

---

## Calendar

---

- laer Polytechnic Institute, Troy, NY. Contact: Office of Continuing Studies, Rensselaer Polytechnic Institute, Troy, NY 12181.
- Society of Cosmetic Chemists—COSA Annual Educational Conference, June 8-11, 1980, cosponsored by SCC and Arnold & Marie Schwartz College of Pharmacy & Health Sciences of Long Island University, Henry Chauncey Conference Center, Princeton, NJ. Contact: Society of Cosmetic Chemists, 1995 Broadway, Suite 1701, New York, NY 10023.
- International Exhibition for the Pharmaceutical, Cosmetics, Toiletry, Perfumery and Allied Industries, June 10-13, Metropole Exhibition Centre, Brighton, England. Contact: British Information Services, 845 Third Ave., New York, NY 10022.
- 11th Congress of International Federation of Societies of Cosmetic Chemists, Sept. 23-27, 1980, Venice, Italy. Contact: IFSCC, P. Salzedo, 56 Kingsway, London WC2B 6DX, England.
- 1980 Conference on International Cosmetic Regulations, Sept. 27, 1980, Venice, Italy, sponsored by the International Federation of Societies

- of Cosmetic Chemists.
- Symposium: "Sensory Evaluation of Product Performance," Oct. 20-22, 1980, sponsored by the Society of Cosmetic Chemists, Hilton Hotel, Stratford-upon-Avon, England. Contact: M. Callingham, 56 Kingsway, London WC2B 6DX, England.
- Eighth Residential Postgraduate Course in Cosmetic Science, Nov. 9-15, 1980, sponsored by the Society of Cosmetic Scientists, Palace Court Hotel, Bournemouth, England. Contact: M. Callingham, 56 Kingsway, London WC2B 6DX, England.
- Society of Cosmetic Chemists Annual Scientific Meeting, Dec. 11-12, New York City. Contact: Program Co-chairmen, Robert L. Goldemberg or Harvey S. Schnur, c/o Society of Cosmetic Chemists, 1995 Broadway, Suite 1701, New York, NY 10023.
- 1981**
- The Soap and Detergent Association Industry Convention, Jan. 28-Feb. 1, 1981, Boca Raton Hotel & Club, Boca Raton, FL.
- "Color Technology for Management," June 16-17, 1980, sponsored by Rensselaer Color Measurement Laboratory, Rensselaer Polytechnic Institute, Troy, NY. Contact: Of-

- fice of Continuing Studies, Rensselaer Polytechnic Institute, Troy, NY 12181.
- "Advances in Color Technology," June 23-27, 1980, sponsored by Rensselaer Color Measurement Laboratory, Rensselaer Polytechnic Institute, Troy, NY. Contact: Office of Continuing Studies, Rensselaer Polytechnic Institute, Troy, NY 12181.
- Fourth International Conference on Surface and Colloid Science, July 5-10, 1981, Jerusalem, Israel. Contact: A.S. Kertes, Institute of Chemistry, The Hebrew University, Jerusalem, Israel.

### 1982

- The Soap and Detergent Association Industry Convention, Jan. 27-31, 1982, Boca Raton Hotel & Club, Boca Raton, FL.

### 1983

- The Soap and Detergent Association Industry Convention, Jan. 26-30, 1983, Boca Raton Hotel & Club, Boca Raton, FL.

### 1984

- The Soap and Detergent Association Industry Convention, Jan. 1984, Boca Raton Hotel & Club, Boca Raton, FL. □

---

## Abstracts

---

### Soaps, detergents and cosmetics

THE EFFECT OF ORGANIC ADDITIVES ON THE HYDROPHILIC-LIPOPILIC BALANCE OF NONIONIC SURFACTANTS. L. Marzal. *Tenside Deterg.* 16(6), 303-5 (1979). The effects of water-soluble additives: formamide derivatives, acetone, dioxane, urea and urethane on the cloud points and phenol index values were compared. The results were interpreted as the change of the effective hydrophilelipophile balance of polyoxyethylenated nonionic surfactants.

PHOSPHATE ACTIVATION IN CATIONIC FLOTATION OF CELESTITE. S.F. Estefan. *Tenside Deterg.* 16(6), 306-9 (1979). Adsorption isotherms of phosphate anions and cetyl pyridinium bromide cations onto celestite were plotted at controlled ionic strength, pH, and temperature. Flotation tests were carried out in a modified Hallimond tube for a fixed flotation time.

THE REACTION OF FATTYACIDS AND THEIR DERIVATIVES WITH ETHYLENE OXIDE V. A KINETIC STUDY OF THE SECOND REACTION STAGE OF THE REACTION OF STEARIC ACID WITH ETHYLENE OXIDE. M. Bares, et al. *Tenside Deterg.* 16(5), 308-15 (1979). Reported were the results of an experimental investigation of the reaction between stearic acid and ethylene oxide. Kinetic relationships of the polyaddition reaction in the second reaction stage expressed through the formation of a diadduct were mathematically evaluated.

THE PURITY OF AQUEOUS SURFACTANT SOLUTIONS AND THE DYNAMIC SURFACE TENSION BEHAVIOR. K. Lunkenheimer and R. Miller. *Tenside Deterg.* 16(6), 312-6 (1979). The time dependence of the surface tension of various surfactant solutions (n - octanoic acid, Na-dodecylsulfate, Na-dodecanesulfonate,

Na-undecanesulfonate) was measured in the case of adsorption and desorption. The original solutions of the surfactants used show an own, apparent surface tension equilibrium each for the compressed and the expanded state.

PHOSPHORIC ACID ESTERS IN LIQUID AND POWDERED FORM. Washing and cleansing agents. G. Sorbe. *Seifen, Ole, Fette, Wachs.* 105(18), 545-6 (1979). Preparation and properties.

ACTION OF SURFACE-ACTIVE SUBSTANCES ON BIOLOGICAL MEMBRANES. V. HEMOLYTIC, LYTIC AND MEMBRANE-PERTURBING EFFECTS OF N-LAUROYL DERIVATIVES OF AMINO ACIDS WITH ALIPHATIC SIDE CHAINS. B. Zaslavsky, et al. *Colloid Polym. Sci.* 257(9), 953-8 (1979). The hemolytic action of a number of N-lauroyl derivatives of amino acids with aliphatic side chains on human red cells has been examined.

MECHANISM OF DEMULSIFICATION OF OIL-IN-WATER EMULSION IN THE CENTRIFUGE. A.U. Hahn and K.L. Mittal. *Colloid Polym. Sci.* 257(9), 959-67 (1979). The mechanism of demulsification of 30% Nujol-70% water emulsions with various surfactants has been studied using a Coulter Counter to monitor the particle size at various depths in the cream layer as a function of time of centrifugation. It was found that the cream layer is stratified with varying sizes of oil globules along the centrifuge cell.

THE CONTACT ANGLES OF SURFACTANT SOLUTION ON THE QUARTZ SURFACE. Z.M. Zorin et al. *Colloid Polym. Sci.* 257(9), 968-72 (1979). The contact angles formed on the quartz surface by 0.1 N NaCl aqueous solution at different pH were measured. The effect of surfactants such as anion-active sodium dodecyl sulfate and cation-active cetyltrimethylammonium bromide was investigated.