

HAIR CHEMISTRY & ETHNIC HAIR CARE

MARCH 25 & 26, 2003
NEWARK AIRPORT HILTON, NEWARK, N.J.
INSTRUCTED BY PATRICK OBUKOWHO & RANDALL WICKETT Ph.D.

COURSE OUTLINE

ETHNIC PRODUCT/RELAXER FORMULATION: NEW TECHNOLOGICAL APPROACH:

- Relaxer definition
- Relaxers then and now
- Chemistry of actives in relaxers
- Emulsion design approach for relaxers
- Emulsifier selections
- Conditioning agents for relaxers
- Conditioning definition
- Pre-Treatment products
- Post-Treatment products
- Shampoos
- Lye versus no lye relaxers
- Characteristics of a good relaxer
- The ethnic market in general
- Africa America consumers
- High selling ethnic products
- Future trend in ethnic products
- Formulating ethnic products to minimize hair damage

Hair Growth: Placode formation, the root bulb. Hair bulge and growth structures. Growth phases. Androgenic effects on hair growth.

Hair Structure: Morphology of the hair follicle. Cuticle Structure. Cortical proteins. Ethnic and other variations in hair structure.

Hair Color: The melanocyte. Eumelanin and Pheomelanin. The melanocortin 1 receptor and hair color.

Physical Properties: The two phase, matrix and microfibrillar model and series zone models for stress/strain behavior. Torsion and bending. Molecular structure and mechanical behavior. Interactions with water, Mechanisms of Setting, Surface Properties.

Chemical Reactions In Hair: Reduction chemistry. Effects of reducing agents, pH and temperature, Oxidation reactions.

Hair Damage: Chemical damage. Physical damage. Measurement of hair damage.

FEES

	Early Fee	Late Fee (After 03/10/03)
SCC Member	\$425.00	\$450.00
SCC Student Member	\$225.00	\$250.00
Non-Member	\$525.00	\$550.00

About The Instructors

PATRICK OBUKOWHO is currently the Manager-Personal Care Application for Croda, Inc. at its North America Technical Center (NATC) in Edison, NJ and has been with the Company since 1994. Much of his work has been focused on ethnic hair care, specifically on relaxer technology and the development of new manufacturing techniques. Mr. Obukowho has co-authored three articles on hair relaxers which has appeared in industry journal and is known as one of the leading authorities on relaxers. Mr. Obukowho holds a B.S. in chemistry from Chicago State University. Prior to joining Croda, he was a research chemist for Luster Product in Chicago. Presenter at the IFSCC in South Africa 1999. Provided technical assistance to both domestic and international ethnic companies.

RANDALL WICKETT, Ph.D. obtained his Ph.D. in Biophysics from Oregon State University of Corvallis Oregon in 1972 and was a Postdoctoral Fellow at the University of Minnesota in the Department of Chemistry, from 1972-1974. He worked at Procter & Gamble's Miami Valley Laboratories from 1974 to 1985 and in the Department of Dermal Research, S.C. Sjohnson & Son, Inc. from 1985-1991. He joined the University of Cincinnati College of Pharmacy as Associate Professor of Pharmaceutics and Cosmetic Science in 1991 and was promoted to the rank of Professor in 1998. He also serves as a consultant to several major skin and hair companies. Dr. Wickett is a Fellow of the Society of Cosmetic Chemists (SCC) and has received numerous SCC technical awards including the Maison G. de Navarre Medal Award, the SCC's highest award for technical achievement. He was also editor of the Journal Of The Society of Cosmetic Chemists from 1991 to 1997.

- Course hours: 9:00 A.M. – 5:00 P.M.
- Registration fee includes all course materials, lunch, coffee & beverage breaks.
- Registrants must make hotel accommodations on their own, if needed. Contact the Hilton Newark Airport Hotel at (908) 351-3900. The SCC has blocked a limited number of guest rooms at a discounted rate. Indicate to reservation agent that you will be attending this SCC function.

These rates are available for a limited time so please make your reservation by 03/15/03.
-Fees for the course are transferable but not refundable after 03/18/03.
-ALL CHECKS ARE TO BE PAID IN U.S. DOLLARS DRAWN ON A BANK WITH AN ADDRESS IN THE UNITED STATES AND MADE PAYABLE TO THE SOCIETY OF COSMETIC CHEMISTS.

If five or more employees from the same company register for the same course, they may deduct \$25.00 from each registration. The deadline for cancellation of registration is two weeks prior to the first day on which the class is scheduled.

NOTE: The SCC reserves the right to cancel any course for which there is insufficient registration. A full refund will be issued in this circumstance.

SCC

2003 REGISTRATION FORM

REGISTRATIONS CAN BE SENT TO SCC VIA:

MAIL:
Society of Cosmetic Chemists
120 Wall Street, Suite 2400
New York, NY 10005-4088

FAX:
(212) 668-1504

American Express, Visa and Master Cards are accepted for payment. All Checks should be made payable to Society of Cosmetic Chemists. Please type or print your name, as you want it to appear on your badge and certificate. Reproduce this form for additional registrations. *All courses must be paid in full before course date. **DO NOT ASSUME YOU ARE REGISTERED UNLESS YOU RECEIVE A PRINTED CONFIRMATION BY MAIL OR FAX.**

Course Title	Date	Course Fee
	TOTAL ENCLOSED	

NOTE: ALL CHECKS ARE TO BE PAID IN U.S. DOLLARS DRAWN ON A BANK WITH AN ADDRESS IN THE UNITED STATES AND MADE PAYABLE TO THE SOCIETY OF COSMETIC CHEMISTS.

CIRCLE CHOICE: VISA MASTER CARD AMERICAN EXPRESS

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QUESTIONS? Phone Doreen Scelso at the SCC National Office at (212) 668-1500

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