



the Alembic

EDITOR'S PICKS

Executive Committee Meeting

There will be a meeting of the Central Wisconsin Section of the American Chemical Society Executive Committee on Wednesday, January 23, 2002 at 5:00 P.M. The meeting will be held in the Aldo Leopold Science Building at UW Center, Marshfield.

Meeting-In-Miniature

The Central Wisconsin Section of the American Chemical Society will hold its 8th Meeting-In-Miniature on Wednesday, January 23, 2002 at 6:30 P.M. The meeting will be held in the Aldo Leopold Science Building at UW Center, Marshfield.

Local chemists from UW-Stevens Point, Marshfield Clinic, Lignotech and Wausau-Mosinee Paper Corp. will be presenting.

February Meeting

The **monthly meeting** for **February 2002** of the ACS-CWS will be held in Rothschild, WI! The day is **Wednesday, February 13, 2002** at the Lignotech USA R&D Building in Rothschild. The talk is scheduled to begin at 7:30 P.M. Dinner, for those who choose, will be at 5:30 P.M. at Tony Roma's, just off of I-39 at Cedar Creek in Wausau. The speaker is **Dr. C. Alton Hassell of Baylor University**. Dr. Hassell will be speaking on **"Using Nuclear Chemistry to Study Water Marks"** ... a topic that should be of interest to our friends in the paper industry. Our host for the meeting is John Hollis.

Please contact John at:
715-359-3021
or email at
jwhtheman@aol.com
for dinner reservations.

ACS - CWS Mini-Directory

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American Chemical Society

Central Wisconsin Section



American Chemical Society
Central Wisconsin Section
8th Meeting – in – Miniature

UNIVERSITY OF WISCONSIN - MARSHFIELD/WOOD COUNTY

MARSHFIELD WI

January 23, 2002 6:30 PM

Aldo Leopold Science Building

Short Talks
(Beginning at 6:30)
by;

Poster Presentations, Questions and Refreshments
(Following the Oral Presentations)
by:

Carmen Wiley
Gene Johnson
Jerry Gargulak

Marshfield Clinic
UW – Stevens Point
Lignotech

C. Marvin Lang
Stephen Leiterman
Paper Corp.

UW – Stevens Point
Wausau-Mosinee

The Host

Prof. Tom Marty
UW – Marshfield/Wood County

715-389-6502 or tmarty@uwc.edu.

ACS - Central Wisconsin Section 2002 Meeting Schedule

| DATE | LOCATION | SPEAKER | TOPIC | HOST |
|---------------|---------------|-------------------|------------------------------|------------------|
| January 23 | Marshfield | | “Meeting in Miniature” | Tom Marty |
| Feb. 13 | Wausau | C. Alton Hassell | Nuclear Chemistry | John Hollis |
| March 20 | Eau Claire | David Lewis | “Dave and the Dead Russians” | Jack Pladziewicz |
| April 15 - 19 | Stevens Point | Joe E. Vinson | Analysis of Cannabinoids | Kevin Czerwinski |
| May 3 | Eau Claire | | Awards and Spouses Night | Dave Lewis |
| Sep. 9 – 13 | Stevens Point | Stanley Manahan | Environmental Science | Tom Zamis |
| Oct. 7 – 11 | Eau Claire | J. Ernest Simpson | “Chemistry of Wine” | Dave Lewis |

ACS-CWS Web Page

<http://chemdept.uwsp.edu/acscws/>

or you can link there from the American Chemical Society home page - Local Sections.

Contains the most up-to-date information about section activities.



American Chemical Society

Central Wisconsin Section



Using Nuclear Chemistry to Study Antique Watermarks

by

Dr. C. Alton Hassell

Baylor University

Wednesday, February 13, 2002
7:30 PM at the Lignotech USA R&D Building
Rothschild

5:30 Dinner, Tony Roma's Restaurant

Abstract:

The watermarks in paper made by laying pulp on a bed of wire are unique to the papermaker. These watermarks are difficult to study and especially to compare. Beta-radiography is a method that produces permanent images of the watermarks. The watermarks can then be studied and easily compared. This talk will describe the method and discuss some of the results. The talk could also be titled "*How Nuclear Chemistry Helped the English Professor*".

The Speaker:

I am a native Texan from the small town of Seagraves. My degrees are a B.S. in chemistry and physics from Baylor University (1969) and Ph.D. in chemistry from Texas A&M University (1975). I was a postdoctoral research fellow at Texas A&M and at Baylor, where I served as assistant director of the First Year Chemistry Program and as manager of the College of Science Learning Resources Center. At Baylor University, I have taught mathematics and physics and am presently teaching chemistry and archaeology. I also taught at two junior colleges: Blinn Junior College and McLennan Community College. I have authored or co-authored papers in chemical research and chemical education, books on problem solving, and lab manuals. The latest are Chemical Investigations for Changing Times (8th Ed.) and the solutions manuals to Hill and Petrucci, both by Prentice Hall, and a mystery novel for use in a chemistry class. My current research areas are chemical education, cleaning and restoration of metals, and the use of beta radiography to study watermarks in antique books.

The dinner and mixer at 5:30 will be at Tony Roma's. One should take exit 185 off I-39/51 to the light. Right at the light. Right at the next light. Tony Roma's is on the left. Dinner reservations should be made by contacting **John Hollis** at 715-359-3021 or email jwhtheman@aol.com **before noon on Wednesday, February 13**. The talk will be at 7:30 PM at the Lignotech USA R&D Building in Rothschild. One should take exit 185 off I-39/51. Turn right and go to the light. Proceed straight into Rothschild. Turn left into the Lignotech Building, the first in the Lignotech Weyerhaeuser complex.