



SESSION C, WEDNESDAY—Against the blackboard are (left to right) R. G. Bistline Jr., D. H. Wheeler, L. A. Goldblatt, presiding, R. O. Feuge, and Huo-Ping Pan.

mon to all types of fatty acid distillations, with the major comments devoted to a comprehensive description of a tall oil still recently placed "on stream." The talk was illustrated with slides showing flow sheets, operating data, etc., as well as Kodachromes of the installation.

Five papers were presented at the concluding session, C. R. G. Bistline, Eastern Utilization Research and Development Division, described the properties of some sulfated, ethoxylated tallow alcohols. The sulfated, tallow alcohol nonionics were more soluble than corresponding tallow, alcohol sulfates, with good metal ion stability and excellent lime soap dispersion. R. O. Feuge, Southern Utilization Research and Development Division, discussed the positional isomers formed during the hydrogenation of cottonseed oil under selective, normal, and nonselective conditions. He reported that changing the conditions of hydrogenation did not have a marked effect on the position of the residual double bonds though there was some influence. A spectrophotometric study of the *cis-trans* equilibrium of the eleostearate isomers was reported by D. H. Wheeler of the General Mills Research Laboratories. He found the equilibrium composition to be 66% beta eleostearate, 30% alpha eleostearate, and 3.2% punicate, with other isomers probably absent. He suggested the *cis-9-trans-11-cis-13*-trienoic structure for punicic acid instead of the *cis,cis,trans*-structure previously proposed. Huo-Ping Pan, Massachusetts Institute of Technology, reported on *trans* isomerization of oleic acid

and potassium oleate irradiated with cathode rays. *Trans*-isomerization was found to occur in samples irradiated at a high dose at a high level. The last paper, "The Effect of X-Radiation on the Unsaturated Fatty Acids of Liver Phosphatides and Erythrocytes" by Anthony Lamanna and Olive E. McElroy, Walter Reed Army Institute of Research, was given by Joseph McLaughlin Jr. in the absence of the authors. He reported that following radiation there was a slight decrease in the phosphatide content of liver and erythrocytes and an increase in whole blood. There was no significant change in the polyunsaturated fatty acids in liver phosphatides, but erythrocytes from irradiated rats showed a decrease in dienoic acids and a rise in tetraenoic and hexaenoic acids.

LEO A. GOLDBLATT

Report of the Membership Committee—1956

The following table indicates the growth in membership in the American Oil Chemists' Society during the fiscal year ending December 31, 1956.

	Hon.	Emer.	Active	Ind. Asso.	Corp. Asso.	Total
Membership 1/1/56	4	6	2,191	118	122	2,441
New Members			241	34	12	287
Renewals			5			5
Changes in classification		+4	-4			
			+2	-2		
Losses						
Resignations			69	7	4	80
Deaths			8			8
Nonpayment			82	11	5	98
Lack of address			1			1
Membership 12/31/56	4	10	2,275	132	125	2,546

Membership passed the 2,500 mark during the year. A fair number of new members came from the synthetic detergent industry.

The disheartening figures here are the losses caused by resignations and drops for nonpayment of dues. Many of these are due to members changing positions and feeling it is no longer an advantage to maintain membership.

Between January 1 and April 1 of this year 111 new members were added and 124 dropped for nonpayment of dues, leaving a net membership of 2,533 as of April 1. With reinstatements and applications since April 1, approved and in process, the total now is about 2,580.

Each year we have substantial losses by resignations and drops for nonpayment of dues. If these could be reduced, our growth would be much more substantial. Perhaps the rendition of better service to members by the Society would reduce losses of membership. We must carry out programs that result in demonstrable benefits to our industries, sciences, and members. The basic idea should be one of "what we do" rather than "what we are."

A growing membership indicates a thriving and progressing organization. There are limits to our growth, but we feel safe in predicting that we are not approaching them and that we will continue to show satisfactory growth.

The Society benefits from every new member. New thoughts and fresh approaches to old problems are helpful. This keeps us from going stale. At the same time each new member is a challenge to us to convince him that he belongs to a worthwhile group.

The committee appreciates the assistance from many members and the local sections. Your chairman thanks members of the committee and Mrs. Hawkins and her staff, who helped far beyond the routine handling of the many details of processing applications. We extend best wishes to our successors for better results.

J. T. R. ANDREWS	F. B. WHITE
R. T. DOUGHTIE JR.	R. W. BATES, <i>ex officio</i>
E. B. KESTER	H. C. BLACK, chairman
J. C. KONEN	

Ladies' Night

MISS MARYE DAHNKE, director, consumer service department, Kraft Foods Company, Chicago, Ill., was the speaker May 22, 1957 at the Builders club, Chicago, when the North Central Section of the American Oil Chemists' Society scheduled their annual Ladies' Night. Her topic was "Keys to Consumer Appeal in Merchandising New Food Items." Program chairman was L. R. Dugan, American Meat Institute Foundation.

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