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## Calendar

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### AOCS NATIONAL MEETINGS

Annual Meeting, 1980: Apr. 27-May 1  
— New York, NY, New York Hilton  
Hotel.

Annual Meeting, 1981: May 17-21,  
Fairmont Hotel, New Orleans, LA.

Annual Meeting, 1982: May 2-6, Sher-  
aton Centre, Toronto, Ontario,  
Canada.

Annual Meeting, 1983: May 8-12,  
Chicago Marriott, Chicago, IL.

### AOCS SHORT COURSES

AOCS Short Course on Soaps and De-  
tergents, Sept. 14-17, 1980, Her-  
shey, PA.

### 1980

Lime Soap Dispersing Agents, two  
seminars sponsored by the National  
Renderers Association and the Ja-  
pan Soap and Detergent Industrial  
Cooperative Association in coopera-  
tion with the Japan Oil Chemists'  
Society, in Tokyo, Apr. 8, 1980,  
and in Osaka, Apr. 10, 1980. Con-  
tact National Renderers Associa-  
tion, Inc., 3150 Des Plaines Ave.,  
Des Plaines, IL 60018 (tele: 312-  
827-8151).

FDA's Scientific Program — Cosmetics,  
discussed by John Wenninger of the  
FDA, Society for Cosmetic  
Chemists Midwest Chapter, April  
10, 1980, Starlight Inn, 9950 W.  
Lawrence Ave., Schiller Park, IL.  
Contact: Jack Herlel, Alpine Aro-  
matics International, PO Box 666,  
Naperville, IL 60540.

"X-Ray Technique in Cosmetic Sci-

ence," Northern Lecture, Apr. 10,  
1980, the Society of Cosmetic  
Chemists, Post House Hotel, San-  
diacre, Nottingham, England.  
Contact: M. Callingham, 56 Kings-  
way, London WC2B 6DX, UK.

Detergents in Depth, 4th Biennial  
Symposium, Apr. 10-11, 1980,  
sponsored by The Soap and Deter-  
gent Association, 475 Park Ave.,  
South, New York, NY 10016.

Symposium: "Recent Advances in  
Cosmetic Science," Apr. 14-16,  
1980, the Society of Cosmetic  
Chemists, Assembly Rooms, Bath,  
England. Contact: M. Callingham,  
56 Kingsway, London WC2B 6DX,  
UK.

Technical Exhibition of the Oil and  
Colour Chemists Association, May  
13-15, 1980, Cunard International  
Hotel, London, England. Contact:  
British Information Services, 845  
Third Ave., New York, NY 10022.

International Exhibition for the Phar-  
maceutical, Cosmetics, Toiletry,  
Perfumery and Allied Industries,  
June 10-13, Metropole Exhibition  
Centre, Brighton, England. Con-  
tact: British Information Services,  
845 Third Ave., New York, NY  
10022.

11th Congress of International Federa-  
tion of Societies of Cosmetic  
Chemists, Sept. 23-27, 1980, Ven-  
ice, Italy. Contact: IFSCC, P.  
Salzedo, 56 Kingsway, London  
WC2B 6DX, England.

1980 Conference on International Cos-  
metic Regulations, Sept. 27, 1980,  
Venice, Italy, sponsored by the In-  
ternational 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 Kings-  
way, 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.

### 1981

The Soap and Detergent Associa-  
tion Industry Convention, Jan. 28-  
Feb. 1, 1981, Boca Raton Hotel &  
Club, Boca Raton, FL.

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. □

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## Abstracts

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THE KILLING OF MICRO-ORGANISMS ON SOLID SURFACES. M. Loncin. *Tenside Deterg.* 16(4), 197-9 (1979). A method of investigating the killing of micro-organisms, especially spores, on solid surfaces has been developed. It consists of applying droplets of a suspension to aluminum foil, drying them, and exposing them to a stream of gas at a certain temperature and gas velocity. Killing with hydrogen peroxide and peroacetic acid solutions with and without additional heat treatment was also studied.

THE USE OF PHOSPHORIC ACID ESTERS IN DISINFECTANT CLEANERS. H.D. Nielen and G. Sorbe. *Tenside Deterg.* 16(4), 199-202 (1979). Short-chain alkyl phosphoric acid esters are used especially in acid cleaners for solid surfaces. Their manufacture and properties are described. For special applications, however, cleaning itself is insufficient for in certain cases it is also necessary to disinfect the cleaned surface. Here, one observes very interesting combination effects between phosphoric acid esters and disinfectants.

HYGIENIC ASPECTS OF LAUNDERING AND CLEANING. L. Grun. *Tenside Deterg.* 16(4), 171-4 (1979). The term hygiene in connection with laundering and cleaning encompasses two different aspects: as used to express visual cleanliness, and as used to express prevention of illness and maintenance of health. Lack of hygiene and the associated danger to health

is closely linked with bacteria.

CHEMICAL ASPECTS OF LAUNDERING AND CLEANING. P. Berth and M.J. Schwuger. *Tenside Deterg.* 16(4), 175-84 (1979). Modern detergents and cleaners meet all the practical demands made on them as regards cleanliness and hygiene. The chemical aspects involved are discussed in relation to the chemical constitution of the active substances, with the help of physico-chemical experimental results. Discussed are the resultant findings as regards the mechanism involved in detaching soil from substrates during laundering and cleaning.

FUNDAMENTAL ASPECTS RELATING TO THE HYGIENE OF SOLID SURFACES. E. Kanz. *Tenside Deterg.* 16(4), 185-90 (1979). Wherever the spreading of germs is a hygienic risk, solid surfaces such as working tops, instruments, floors, furniture, and possibly, walls, must be almost or completely free from germs in order to prevent the spread of disease. The characteristic of germs to adhere to surfaces enables examination of the various materials used in solid surfaces to find out to what extent germs adhere to them and to scientifically quantify this question. As far as practical hygiene is concerned, this means that materials with a high degree of germ adhesion can be freed from germs only with difficulty by normal cleaning techniques. Here, the germ-killing effect of chemical surface disinfectants is generally the only solution to the problem.

## Calendar

- "X-Ray Technique in Cosmetic Science," Northern Lecture, Apr. 10, 1980, the Society of Cosmetic Chemists, Post House Hotel, Sandiacre, Nottingham, England. Contact: M. Callingham, 56 Kingsway, London WC2B 6DX, UK.
- Detergents in Depth, Apr. 10-11, 1980, 4th Biennial Symposium sponsored by The Soap and Detergent Association, Fairmont Hotel, San Francisco, CA. Contact: Consumer Affairs Department, The Soap and Detergent Association, 475 Park Ave. South, New York, NY 10016.
- Federation of American Societies for Experimental Biology meeting, Apr. 13-18, 1980, Anaheim, CA. Contact: FASEB, 9650 Rockville Pike, Bethesda, MD 20014 (tele: 301-530-7000).
- Symposium: "Recent Advances in Cosmetic Science," Apr. 14-16, 1980, the Society of Cosmetic Chemists, Assembly Rooms, Bath, England. Contact: M. Callingham, 56 Kingsway, London WC2B 6DX, UK.
- Introduction to Cereal Chemistry & Technology, Apr. 14-17, 1980, sponsored by the American Association of Cereal Chemists, Thunderbird Motel, Bloomington, MN. Contact: Raymond J. Tarleton, American Association of Cereal Chemists, 3340 Pilot Knob Rd., St. Paul, MN 55121.
- 21st Annual Convention of the Mississippi Valley Oilseed Processors Association, Inc., Apr. 17-20, 1980, Royal d'Iberville Hotel, Biloxi, MS. Contact: Eloise Waters, MVOPA, 60 N. Main, Suite 1904, Lincoln American Tower, Memphis, TN 38103.
- "Noise in the Textile Industry," Apr. 18, 1980, sponsored by the Commonwealth Scientific and Industrial Research Organization (CSIRO), Geelong, Victoria, Australia. Contact: CSIRO Div. of Textile Industry, PO Box 21, Belmont, Victoria, 3216, Australia.
- "Harvesting the Sun," Apr. 21-24, 1980, world congress and exposition sponsored by the Bio-Energy Council, Atlanta, GA. Contact: Bio-Energy Council, Suite 825 A, 1625 Eye St., NW, Washington, DC 20006 (tele: 202-833-5656).
- International Bio-Energy Meeting, Apr. 21-25, 1980, Georgia World Congress Center, Atlanta, GA.
- Dough Rheology/Experimental Baking, Apr. 22-25, 1980, sponsored by the American Association of Cereal Chemists, North Dakota State University, Fargo, ND. Contact: Raymond J. Tarleton, American Association of Cereal Chemists, 3340 Pilot Knob Rd., St. Paul, MN 55121.
- Symposium: Instrumentation for People/1980, Apr. 30-May 2, 1980, jointly sponsored by the Food Industries Division and the Water and Wastewater Industries Divisions of the Instrument Society of America, Radisson South Hotel, Bloomington, MN. Contact: Charles T. Glazer, Instrument Society of America, 400 Stanwix St., Pittsburgh, PA 15222.
- May**
- Golden Jubilee International Congress on Essential Fatty Acids and Prostaglandins, May 4-7, 1980, sponsored by the University of Minnesota, Minneapolis, MN. Contact: Ruth McIntyre, Continuing Medical Education, 143 Owre Hall, University of Minnesota, 421 Delaware St. S.E., Minneapolis, MN 55455.
- 67th Mid-Year Meeting of CSMA, May 11-13, 1980, The Drake, Chicago. Contact: CSMA, Suite 1120, 1001 Connecticut Ave. NW, Washington, DC 20036.
- Technical Exhibition of the Oil and Colour Chemists Association, May 13-15, 1980, Cunard International Hotel, London, England. Contact: British Information Services, 845 Third Ave., New York, NY 10022.
- Society of Cosmetic Chemists Annual General Meeting, May 22, 1980, Trafalgar Suite, Charing Cross Hotel, Strand, London WC2. Contact: M. Callingham, 56 Kingsway, London WC2B 6DX, England.
- 22nd International Conference on the Biochemistry of Lipids, May 26-28, 1980, Milan, Italy. Contact: Brita Rolander-Chilo, General Secretary, Centro Studi dell'Alimentazione, Nutrition Foundation of Italy, Via S. Pietro all'Orto 17, 20121 Milan, Italy.
- June**
- Polymer Blends and Composites, short course sponsored by Lehigh University, June 1-6, 1980, Lehigh University in Bethlehem, PA. Contact: Jone Svirzofsky, Cox Laboratory 32, Lehigh University, Bethlehem, PA 18015.
- 7th Ocean Energy Conference, sponsored by the Ocean Systems Branch, US Department of Energy, June 2-5, 1980, Shoreham Americana Hotel, Washington, DC. Contact: Gibbs & Cox, Inc., 2341 Jefferson Davis Highway, Suite 1020, Centure Bldg., Arlington, VA 22202.
- Pasta and Durum Wheat Quality, June 3-6, 1980, sponsored by the American Association of Cereal Chemists, North Dakota State University, Fargo, ND. Contact: Raymond J. Tarleton, American Association of Cereal Chemists, 3340 Pilot Knob Rd., St. Paul, MN 55121.
- 1980 Industrial Pollution Conference, June 4-6, 1980, sponsored by the Water and Wastewater Equipment Manufacturers Association (WWEMA), Houston, TX. Contact: Leslie Tierstein, ICON/Information Concepts, Inc., 211 S. 45th St., Philadelphia, PA 19104.
- Institute of Food Technologists Annual Meeting and "Food Expo," June 8-11, 1980, New Orleans, LA. Contact: Dan E. Weber, Director of Marketing/Administration, Institute of Food Technologists, 221 N. LaSalle St., Chicago, IL 60601. (tele: 312-782-8424).
- 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.
- Ninth International Sunflower Conference, June 8-13, 1980, Torremolinos, Malaga, Spain, sponsored by the International Sunflower Association. Contact: IRMA ESCO-BAR, SIASA-Congresos, Manuel del Palacio s/n; Edif. Costabella 3-; Malaga, Spain.
- 11th International Congress of the International Society of Psychoneuroendocrinology, June 16-20, 1980, sponsored by Fondazione Giovanni Lorenzini, Florence, Italy. Contact: Fondazione Giovanni Lorenzini, Via Monte Napoleone, 23-20121, Milano, Italy (cable: Lorenzfound).
- Air Pollution Control Association (APCA) 73rd Annual Meeting & Exhibition, "Pollution/Economics/People," June 22-27, 1980, Place Bonaventure, Montreal, Quebec, Canada. Contact: Public Relations Department, Air Pollution Control Association, PO Box 2861, Pittsburgh, PA 15230.
- Interpenetrating Polymer Networks, short course sponsored by Lehigh University, June 25-27, 1980, Lehigh University, Bethlehem, PA. Contact: Jone Svirzofsky, Cox Laboratory 32, Lehigh University, Bethlehem, PA 18015.
- July**
- Second International Congress on Toxicology, July 7-11, 1980, Brussels, Belgium. Contact: SdR Associated, 16 Avenue des Abeilles, 1050 Brussels, Belgium (tele: 02647-87-80).
- August**
- National Soybean Processors Association

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## Calendar

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tion Annual Meeting, Aug. 10-12, 1980, The Lodge at Pebble Beach, Pebble Beach, CA. Contact: Barbara Harrelson, Special Projects Director, National Soybean Processors Association, 1800 M Street, NW, Washington, DC 20036. (tele: 202-452-8040).

22nd Annual Rocky Mountain Conference, Spectroscopy/Chromatography, Aug. 11-14, 1980, sponsored by Rocky Mountain Society of Applied Spectroscopy and Rocky Mountain Chromatography Discussion Group, Denver Convention Complex, Denver, CO. Contact: Keith J. Grossaint, Publicity Chairman, Rocky Flats Plant, Energy Systems Group, PO Box 464, Golden, CO 80401.

Second Chemical Congress of the North American Continent, exposition and meeting of the American Chemical Society, August 24-29, 1980, San Francisco, California.

International Symposium on Food Technology in Developing Countries, sponsored by the Department of Food Science & Technology, Universiti Pertanian Malaysia, Aug. 26-28, Kuala Lumpur, Malaysia. Contact: The Organizing Secretary, International Symposium on Food Technology in Developing Countries, Department of Food Science & Technology, University of Agriculture, Malaysia (Universiti Pertanian Malaysia), Serdang, Selangor, Malaysia.

### September

Chemical Marketing Research Association, Sept. 21-24, 1980, Doral,

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Country Club, Miami, Florida, Contact: CMRA, 139 Chestnut Ave., Staten Island, New York, 10305. Eleventh International Federation of Societies of Cosmetic Chemists Congress, Sept. 23-27, 1980, Venice, Italy.

1980 Conference on International Cosmetic Regulations, Venice, Italy, Sept. 27, 1980, sponsored by the International Federation of Societies of Cosmetic Chemists.

### October

International Symposium on Energy and Food Industry, Oct. 6-8, 1980, sponsored by the Commission Internationale des Industries Agricoles et Alimentaires (CIIA) and the International Union of Food Science and Technology (IUFoST), in cooperation with the Spain Ministry of Agriculture, Madrid, Spain. Contact: Direccion General de Industrias Agrarias (Simpósio 80). Ministerio de Agricultura, Paseo Infanta Isabel 1-Madrid 7, Spain (information in Spanish) or CIIA, C.P. 470-08, 75366 Paris Cédex 08, France. (Information in language other than Spanish).

Joint Symposium on Stationary Combustion NO<sub>x</sub> Control, Oct. 6-9, 1980, sponsored by the U.S. Environmental Protection Agency (EPA) and the Electric Power Research Institute, Denver, CO. Contact: Keith Bentz, Acurex Corp., 485 Clyde Ave., Mountain View, CA 94042 (tele: 415-964-3200).

"Formulation for and Utilization of Pigment Dispersion Equipment," Oct. 7, 1980, presented by the Manufacturing Committee of the Cleveland Society for Coatings Technology, Cleveland Engineering

and Scientific Center, Cleveland, OH. Contact: Girish Dubey, Cambridge Coatings, Inc., 5461 Dunham Rd., Cleveland, OH 44137 (tele: 216-475-3800).

Association of Official Analytical Chemists Annual Meeting, Oct. 19-23, 1980, Marriott Twin Bridges Hotel, Washington, DC. Contact: AOAC, Box 540 Benjamin Franklin Station, Washington, DC 20044. International Week of Engineering, Oct. 19-25, 1980, sponsored by the Mexican Federation of Engineering Societies, Mexico City, Mexico. Contact: Julie Gibouleau, American Association of Engineering Societies, 345 E. 47th St., 3rd Floor, New York, NY 10017.

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.

Instrumentation of the 80s - A Decade of Challenge, Oct. 20-23, 1980, sponsored by the Instrument Society of America, Houston, TX. Contact: ISA, 400 Stanwix St., Pittsburgh, PA 15222 (tele: 412-281-3171).

"Three R's for the 80's: Research, Resources, and Regulations," Annual Meeting of the Federation of Societies for Coatings Technology, held jointly with the Paint Industries' Show, Oct. 29-31, 1980, Civic Center, Atlanta, GA. Contact: Hugh Lowrey, Federation of Societies for Coatings Technology, 1315 Walnut St., Suite 830, Philadelphia, PA 19107.

National Lubricating Grease Institute Annual Meeting, Nov. 2-5, 1980, Royal Sonesta, New Orleans, LA. Contact: J. Penrod, NLGI, 4635 Wyandotte St., Kansas City, MO 64112.

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# Abstracts

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## Fats and oils

INFLUENCE OF ORAL POLYUNSATURATED AND SATURATED PHOSPHOLIPID TREATMENT ON THE LIPID COMPOSITION AND FATTY ACID PROFILE OF CHIMPANZEE LIPOPROTEINS. M. Rosseneu, B. Declercq, D. Vandamme, R. Verecsmst, F. Soctewey, H. Peeters, and V. Blaton (Algemeen Ziekenhuis Sint Jan, Ruddershove, B-8000 Brugge, Belgium) *Atherosclerosis* 32, 141-53 (1979). The influence of treatment with polyunsaturated lecithin (EPL) and with saturated lecithin on the lipoprotein composition and fatty acid profile was investigated in 4 male chimpanzees. The animals were successively given 3 isocaloric diets containing the same amount of fat with a degree of saturation varying from 1 in the control diet to 0.2 in the diet enriched with polyunsaturated

lecithin, to 4 in the diet enriched with saturated lecithin. The saturated lecithin treatment increases the plasma VLDL and LDL concentrations and the triglyceride levels and increases mostly the saturation ratio of the cholesterol esters. These effects are likely to enhance the progression of atherosclerosis.

<sup>13</sup>C-<sup>12</sup>C ANALYSIS OF VEGETABLE OILS, STARCHES, PROTEINS, AND SOY-MEAT MIXTURES. J. Gaffney, A. Irsa, L. Friedman, and E. Emken (Chem. Dept., Brookhaven Nat'l. Lab., Upton, NY 11973) *J. Agric. Food Chem.* 27(3),475-8 (1979). The <sup>13</sup>C-<sup>12</sup>C ratios for a number of vegetable oils, starches, and proteins have been determined. As expected, the values for animal proteins reflect