

SCC

SOCIETY OF COSMETIC CHEMISTS

THE SOUTHEAST CHAPTER



Volume XXVII, Number 5

October 2009

2009 Southeast Chapter Officers

CHAIR

Kevin Fowler
Schering-Plough HealthCare
(901) 320-5131
kevin.fowler@spcorp.com

CHAIR-ELECT

Stephen Baldwin
Schering-Plough HealthCare
(901) 320-2747
stephen.baldwin@spcorp.com

SECRETARY

Carol Raiford
Schering-Plough HealthCare
(901) 320-2570
carol.raiford@spcorp.com

TREASURER

Cathy Anglin
J. Strickland & Co.
(662) 890-2306, ext. 1304
caglin@jstrickland.net

TREASURER-ELECT

Lisa Sloan
Schering-Plough HealthCare
(901) 320-2784
lisa.sloan@spcorp.com

October Scientific Dinner Meeting

Wednesday, Oct. 21, 2009

Location: Majestic Grille

145 S. Main St., Memphis, TN 38103

Speaker: Dr. Chuck Jones, Dow Chemical Company

Presentation: "Film Formation: Critical to Your Product's Performance"

6:00 to 6:30 pm - Social Half Hour

6:30 to 8:00 pm - Dinner

8:00 pm - Speaker Presentation

\$45 SCC members / \$50 non-members

**RSVP by noon, Oct. 19th to Carol Raiford
(901) 320-2570 or e-mail: carol.raiford@spcorp.com**



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Message from the Southeast Chair:

As we approach the end of the year, I hope everyone will keep in mind the annual scientific meeting in New York on December 10-11th. This is a great opportunity to share with colleagues and catch up on the latest technologies and happenings in our field.

Our "Lisa Sloan selection" for our October 21st meeting venue is the Majestic Grille, a converted theater from 1913. It's a great place with a lot of history and take note of the ceiling in particular; they really knew how to make them back then! If you have interest in riding an old fashioned electric trolley car, they pass right by the front door on Main Street. Our speaker will be Chuck Jones of Rohm and Haas (Dow Chemical Company) on film forming from solutions. He has extensive experience in this field and is a great presenter – we're looking forward to it!

Southeast Chapter officer nominations are still open for the office of chair-elect and secretary. **Please consider running and support the infrastructure of our chapter!**

I look forward to seeing you at the October meeting.

Kevin Fowler
Southeast Chair

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SAVE THE DATE

Nov. 18, 2009:

**Southeast Chapter officer
installation meeting
Folk's Folly Restaurant
Memphis, TN**

December 10-11, 2009:

**SCC Annual Scientific Meeting
& Technology Showcase
New York Hilton Hotel - New
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The National office has created a form that is now available on the SCC website which allows members to make changes to their membership information and then send the form to the National office.

Members can access the change form under the Contacts Tab on the SCC website www.scconline.org

or by typing the following link address into your browser:

http://69.36.162.213/SCC_Address_Change_Request.htm

Please help keep your membership information up-to-date so you won't miss any newsletters, SCC Journals or national news!

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OOPS... the "A" through "D" suppliers names were missing from the Thank You list in the September newsletter, so we are listing all the suppliers again!

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Lab Lorn by John Garruto

Microorganisms... The Name Game

Cosmetic chemists spend a considerable amount of their time and resources dealing with issues that involve microorganisms. Generally speaking, we work diligently to devise rigorous preservative systems to control their growth and prevent contamination of the products that we develop. While we are quite accustomed with the types of organisms that cause many of our sleepless nights, you might not be as familiar with how these organisms actually received their particular names.

A universal system for naming and classifying living organisms was initially developed in the

18th century by Carl Linnaeus, a Swedish botanist. Linnaeus' purpose was to bring order out of chaos in the living world. He developed a system of classification for all known plants, animals and minerals using Latin and Greek names and called it *Systema Naturae*, literally the system of nature that has lasted to the present day. Linnaeus' name for the genus, coupled with a single Latinized name assigned to the species, gave us our own species, *Homo (man) sapiens* (wise) and his faithful companion, *Canis (dog) familiaris* (domesticated)...and so it goes.

So armed with this basic information let's look at those organisms that comprise the basis of the USP 51, the Antimicrobial Effectiveness Test with which all cosmetic chemists are familiar. The organisms used in this test to determine whether a personal care product is properly preserved are:

Escherichia coli – *Escherichia* (named after Theodor Escherich, its discoverer) and *coli* (of the colon)

Pseudomonas aeruginosa – *Pseudomonas* (false unit or germ) and *aeruginosa* (copper rust, the colonies blue- green pigment)

Staphylococcus aureus - *Staphylococcus* (cluster of grapes) and *aureus* (golden color of colonies)

Candida albicans – *Candida* (white robes worn by Roman Senators) and *albicans* (white coloration)

Aspergillus niger – *Aspergillum* (resembling a holy water sprinkler) and *niger* (black coloration)

Other microorganism names of interest:

Streptococcus viridans (chains of spheres, green in colony color)

Proteus vulgaris (first and common)

Nessieria (Albert Neisser)

Listeria (Joseph Lister)

Legionella longbeachiae (American Legion, Long Beach, California) – one of local flavor but most infections are found in Australia

Salmonella – Don't go there! It has nothing to do with salmon, but takes its name from the US veterinary surgeon Daniel E Salmon who first identified the bacteria strain.

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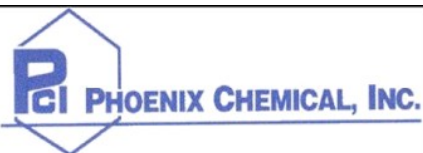
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