with a discussion on starch use in an overall wet end retention program.

2:20 – 2:40 PM BREAK

2:40 – 4:40 PM TECHNICAL SESSION IV - CHEMISTRY

“Wet End Optimization – An Ongoing Process with Extensive Benefits”

PER OLOF WARENDH – BTG Americas, Norcross, GA

Gaining greater productivity and paper quality is a systematic and continuous process. Many strategic additives are dosed to influence machine runnability and paper quality. At the same time, there are few areas of the paper machine with less automatic control. This presentation will describe those activities at two waste paper-based newsprint machines that led to better control in the wet end.

“Size Testing, and Factors Related to Sizing”

ALAN NITZMAN – Plasmine Technology, Pensacola, FL

Many methods have been developed to test sizing of paper. However, only a few are in widespread use. Optimally, method chosen to quantify sizing should be based on end use of paper grade being tested. For example, gypsum board mills require paper to withstand water at high temperatures, therefore the ‘Boiling Boat Test’ is appropriate. Factors influencing sizing are considered, both practical aspects and from the theoretical side.

“Newsprint Retention Chemistry”

ERIN ELLINGWOOD – Bower Newsprint, Coosa Pines, AL

TIM SHULTZ – Buckman, Coosa Pines, AL

“Biofilm Control: A New Approach to Paper Machine Cleanliness”

RONNIE SKINNER – Kemira, Kennesaw, GA

Microbial contamination of paper manufacturing equipment is an ongoing problem for papermakers. Inadequate control of bio-film (slime) producing microbes leads to holes, sheet defects, and lost production. A number of approaches for selecting anti-microbial agents have been used in the past with varying degrees of success. Extensive research into the nature of bio-film forming microbes has resulted in the identification of a group of bacteria that play a critical role in the formation of bio-film. The identification of these microbes has resulted in the development of a new test method for selecting the best anti-microbial agent to counter the primary bio-film formers. This test method has been used to identify chemistries that exhibit superior bio-film prevention in the paper making environment resulting in a reduction of holes, and sheet defects, and increased production.

4:45 – 5:00 PM - GCT Supplier Society Meeting

6:00 - 7:00 PM - Reception – Red Barn Restaurant (*Sponsored by Gulf Coast TAPPI & the GCT Supplier Society*)

7:00PM – Dinner (on your own)

FRIDAY, SEPTEMBER 16, 2005

9:00AM - 11:00AM MILL TOUR

Rock-Tenn Corp, Demopolis, AL

Please Note: Registration for the Thursday technical session, and name badge, are required.

MEETING OFFICERS

Meeting and Session Chairman: Steven Ead, Bercen Corp 225-772-3731

Co-Chair & Local Arrangements: Elizabeth Etheridge, Rock-Tenn 334-289-6216

HOTEL INFORMATION:

Columbus, Georgia

Location: Holiday Inn Express

Hotel Reservations: (334) 289-9595

Rates per night: \$ 74.00 + Tax

Please mention affiliation with:

Gulf Coast TAPPI

Hotel reservations should be made directly by calling ASAP (our block of rooms only held until Sep 5th)

MEETING PARTICIPATION FEE:

Registration (TAPPI Member-mill)* \$80

Registration (Non-Member-mill) \$90

Registration (TAPPI Member-vendor)* \$105

Registration (Non-Member - vendor) \$115

Speaker \$40

Student \$10

Retired \$25

* indicates current membership in National TAPPI

SUPPLIERS / VENDORS NOTE:

TABLETOPS AVAILABLE

A limited number of tables (3x6) will be available for product/literature displays.

One per company, \$100 each. First

Come, First Serve, Contact Elizabeth

Etheridge, EEtheridge@rocktenn.com

[Professional Engineers: PDH Certificates will be available](#)

TAPPI'S ANTI TRUST POLICY STATEMENT

The Technical Association of the Pulp and Paper Industry, Inc. is a professional and scientific association organized to further the application of the sciences in the pulp and paper industry. Its aim is to promote research and education in the practice of pulp and paper manufacture. TAPPI is not intended to, and may not, play any role in the competitive decisions of its members or in any way restrict competition in the pulp and paper industry.

Please note that TAPPI policy prevents the scheduling of business or social activities between and among participants during times of scheduled functions.

LONG - RANGE PLANNING CALENDER

The following table is the *proposed schedule* for meetings through the year 2007. Please contact the meeting chairman if you need any further information about the meeting and to confirm the meeting details.

DATE	LOCATION	TOUR	TOPIC(S)	MEETING CHAIR(S)
Feb 22-24 2006	Birmingham, AL	Tour – Bowater Coosa Pines, AL	Recycle, Recovery, and Student Forum	Meeting and Technical Sessions: Andy Easley – Bowater Inc. Coosa Pines easleyma@bowater.com Keith Meyer - Andritz keith.meyer@andritz.com Local Arrangements: Andy Easley easleyma@bowater.com
Jun 8-10 2006	Destin, FL	Golf, Tennis, Fishing	Bleaching & Pulp	Meeting and Technical Sessions: Mark Andrews – Koch Cellulose mark.andrews@kochcellulose.com Jeff McKee - Weyerhaeuser jeff.mckee@weyerhaeuser.com Local Arrangements: Tim Watson – Tri Nova tim@trinovainc.com
Sep 20-22 2006	Thomasville, AL	TBA	Fiber Recovery & Chip Quality	Meeting and Technical Sessions: Glenn Hanson – Metso Minerals Glenn.Hanson@metso.com Local Arrangements: Stephen Prout – ARP sprout@ariver.com
Feb 2007	Hattiesburg, MS	TBA	Power & Alternate Fuels	Meeting and Technical Sessions: Mark Andrews – Koch Cellulose mark.andrews@kochcellulose.com Local Arrangements: Stephen Prout – ARP sprout@ariver.com
Jun 2007	Destin, FL	Golf, Tennis, Fishing	TBA	Meeting and Technical Sessions: Glenn Hanson – Metso Minerals Glenn.Hanson@metso.com Local Arrangements:

Please send me your updated **EMAIL ADDRESS** if you would like to receive the Stock Exchange over email and you are not currently getting it or you have had a recent change in email address. New or changed addresses can be sent to jeff.smith@BTG.com .

GULF COAST TAPPI EXECUTIVE BOARD WORKING FOR YOU!

GULF COAST TAPPI OFFICERS

Mark Andrews <i>Chairman</i>	Koch Cellulose 601-964-7196
Glenn Hanson <i>Vice Chairman</i>	Metso Minerals 404-432-4498
Andy Easley <i>Treasurer</i>	Bowater 256-378-2801
Elizabeth Etheridge <i>Secretary</i>	Gulf States Paper 334-289-6216
Bill Roddy <i>Past Chairman</i>	Smurfit-Stone

EXECUTIVE COMMITTEE 2005-2007

Terms Expiring 2006

Bob Beem	Beem Engineering
Jeff McKee	Weyerhaeuser
Stephen Prout	Alabama River
Vince LoPresti	URS Corp
Fred Thompson	Tessengerlo Davison
Ike Moore	Reed Maintenance
Philip Bradbourne	DuPont
Benny Boyd	Nalco
Mark Slaby	Voith

Terms Expiring 2007

John Lovelady	MeadWestvaco	Stevenson
John Graves	Bowater	Coosa Pines
Randy Paff		SCA Barton
Richard Holland		PCA Counce
Jim Thompson		Talo Analytic
Dewitt Dees		Zenon

COMMITTEE CHAIRS

Corresponding Secretary &
Supplier Society Chairman
Registration
Membership/Publicity
LSOC
Student Chapter Advisors:

Tim Watson
Steve Ead
Jeff Smith
Manuel Sibila
Gopal Krishnagopalan
Cliff George
Dale Smith

Tri Nova
Bercen
BTG Americas
RohmNova
Auburn University
Mississippi State University
Alabama Southern Community
College

YOUR PARTICIPATION IN THIS GROUP IS WELCOMED, AND NEEDED! CONSIDER THE PROFESSIONAL DEVELOPMENT AND CAREER OPPORTUNITIES FROM NETWORKING AND LEADING THE GULF COAST ASSOCIATION. Please contact Jeff Smith

at 770-330-8613 or jeff.smith@BTG.com for information on being a part of this leadership team.

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SEPTEMBER 2005 TECHNICAL PROGRAM

PULP & PAPER TESTING / WET END CHEMISTRY

ON-SITE & PRE-REGISTRATION/APPLICATION FORM

Please Print or Type

Name:		Name for Badge:	
Title:			
Company:			
Address:			
City:		State:	
		Zip	
Work Phone:		Fax:	
Email:			
National TAPPI Member?		Yes / No (Please Circle)	
Category:		Mill / Supplier / Consultant / Educator / Retired / Student (Please Circle)	

Payments for Thursday, September 15, Technical Session

___ Technical Session, Mill & Educator *	8:00 AM-5:00 PM	\$80
___ non-TAPPI Mill Person, Educator	8:00 AM-5:00 PM	\$90
___ Technical Session, Students	8:00 AM-5:00 PM	\$10
___ Technical Session, Retired	8:00 AM-5:00 PM	\$25
___ Technical Session, Supplier & Consultant *	8:00 AM-5:00 PM	\$105
___ non-TAPPI Supplier, Consultant	8:00 AM-5:00 PM	\$115
___ Speaker	8:00 AM-5:00 PM	\$40
___ Reception	6:00-7:00 PM	(Sponsored by Suppliers Society)
___ Dinner/Business Meeting	7:00-9:00 PM	Included in Registration Fee
___ Guest Lunch		\$15

* indicates current membership in National TAPPI

TOTAL FEES PAID (cash or check please) \$

If bringing a guest please provide name for a badge:	
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Will you attend the Friday mill tour at Rock-Tenn Friday morning? _____ Yes _____ No

Payment Options:

Pay Onsite ___ Check ___ Credit Card ___

Payment Information:

Name on Card: _____

Check No. _____ Credit Card Type: _____ Exp: _____

Cash: \$ _____ Card Number: _____

(AMEX, Visa & Master Card only accepted by our processor)

Strongly Encouraged:

You may fax (678-248-7091) or email (jeff.smith@BTG.com) this page to expedite your registration. Your badge and receipt will be ready. You only need make payment on site.