

# Chicago Society *for* NEWS Coatings Technology

Member of Federation of Societies for Coatings Technology

January 2002

www.chicagocoatings.org

Volume 5, Issue 4

## CSCT MEETINGS:

(Information 708-651-6311)

5:00	CASH BAR
6:00	SPEAKER
7:00	DINNER

*Steven's Steak House*

476 N. York Road, Elmhurst, IL

## Upcoming Events

**January 7, 2002**

*"Matting of VOC Compliant Coating Technology"*

Alfred Smith - W.R. Grace  
Steven's Steak House

**Feb 4, 2002**

*"Formulating Zero to Low VOC Architectural Paint"*

Gary Calhoun - Noevon (B.F. Goodrich)

**February 21, 2002**

*Symco*

**March 4, 2002**

*Joint Meeting Chicago Ink  
"USA and World Economics"*  
Robert Fry - Dupont Corp.

**April 8, 2002**

*"VOC Compliant Solvents"*  
Dan Porreau - Lyondell

**April 26, 2002**

*"Awards Banquet"*  
Drury Lane - Oakbrook Terrace



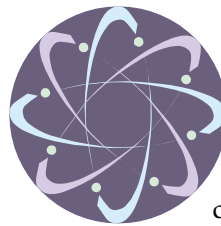
**July 22nd, 2002**  
*Golf & Tennis Outing*  
St. Andrews

## Monday, January 7th Steven's Steak House

*"Matting of VOC Compliant Coating Technologies: Waterborne, UV and Powder"*

Alfred Smith - W.R. Grace

**T**he mechanism for reducing gloss in traditional coatings is well understood in that it relies on incorporating a particulate matting agent into the coating. Film shrinkage, resulting from volatile component evaporation, enables the particulate to create a microrough surface. The coatings industry is evaluating alternative coating chemistries that will either minimize or eliminate resulting volatile components. These alternative chemistries are waterborne, UV and powder coatings.



This presentation evaluates the difficulties associated with matting various compliant technologies. With the

coatings industry and customer base moving to low matted finishes for various applications, GRACE Davison focused on developing silica based matting agents that would address the difficulties in matting compliant coatings. Producing a matte effect in waterborne systems, especially low gloss systems of 10 degrees or less, can produce cured film defects that may require the addition of unnecessary additives. The incorporation of Hydrated silicas in powder form eliminates the need for high-speed dispersion, eliminates the dusting phenomena in the manufacturing process associated with pigments (addressing safety and static issues) and provides ease of incorporation in adjusting final glosses without foaming. Producing a matte effect in 100%-solid UV coatings is much more difficult due to inadequate film shrinkage. This presentation reviews the issues of matting various UV chemistries utilized in ETM (easy to matte) and DTM (difficult to matte) systems. It also describes and compares properties of silica-matting agents designed to achieve an optimal matte effect in low NVM and 100%-solid UV coatings. We also review gloss controls used in matting powder coatings, which are achieved by special techniques using matting agents and matte-hardeners.

**W**ith 32 years of coatings application experience, Alfred Smith (Al) has been responsible for providing focused technical support and assistance to GRACE Davison's coatings customer base within the North American, Canadian and Mexican sales territory for the last two years. The market segments covered are SYLOID® matting agents for coatings and SHEIDLEX® pigments for anticorrosion applications. Prior to joining the GRACE Davison organization, he was employed with Morton International (now BASF), Batavia, Illinois for 10 years as a Senior Chemist, Technical Service Representative and Technical Manager-coatings. Spent 12 years with DeSoto, Inc. in Des Plaines, Ill. as a R&D Senior Research Chemist for waterborne and solventborne coil coatings, obtaining a co-patent for developing low cost water reducible vinyl acetate copolymers for coil coating application with another professional. Also spent 8 years with CCP (Cook Paint & Varnish), Detroit, Michigan as a formulating chemist and technical service representative for coil coatings applications.

**Getting it Straight****Society Notes & Changes**

1.) Please send in your reservation cards for the dinner meetings. Then if you send the card, please stay for dinner. Previously several people left before dinner. The CSCT is responsible for these dinner costs

**CSCT EXECUTIVE COMMITTEE**

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**Warren C. Ashley Outstanding Service Award**

This award honors Active/Associate members who through their talents, knowledge, dedication service, and energy have contributed to the advancement of the CSCT or the protective coatings industry of the Chicago area.

The membership is encouraged to nominate deserving members for consideration of this distinguished award. Candidates must be selected by five active members of the CSCT. A brief history and accurate resume of the achievements of the nominee should accompany the nomination form. Contact Mike Beland at 630-627-9811 to receive a nomination form. **Nominations are due by March 4, 2002.**

What were you doing 25 years ago? If you were a member of any Society for Coatings Technology 25 years ago and are now a member of the CSCT you may qualify for the CSCT 25 year club; however, we need to know who you are.

Call or write:  
Vic Willis

3149 Bending Creek Trail  
Crete, IL 60417  
708-672-7043

**Dinner Reservations By E-Mail**

**You can now e-mail your dinner selection to: [gcuca@earthlink.net](mailto:gcuca@earthlink.net)**

**Please include: Name, Company, and number of guests.**

**Dinner selection: Chicken or Seafood**

For dinner reservations by Fax,  
FAX THIS TO: (847)-364-1395 by 12/31/01

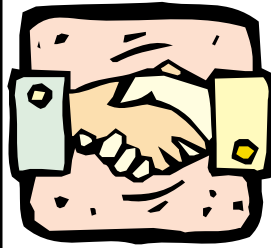
I WILL ATTEND AND BRING \_\_\_\_\_ GUEST(S)  
FOR DINNER January 7, 2002

**DINNER: Chicken or Seafood**

NAME \_\_\_\_\_

COMPANY \_\_\_\_\_

# CSCT Member Candidates for January 2002



## Scholarship Information

Note: *There are separate applications for each of the two types of scholarships.*

### A. Joint CPCA/CSCT Scholarship

College scholarship applications are now available for a child of a current member of the CPCA or the CSCT. To be eligible, the student must be in good standing at the school they are attending.

Applications are available from  
Greg McWright  
847-808-3759

Applications must be received by **March 22, 2002**

### B. Merit Scholarship

The CSCT is pleased to announce that Grant In Aid applications are now being accepted for two \$2,000 scholarship awards for students majoring in math, computer or physical science. Current membership for a minimum of 2 years allows a CSCT members' child to apply for the Grant In Aid.

The recipient should be either a high school senior or undergraduate student, who has an excellent academic performance and dedicated service to their community. The criteria for selecting the winners are letters of recommendation, course transcripts, and an essay.

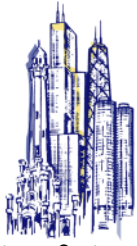
Applications and further information is available from  
David Barrett  
847-516-6105

Application Deadline is **March 15, 2002**

*Mark your calendar for Friday April 26th, 2002*

## **2002 Awards Banquet!**

Show will be Cole Porter's *Anything Goes*  
Drury Lane, Oakbrook Terrace



Chicago Society for  
Coatings Technology  
209 Brett Court  
Arlington Heights, IL 60005  
www.chicagocoatings.org

**Reminder:**  
Dinner Reservation response due by 12/31/01

## CSCT Calendar of Events 2001-2002

	<b>Nov. 12th</b>	William Arendt	Velsicol Chemical Corp.	Coalescent Formulation Studies
	<b>Dec. 7th</b>	CPCA / CSCT Joint Holiday Party	Mystery Dinner Theater	Oakbrook Marriott
	<b>Jan. 7th</b>	Alfred Smith	W.R. Grace	Matting of VOC Compliant Coating Technologies
	<b>Feb. 4th</b>	Mr. Gary Calhoun	Noevon (BF Goodrich)	Formulating Zero to Low VOC Architectural Paint
	<b>Feb. 21st</b>	Symco		Drury Lane Oakbrook
	<b>March 4th</b>	Robert Fry	DuPont	The US and World Economics
	<b>Apr. 8th</b>	Dan Porreau	Lyondell	VOC Compliant Solvents
	<b>Apr. 26th</b>	---Awards Banquet---		Drury Lane, Oakbrook Terrace
	<b>July 22nd</b>	Golf & Tennis Outing		St. Andrews

### CSCT OFFICERS 2001-2002

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