

Dr. Karl T. Zilch, chairman for the World Conference on Soaps and Detergents, has been involved in various phases of research on fats, oils, and fatty acids since receiving his doctorate in organic chemistry from the University of Missouri in 1949. Since 1961, he has been technical director for the Fatty and Dibasic Acids Group at Emery Industries of Cincinnati, Ohio.

From 1949 until 1955, he was a research chemist with the U.S. Department of Agriculture's Northern Regional Research Center in Peoria, Illinois. His research assignments included basic studies in the autoxidation of unsaturated fats, oils, and fatty acids; the fractionation of fats, oil, fatty acids and fatty acid derivatives using liquid-liquid counter-current technology; the development of physical and chemical methods for identifying by-products resulting from the autoxidation of unsaturated fatty products; and the development of a global margarine substitute. He concurrently served as an instructor at Bradley University in Peoria during 1950-52.

In 1955, Dr. Zilch joined Emery Industries as a group leader. In 1959 he was named manager of the firm's fatty acid research section. At Emery he has directed research programs related to use of monobasic and dibasic acids in soaps, detergents, surfactants, protective coatings, cosmetic, pharmaceuticals, textiles, lubricants, greases, paper processing, and the processing of ferrous and nonferrous metals.

An active member of the American Oil Chemists' Society, Dr. Zilch has served as co-chairman for the 1965 Annual Meeting; chairman of the 1969 Fatty Acid Short Course; chairman and member of the National Program Planning Committee; member of the Award of Merit, Publication, and Journal committees. He served as an at-large member of the Governing Board in 1970-71.

Session Chairmen

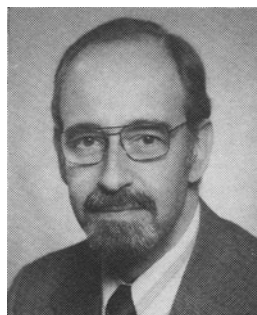
Jacques Bergeron, scientific director for Colgate-Palmolive Co. in Paris, is president of the French C.F.D., vice-president of the Technical Commission of the French Federation for the Industry of Perfumery products and a member of a government/industry panel concerned with effect of chemical products upon the environment. He is a graduate of l'Ecole Supérieure de Physique-Chimie Industrielle de Paris. Since joining Colgate-Palmolive, Mr. Bergeron has served as head of the control laboratory, manufacturing engineer, and head of the research laboratory before being named to his present post.



Rolf Bonaudo is director of the Operating Division of Organic Products and Detergent Raw Materials at Chemische Werke Huls Aktiengesellschaft, Marl, Federal

Republic of Germany. Dr. Bonaudo received his doctorate in 1941. Dr. Bonaudo joined his present firm in 1953, serving successively as export manager, Middle East; export manager, Western and Southern Europe; general manager for overseas sales; and product manager, detergent raw materials, before assuming his present post in 1972.

Dr. Arno Cahn is Director of Development, Household Products Division, Lever Brothers Company, Inc. Dr. Cahn has been with Lever Brothers since 1950 in a variety of research, development, and managerial assignments. He is a Fellow of the American Institute of Chemists; a member of the American Chemical Society, American Oil Chemists' Society, Sigma Xi, and the Industrial Research Institute. He has been an active participant of the AOCS Education Committee and the Steering Committee of the Technical and Materials Division of the Soap and Detergent Association. He holds a bachelor of science degree in chemistry from Queen's University in Canada and a doctorate in organic chemistry from Purdue University.



Florence Fisher is founder and managing director of Environmental Resources Ltd. (ERL), a London-based environmental consultancy with offices also in Brussels and Hong Kong. Mrs. Fisher has supervised a wide range of studies for industrial and consumer companies, governments, and inter-governmental agencies such as the EEC and the U.S. Environment Program. Subject matter of these studies has ranged from the effect of specific product ingredients on the environment to a 15-volume study of environmental legislation and codes for the EEC. She holds a bachelor's degree in chemistry and was a concert pianist.

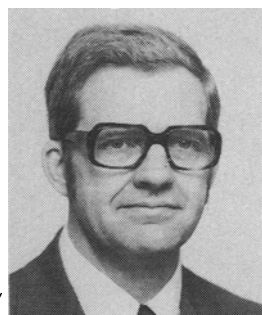
J. Fred Gerech received the B.S., M.S., and Ph.D. degrees from the Polytechnic Institute of Brooklyn. He has been employed in various capacities by the Research and Development Department of the Colgate-Palmolive Co. for the past 36 years, and is a Research Associate in the Synthetic Organic Division. In addition to his industrial career; he has taught science, general and organic chemistries at Fairleigh Dickinson and Rutgers Universities and is presently and Adjunct Professor of Chemistry at Rutgers. He has been a member of the American Oil Chemists' Society since 1950, has served on several committees and as Book Review Editor for the Society's Journal.



C. Kortland of Shell Chemical, The Netherlands, heads

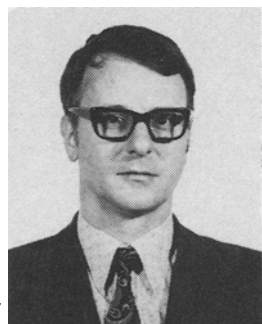
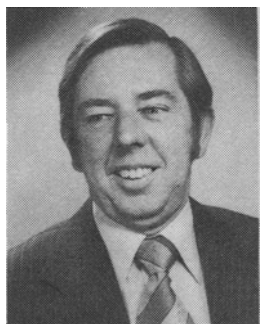
the detergents section of the firm's laboratory and is technical service manager. He deals with all chemical and physical aspects of Shell's surfactants outside the U.S.A. and Canada. Mr. Kortland has been with Shell since 1937 and began work in the detergents area in 1941.

Ray Liss is manager for Environmental Affairs with Monsanto Industrial Chemicals Company, Monsanto Company, in St. Louis, MO. For the past 25 years, he has been continuously involved in research and development of surfactants and detergents, as well as related product application and processes. He was involved in all phases of product development through commercial manufacture for biodegradable surfactants and technically responsible for all phases of detergent enzyme development from bacterial strain selection, fermentation, product separation, purification, and applications in detergent systems. Mr. Liss has served as chairman of the Soap and Detergent Association (U.S.A.) Enzyme Subcommittee, and is an active member of the American Oil Chemists' Society, the SDA, Chemical Specialties Manufacturers Association, American Society for Testing and Materials, New York Academy of Sciences, and the Research Society of America. He has produced a considerable number of patents, presentations, papers, and scientific articles.



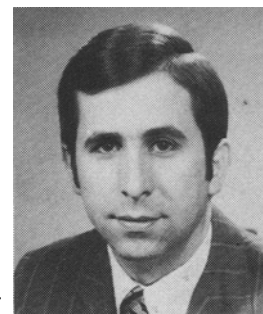
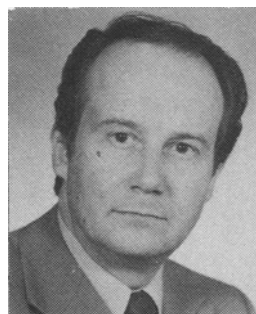
Ted Matson of Continental Oil Company's Research and Development Department, is a group leader in surfactants research. Mr. Matson has degrees from the University of Oklahoma and Ohio State University. His background includes work as a research and development chemist and work in chemical products development.

Reginald Musk is presently with Quality First Soap Services of England as a soap consultant. He has 25 years experience in all aspects of toilet soap manufacture from open pan boiling through to finished product.



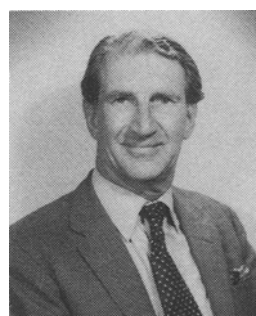
Ron Peters of IRE S.p.A., is manager for the Consumer Affairs and Information Department for the Major Domestic Appliances Division of Philips. An electrical engineer by training, Peters spent 13 years with Rolls-Royce before being named the British Consumers' Association Laboratory Manager. During the past four years he has worked in Italy in his present capacity.

R. von Rütte obtained his doctorate in natural science from the Federal Institute of Technology in Zurich. From 1966 through 1970 he was a member of the research group in the Carothers Laboratory at the Experimental Station of Du Pont Co. in Wilmington, DE. He joined Ciba-Geigy in Basel, during 1970 and is now manager responsible for products sold to the detergent and cosmetic industries. Mr. von Rütte is the author of several publications and patents in the field of synthetic fibers and of chemicals intended for the detergent and cosmetic industries, such as technical antimicrobials, fluorescent whitening agents, and textile softeners.



Dr. Lewis G. Scharpf is manager of the Commercial Development Department for Monsanto Chemicals Co. He has held a variety of research and development positions with Monsanto during the past dozen years. Dr. Scharpf is chairman of the chemical and environmental research committee of The Soap and Detergent Association (U.S.A.), and a member of the Bio-Medical Research Committee for the SDA. He holds degrees from Southeast Missouri State College and Iowa State University.

P.M.G. Shiel has been manager of government and public relations for Procter & Gamble Ltd., in England, since 1966. He first joined the firm in 1949 as a recent graduate of Oxford University. His initial assignments were in brand management, eventually becoming responsible for marketing a group of retail brands. From 1964 to 1966, Mr. Shiel was manager of the firm's Scandinavian Export Division. He represents P&G on the United Kingdom Soap and Detergent Industry Association and is a member of the executive committee of AIS as well as serving as chairman of its consumer affairs working party.



Robert Singer is vice-president for The Soap and Detergent Association (U.S.A.). Mr. Singer has been with the SDA since 1965 when he joined the firm as public affairs director. He has been its vice-president since 1971. Mr. Singer holds degrees from New York University and is a member of the American Association for the Advancement of Science, Society of Consumer Affairs Professionals, Public Relations Society of America, Chemical Communications Association, and the American Society of Association Executives.

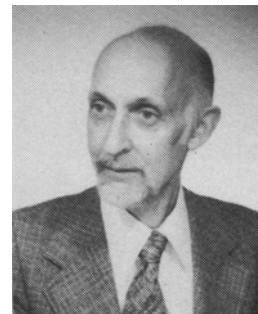
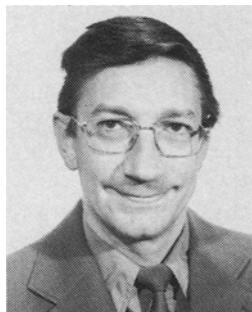
E.L.T.M. Spitzer is a native of Czechoslovakia who received his early schooling there. World War II and its aftermath disrupted his education until 1948 when he left that country to begin studies toward his doctorate in 1949 at Leiden University. He received that degree in 1956 and joined Shell the same year. He presently is head of research on detergents and general chemicals at the Koninklijke/Shell-Laboratorium in Amsterdam.



Dr. George S. Wham is vice-president and technical director of Good Housekeeping Magazine and Institute. He is immediate past president of the American Association of Textile Chemists and Colorists and presently serves on the board of directors of the American National Standards Institute. Dr. Wham is a member of a number of other technical societies, including the American Society for Testing and Materials and the American Association for Textile Technology. He is a member of the Consumer Advisory Council of Underwriters Laboratories and serves as a member of its corporate board. Dr. Wham has participated in several international conferences on standardization. He holds degrees from Clemson University (B.S.); the University of Tennessee (M.S.); and Pennsylvania State University (Ph.D.).

Dr. Werner Stein is director of basic and applied basic research with Henkel & Cie GmbH. He first joined Henkel, Dusseldorf, in the field of fat research in 1945. His academic background includes study of chemistry and graduate work in organic chemistry at the Universitat München and Technische Hochschule München.

Jan T. Törnquist has been with Berol Kemi AB since 1962 and is now deputy laboratory manager. Dr. Törnquist is the author of several scientific papers and patents in surfactants and in related areas. He is a member of the C.E.I.S.O. steering group and chairman of the Scandinavian wing of the C.I.D., the Nordiska Tensidkommissionen.



Jean-Pierre Wolff has been general manager for the Institut des Corps Gras since November 1975. He is a graduate of l'Ecole Supérieure de Physique-Chimie Industrielle de Paris. He has held several responsible posts in the field of public health. In 1959, he became director of l'Ecole Supérieure d'Application des Corps Gras and has held his present post since 1975. From 1968 to 1975, he was director for Wolff Laboratories. ●

