

the Alembic



Chair's Corner



Well the change of guard has taken place again. Our thanks go to Robin for an excellent job as Chair of the Section for 2003. I am looking forward to working with all of you to make 2004 another successful year of monthly programs and activities that will promote our own professional development and also provide information and enthusiasm about the chemical sciences to the general public. The Executive Committee has met to help Robin complete the annual report and to complete the planning of the programs for the year. A big thank you goes to our Councilor, Marv Lang, for setting us up with four excellent tour speakers. Thanks also go to our Chair-elect, Steve Nieland, for scheduling a speaker for our March meeting. We have the entire year planned and I hope you will be as excited about the schedule of speakers and programs as I am.

We start the year off on Wednesday, February 18, with a tour of the Donaldson Company in Stevens Point. Donaldson is a leading worldwide provider of filtration systems and replacement parts. They are headquartered in Minneapolis and have a plant located in the Stevens Point Industrial Park. This company started as a three-man shop manufacturing simple air cleaners for farm tractors. Today, they

have expanded their product portfolio and grown into a worldwide corporation with over nine thousand employees. The Stevens Point plant runs three shifts. UW-Stevens Point alumnus, Scott Jackson, will lead our tour of the facility. Scott tells me that we will see some of the manufacturing equipment in operation and for those lines that are not in operation, he will explain the process. It should be a great tour.

I was looking over the Demographic Report sent from the National Office for our Central Wisconsin Section. It has some very interesting numbers that could be very useful in planning activities for the coming year. The data is reported as of January 1, 2004. We have 112 members. The three top age groups are 31-35, 9.82%; 46-50, 11.61%; and 71+, 14.29%. The breakdown for Chemistry Degree Earned is 45.5% Ph.D.; 12.5% M.S.; and 39.4% B.S. or B.A. As far as Job Title, 40% of our members are in academics and 60% are in industrial positions. We have a diverse group of people in our Section with a wealth of knowledge and an abundance of talent. My goal this year is to tap into these resources and to get as many members as possible involved in the activities of the Section.

I wish all of you a happy and successful 2004.

Don

ACS - CWS Mini-Directory

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American Chemical Society

Central Wisconsin Section



"Tour of Donaldson Co."



by
Mr. Scott Jackson
Production Supervisor

Wednesday, February 18, 2004, 7:30 PM
5200 Coye Drive
Stevens Point, WI

6:00 Dinner, Chef Chu's Restaurant

Donaldson Company, Inc., is a leading worldwide provider of filtration systems and replacement parts. Founded in 1915, Donaldson is a technology-driven company committed to satisfying customer needs for filtration solutions through innovative research and development. Donaldson serves customers in the industrial and engine markets, including dust collection, power generation, specialty filtration, compressed air purification, off-road equipment, industrial compressors, heavy trucks and light vehicles.

About the Speaker

Scott Jackson was born and raised in Crandon, WI. He finished a BS degree at UW - Stevens Point in 2003. Since 1991, he has worked at Donaldson Co. Inc. located in the Industrial Park in Stevens Point. Over the past 13 years he has worked in manufacturing with the last 8 as a production supervisor. Duties have included normal production, budgetary, and quality issues as well as special tasks that have included improvement teams and a position on the ISO14000 core team.

Prior to the meeting, a 6:00 PM dinner will be held at Chef Chu's Restaurant, 5110 Main Street, Stevens Point (At the Best Western Royale, I-39 and Highway 10). *After dinner, drive south on Hoover Rd. (Country Club Drive) approximately one mile to Coye Drive, then turn left.* **Reservations may be made by calling Barb Klein (Chem. Dept. office) at 715-346-2888 (or email bklein@uwsp.edu) by 4 PM on Tuesday February 17.**

ACS - Central Wisconsin Section 2004 Meeting Schedule

DATE	LOCATION	SPEAKER	TOPIC	HOST
February 18	Stevens Point	Scott Jackson	Tour of Donaldson Co. - Filter Manufacturing	Don Showalter
March 17	Stevens Point	C. Tim Scott	Simulation of Papermaking Process	Steve Nieland
April 14	Stevens Point	Dr. Michael C. Cann	Pollution Prevention: A Paradigm Addressed Through Green Chemistry	Marv Lang
May 4	Eau Claire	Dr. R. Paul Philp	Development of Analytical Techniques Used in Organic Geochemistry, Awards Banquet, Spouses Night	Dave Lewis
Sept. 16	Marshfield	Dr. Carolyn Fisher	Science Careers in the Food Industry	
October 6	Wisconsin Rapids	Dr. John D. Petersen	Molecular Wires: Building Molecules to Move Energy and Electrons	
November	Stevens Point	James Showalter	The Future of the Transportation Industry	
December	Marshfield		Meeting-in-Miniature	

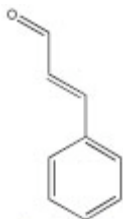
ACS-CWS Web Page

www.uwsp.edu/chemistry/acscws/

Contains up-to-date information about section activities including all issues of the Alembic and meeting notices.

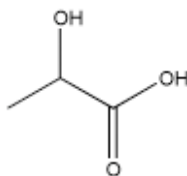
Molecules of the Month

(see the entire collection by visiting www.chemistry.org)

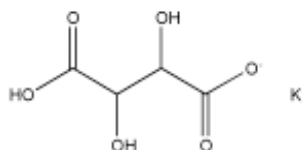


trans-Cinnamaldehyde is a major constituent of cinnamon bark, and it provides the distinctive odor and flavor associated with cinnamon. Concentrated cinnamaldehyde can irritate the skin and mucous membranes, and typical scented products contain only a few tenths of a percent of this compound. Cinnamaldehyde is also used as an agricultural fungicide.

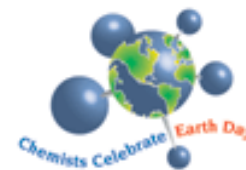
Lactic acid produces the sour taste in that old eggnog, but it also forms when



glucose is metabolized during anaerobic exercise such as a brief, intense snowball fight. Excess lactic acid in the bloodstream causes muscles to fatigue quickly, but it is not the source of muscle soreness.



Potassium bitartrate, also called cream of tartar, is used in place of lemon juice or vinegar in some recipes, and it is one of the ingredients in baking powder. Crystals of potassium bitartrate can form in wine that has not been through a cold stabilization process.



Members of the American Chemical Society's Committee on Community Activities invite you to participate in **Chemists Celebrate Earth Day on April 22, 2004**. The program is a joint effort between the ACS Committee on Community Activities, the Committee on Environmental Improvement, and the Green Chemistry Institute. Chemists Celebrate Earth Day provides volunteers with an opportunity to showcase chemistry's contributions to sustaining a healthy planet and environment as part of the annual Earth Day celebration.

The 2004 theme for Chemists Celebrate Earth Day is **"What do you know about H₂O?"** As part of the celebration, the American Chemical Society is sponsoring a music video competition for students in grades K-12. The contest encourages students to produce a music video best illustrating the theme "What Do You Know About H₂O?" As the unifying event, local sections are asked to participate in "Testing Rain Water" an activity designed to measure the acidity of rainwater in area communities and to compare results online to national findings. The web activity is made available through ACS collaboration with members of the National Atmospheric Deposition Program (NADP) and the ACS East Central Illinois Section. Hands-on activities, as well as a sample press release and templates, are available at <http://chemistry.org/earthday>.