



## Meetings

### AOCS National Meetings

- Sept. 16-19, 1973—Chicago, Ill., Pick Congress Hotel.  
Apr. 28-May 1, 1974—Mexico City, Mexico, Maria Isabel Sheraton Hotel, Aristos Downtowner.  
Sept. 29-Oct. 2, 1974—Philadelphia, Pa., Sheraton Hotel.  
Apr. 27-30, 1975—Dallas, Tex., Statler Hilton.  
Sept. 28-Oct. 1, 1975—Cincinnati, Ohio, Netherland Hilton.

### Other Organizations

- July 1-7, 1973—International Union of Biochemistry Ninth International Congress of Biochemistry, Stockholm International Fairs and Activity Center, Stockholm, Sweden. Contact: The Secretariat, Ninth International Congress of Biochemistry, c/o Svenska Kemstsamfundet, Wenner-Gren Center, 6 tr, S-113 46 Stockholm, Sweden.  
July 2-6, 1973—Second Conference of the Association Internationale de la Couleur, University of York, England.  
July 9-13, 1973—Principles of Polymer Science and Technology, Barbizon-Plaza Hotel, New York. Contact: William A. Kulok, program director, 600 Third Ave. 37 NR, New York, N.Y. 10016.  
July 9-13, 1973—Short Course on Dispersions of Pigments and Resins in Organic and Aqueous Media, Kent State University, Kent, Ohio. Contact: Carl J. Knauss, Chemistry Dept., Kent State University, Kent, Ohio 44242.  
July 16-20, 1973—Decorating Plastics, Barbizon-Plaza Hotel, New York. Contact: William A. Kulok, program director, 600 Third Ave. 37 NR, New York, N.Y. 10016.  
July 17-20, 1973—XVIth International Conference on the Biochemistry of Lipids, University of Nottingham, Nottingham. Contact: D.N. Brindley, Dept. of Biochemistry, University of Nottingham Medical School, Nottingham NG7 2RD, England.  
July 17-28, 1973—NATO Advanced Study Institute on Generic Techniques in Systems Reliability Assessment, University of Liverpool, Liverpool, U.K. Contact: E.J. Henley, University of Houston, Houston, Tex. 77004.  
July 22-28, 1973—Fifth Inter-American Congress of Chemical Engineering, Rio de Janeiro, Brazil. Contact: Jean-Michel Charrier, Dept. of Chemical Engineering, McGill University, Box 6070, Montreal 101, Can.  
July 23-27, 1973—Blow Molding Principles and Practices, Barbizon-Plaza Hotel, New York. Contact: William A. Kulok, program director, 600 Third Ave. 37 NR, New York, N.Y. 10016.  
July 25-26, 1973—Understanding Plastics, New York University. Contact: William A. Kulok, NYU, 600 Third Ave. 37 NR, New York, N.Y. 10016.  
Aug. 6-10, 1973—Fundamentals of Plastics, Barbizon-Plaza Hotel, New York. Contact: William A. Kulok, program director, 600 Third Ave. 37 NR, New York, N.Y. 10016.  
Aug. 12-17, 1973—ISA Short Courses on Process and

Environmental Analytical Instrumentation and on Sampling and Sample Systems for Process and Environmental Instrumentation, Temple Buell College, Denver, Colo. Contact: Instrument Society of America, Education Dept., 400 Stanwix St., Pittsburgh, Pa. 15222.

- Aug. 13-17, 1973—Extrusion Principles and Practices, Barbizon-Plaza Hotel, New York. Contact: William A. Kulok, program director, 600 Third Ave. 37 NR, New York, N.Y. 10016.  
Aug. 20-24, 1973—Injection Molding Principles and Practices, Barbizon-Plaza Hotel, New York. Contact: William A. Kulok, program director, 600 Third Ave. 37 NR, New York, N.Y. 10016.  
Aug. 27-29, 1973—National Soybean Processors Association Annual Meeting, Tan-Tar-A Resort & Golf Club, Osage Beach, Mo. Contact: Robert Wilbur, 1225 Connecticut Ave., N.W., Washington, D.C. 20036.  
Aug. 27-31, 1973—Introduction to Foams, Barbizon-Plaza Hotel, New York. Contact: William A. Kulok, program director, 600 Third Ave. 37 NR, New York, N.Y. 10016.  
Aug. 27-31, 1973—Short Course and Computer Workshop: Reliability Technology Theory and Practice, University of Houston, Tex. Contact: E.J. Henley, University of Houston College of Engineering, Houston, Tex. 77004.  
Sept. 2-7, 1973—Instituto Tecnológico Metalurgico "Emilio Jimeno" First International Congress on Mercury, University of Barcelona, Barcelona, Spain. Contact: Primer Congreso Internacional del Mercurio, Instituto Tecnológico Metalurgico "Emilio Jimeno" de la Facultad de Ciencias, Universidad de Barcelona. Barcelona, 14, Spain.  
Sept. 4-14, 1973—ISO-USA-1973, Ninth Triennial Meeting of the International Organization for Standardization, Sheraton-Park Hotel, Washington, D.C. Contact: Dean Maskevich, American National Standards Institute, Inc., 1430 Broadway, New York, N.Y. 10018.  
Sept. 8, 1973—25th Annual Rutgers Conference on Quality Control, Rutgers University, New Brunswick, N.J. Contact: James McGlumphy, Singer-Kearfott Div., Plant 1, Dept. 2271, 1150 McBride Ave., Little Falls, N.J. 07424, or Louis Pasteelnick, Warner-Lambert Co., 201 Tabor Road, Morris Plains, N.J. 07950.  
Sept. 9-12, 1973—Fourth Joint Meeting of the Canadian Society for Chemical Engineering and the American Institute of Chemical Engineers, Hotel Vancouver, Vancouver, B.C. Contact: CSCHe, 151 Slater St., Rm. 906, Ottawa, Ont. K1P 5H3, Can.  
Sept. 10-12, 1973—Course on Noise Control in Manufacturing Plants, Chicago. Contact: Gloria Cianci, Bolt Beranek and Newman Inc., 50 Moulton, Cambridge, Mass. 02138.  
Sept. 10-13, 1973—International Microwave Power Institute Eighth Annual Microwave Power Symposium, Loughborough University of Technology. Contact: (Americas and Asia) R.A. Peterson, Raytheon Co., Microwave and Power Tube Division, Foundry Ave., Waltham, Mass. 02154; (Europe) R.B. Smith, School of Electrical and Electronic Engineering, University of Bradford, Bradford 7, Yorkshire, United Kingdom.  
Sept. 11-12, 1973—New Polymer Applications in Building and Construction Industries, University of Surrey, Guildford. Contact: Editor, *Polymer Paint and Colour Journal*, John Adam House, 17/19 John Adam St., London WC2N 6JH, U.K.  
Sept. 20-21, 1973—Cleveland Society for Paint Technology Symposium on People, Products, Processes, Cleveland Engineering Center, Cleveland, Ohio. Contact: Earle F. Sickels, Body Bros., Inc., 214 Northfield Rd., Bedford, Ohio 44146.

Sept. 23–26, 1973—National Forum on “Growth with Environmental Quality?” Assembly Center, Tulsa, Okla. Contact: Bruce Carnett, manager, public relations, Metropolitan Tulsa Chamber of Commerce, 616 S. Boston Ave., Tulsa, Okla. 74119.

Sept. 24–26, 1973—Course on Noise Control in Manufacturing Plants, New York. Contact: Gloria Cianci, Bolt Beranek and Newman Inc., 50 Moulton, Cambridge, Mass. 02138.

Sept. 25–28, 1973—FILTECH 73 (International Filtration and Separation Exhibition), Olympia Hall, London, U.K. Contact: F. Wells, Shoemaker, Eaton-Dikeman, P.O. Box 126, Mount Holly Springs, Pa. 17065.

Sept. 27–29, 1973—Third International Symposium: Metal-Catalyzed Lipid Oxidation, Institut des Corps Gras, Association Francaise des Techniciens des Corps Gras and Ecole Superieure d’Application des Corps Gras, Paris, France. Contact: ITERG, 5 Boulevard de Labour-Maubourg, 75007 - Paris, France.

Oct. 9–12, 1973—Association of Official Analytical Chemists 87th Annual Meeting, Marriott Hotel, Twin Bridges, Washington, D.C. 20001. Contact: L.G. Ensminger, executive secretary, AOAC, Box 540, Benjamin Franklin Station, Washington, D.C. 20044.

Oct. 15–18, 1973—28th Instrument Society of America International Conference and Exhibit, Astrohalla, Houston, Tex. Contact: Diane R. Schaffler, ISA, 400 Stanwix, Pittsburgh, Pa. 15222.

Oct. 16–19, 1973—10th (Jubilee) Symposium on Colouristics, Eger, Hungary. Contact: Hungarian Chemical Society, 1368 Budapest 5, P.O. Box 204, Hungary.

Oct. 23–25, 1973—Course on Noise Control in Manufacturing Plants, Memphis. Contact: Gloria Cianci, Bolt Beranek and Newman Inc., 50 Moulton, Cambridge, Mass. 02138.

Oct. 24–25, 1973—Symposium on Environmental Chemistry: Know-How and Chemicals in 1973-78, Brussels, Belgium. Contact: i.b./c.c. Administration, Nieuwelaan 65, B-1820 Strombeek, Belgium.

Oct. 25–28, 1973—Third International Symposium on Atherosclerosis, Kongresshalle, West Berlin, Germany. Contact: Kongressgesellschaft fur arztliche Fortbildung e.V., 1 Berlin 41, Wrangelstrasse 11-12, Germany.

Oct. 29–Nov. 2, 1973—Fourth International Conference on Atomic Spectroscopy, Toronto, Ont., Can.

Nov. 5–7, 1973—Course on Noise Control in Manufacturing Plants, Miami. Contact: Gloria Cianci, Bolt Beranek and Newman Inc., 50 Moulton, Cambridge, Mass. 02138.

Nov. 11–15, 1973—American Institute of Chemical Engineers 66th Annual Meeting, Bellevue Stratford Hotel, Philadelphia, Pa. Contact: F.J. Van Antwerpen, executive secretary, AIChE, 345 East 47th St., New York.

Nov. 12–14, 1973—World Soy Protein Conference, Munich, Germany. Contact: Jim Yancey, American Soybean Association, P.O. Box 158, Hudson, Iowa 50643.

Nov. 14–16, 1973—Joint Eastern Analytical Symposium and National Meeting of Society for Applied Spectroscopy, Statler-Hilton Hotel, New York. Contact: Michael W. Miller, NL Industries, P.O. Box 420, Hightstown, N.J. 08520.

Nov. 14–17, 1973—51st Annual Meeting and 38th Paint Industries’ Show, Conrad Hilton Hotel, Chicago, Ill. Contact: Dennis A. Bergren, De Soto, Inc., 1700 South Mt. Prospect Rd., Des Plaines, Ill. 60018.

Nov. 19–21, 1973—Symposium on Water Quality Parameters—Selection, Measurement and Monitoring, Analytical Chemistry Div., Chemical Institute of Canada, Burlington, Ont., Can. Contact: S. Barabas, Analytical Methods Research Div., Canada Centre for Inland

Waters, Burlington, Ont., Can.

Dec. 10–12, 1973—Second Joint Conference on Sensing of Environmental Pollutants, Sheraton-Park Hotel, Washington, D.C. Contact: Philip N. Meade, Instrument Society of America, 400 Stanwix St., Pittsburgh, Pa. 15222.

Apr. 1–5, 1974—International Conference on Animal Feeds of Tropical and Subtropical Origin, London. Contact: Public Relations C, Tropical Products Institute, 56-62 Gray’s Inn Rd., London WC1X 8LU, U.K.

May 1–2, 1974—International Symposium on Flammability and Fire Retardants, Parkway Hotel, Cornwall, Ont., Can. Contact: Vijay Mohan Bhatnagar, editor, *Advances in Fire Retardants*, 209 Dover Rd., Cornwall, Ont., Can.

May 5–8, 1974—Sixth Annual Offshore Conference, Astrohalla, Houston, Tex. Contact: Stan R. Houston, 6200 N. Central Expressway, Dallas, Tex. 75206.

Jul. 22–24, 1974—Sixth International Sunflower Conference, Bucharest, Romania. Contact: Ion Trifu, Academy of Agricultural and Forestry Sciences, Blvd. Marasti 61, Bucharest 1, Romania. ■

● News feature. . .

(Continued from page 264A)

(200), a deficit of 0.56%. An accurate calculation of refining yield is quite impossible if such differences are allowed. A molecular weight of ca. 220 for coconut oil seems most adequate. For rapeseed oil with FFA normally below 1%, differences in molecular weight are of less importance; but for an oil with 2% FFA there is a deficit of 0.18% when changing molecular weight from 310 to 282.

Table III shows a calculation of refining yield using the aforementioned simple system. It is a test refining of ca. 20 tons of oil with every kilogram weighed in and weighed out; even the soapstock is split and the acid oil weighed. The yield is presented in two ways. The first stops after the neutralization step, which is the normal presentation dealing with guarantees, etc. The second also includes the bleaching step, using a manually cleaned filter with ca. 50% oil retention in the spent filter cake. In both cases the loss in the soap-splitting unit is included. Based on these figures the cost for the refining loss is evaluated.

Table IV exhibits the quantity and cost for each utility used in refining, bleaching and soap-splitting, and Table V shows a summary of all costs involved in this refining. The labor costs are based on one man per shift. Normally less than 20% of his time will be needed, so one man operates two lines including the soap-splitting. Maintenance costs are actual figures from our own refinery and include both labor and spare parts. The total refining cost seems a reasonable price for high quality refining. Such a cost evaluation will give the most reliable economic comparison of different refining systems.

REFERENCE

1. Holm, U., Presented at the Third Scandinavian Symposium on Lipid Oxidation, Sandefjord, Norway, 1961.

[Received January 26, 1973]

**HAHN LABORATORIES**

Consulting and Analytical  
Chemists

1111 Flora St. P.O. Box 1177 Columbia, S.C. 29202