

HAIR COLOR

FEBRUARY 19, 2004
NEWARK AIRPORT HILTON – NEWARK, N.J.
INSTRUCTED BY KEITH BROWN Ph.D.

COURSE OUTLINE

This course is designed to give the student a basic understanding of natural hair color, and then discuss the current technologies that attempt to restore or change this color. Hair color products will be described by their chemistry as well as their formulation properties.

INTRODUCTION

- . Hair structure
- . Natural hair color
 - melanogenesis
 - eumelanins and pheomelanins
- . Properties of melanins
- . Types of hair coloring products

HAIR BLEACHING

- . Hydrogen peroxide
- . Bleaching powders
- . Mechanism of bleaching
- . Product formulations
- . Effects on hair

PERMANENT (OXIDATIVE) HAIR DYES

- . Historical overview, positioning and current market
- . Developers, couplers and oxidants
- . Chemistry of dyeing
- . Hydrogen peroxide
- . Formulation of shades
- . Stability of the colors
 - shampoos, sunlight, chemicals
- . Formulation of products
 - lotions, creams and gels
 - powders
 - conditioning
 - dye palettes
- . Toners
- . Lower pH products / Air-oxidizing products

SEMIPERMANENT HAIR DYES

- . Historical overview, positioning and current market
- . Direct dyes
- . Nitrobenzenes, anthraquinones and azo dyes
- . Effects of dye structure on color
- . Mechanism of dyeing
- . Formulation of shades
- . Stability of the colors
- . Formulation of products
 - lotions, creams, mousses
 - dye palettes

TEMPORARY HAIR DYES

- . Market and positioning
- . Types of dyes
- . Colored hair sprays, gels and setting lotions
- . Color refreshers
 - arianor dyes

MISCELLANEOUS PRODUCTS

- . Natural dyes
- . Metallic dyes
- . Color removers

SAFETY & REGULATORY ISSUES FOR HAIR DYES

- . Approved dyes
- . Coal tar dyes
- . Positive and negative lists of dyes

FEEES

	Early Fee	Late Fee (02/05/04)
SCC Member	\$300.00	\$350.00
SCC Student Member	\$150.00	\$175.00
Non-Member	\$425.00	\$475.00

ABOUT THE INSTRUCTOR

Dr. Keith Brown retired in July 2002 from his position as Director of Research for Clairol Inc., Stamford, CT. In his 28 years with Clairol, he made many contributions to the understanding of the chemistry of hair dyeing. He has also worked on the synthesis of novel hair dyes, and on numerous other aspects of hair dye technology. He has co-authored over 40 patents and publications in this field and has written several book chapters on the chemistry and practice of hair coloring. Prior to joining Clairol, he graduated from the University of Liverpool, England with a Ph.D. for work on diazo chemistry, and was a Post-doctoral Fellow at the University of Rochester, Rochester, N.Y. He is now a consultant on hair dyeing technology.

- Course hours: 9:00 A.M. – 5:00 P.M.
- Registration fee includes all course materials, lunch, coffee and beverage breaks.
- Registrants must make hotel accommodations on their own, if needed. Contact the Newark Airport Hilton 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 reservations by 01/31/04.
-Fees for the course are transferable but not refundable after 01/29/04. Applicants that do not transfer to attend a different course will be subject to a \$50.00 administration fee.
-All checks are to be paid in U.S. Dollars drawn on a bank with an address in the United States 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. If ten or more register they may deduct \$50.00 from each registration.

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

SCC

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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