

• *Local Section News . . .*

**Northeast Section**

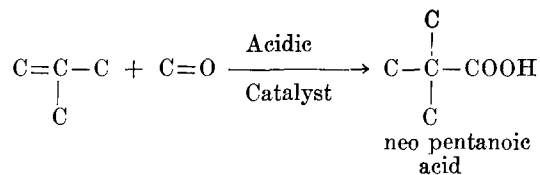
The tenth annual symposium of the Northeast Section of the AOCS took place on April 13, 1971, at the Hotel Robert Treat in Newark, New Jersey. The topic of the symposium was "The Technology of Fatty Acids." The large attendance of members and friends at the meeting and interesting technological subjects contributed to the great success of the meeting.

The following subjects were discussed:

R. W. Johnson, Manager of Product Development, Union Camp Corp., spoke on "Tall Oil Technology—Past, Present and Future," which covered chemical, engineering and marketing areas of tall oil technology. Chemical technology dealt with the composition of raw materials and products, identification of minor components, modification of fatty acids, and chemical reactions of tall oil fatty acids of commercial importance. Since distillation is the heart of upgrading tall oil, that operation was the primary topic under engineering technology. Other unit operations as they apply to tall oil fatty acids were mentioned. Tall oil products are used in many industries and the changes in end use pattern over the years were covered under marketing technology.

A. E. Rohl, Technical Supervisor of Hercules Inc., presented a paper on "Pamolyn—A New Generation of Fatty Acids From Tall Oil." Mr. Rohl discussed important properties of Pamolyn fatty acids derived from tall oil fatty acids. He mentioned high purity oleic, linoleic and synthetic conjugated fatty acids. Application in alkyds, properties and economic considerations were compared with competitive materials.

M. Fefer, Chemical Intermediates Department, Enjay Chemical Co., spoke on "Neo-Acids—Synthetic Fatty Acids." Two commercial neo acids (synthetic trialkylacetic acids), C<sub>5</sub> and C<sub>10</sub> are manufactured via a Koch process using an olefin, carbon monoxide and acidic catalyst. These acids are fully substituted at the alpha carbon.



Although sterically hindered, esterification with primary alcohols and polyols can be accomplished in acceptable cycle times by varying the catalyst and reaction conditions. Metal salts, such as Pb, Co, Cd and Zn for paint driers and vinyl stabilizers were discussed. The use of C<sub>5</sub> neo acid in the preparation of a polymerization initiator, tertiary-butyl peroxy-pivalate (neo pentanoate) was covered. Also included were the general physical and chemical properties of neo acids and their derivatives.

The luncheon speaker, Ben Slocum, Director of Personnel at the Drew Chemical Company reviewed labor contracts and negotiations procedures in the fatty acid oil and chemical industry in terms of up-to-date federal legislature which is imposing ever-growing demands on the industry.

Richard Reck, Manager of Armour Industrial Chemical Co., spoke on "Fatty Nitrogen Derivatives." He discussed the raw materials, tallow and coco oil, which are used in the manufacture of nitrogen derivatives, and the chemistry and applications of amides, nitrile-amines, ethoxylated amides, amines and diamines and amino-ethers.

The last speaker of the symposium was Peter Kalustian, P. E. Consultant, who spoke on "Processing Fatty Acids and Organic Derivatives," with the help of a panel composed of: Eric Burkholder, Wilson-Martin Division; Daniel Meshnick, Drew Chemical Corp.; George Raupp, Drew Chemical Corp.; Donald Fritz, Woburn Chemical Corp.; and Bernard Kipperman, Norda Essential Oil and Chemical Company. They discussed the hydrogenation, splitting of fatty acids, alcoholysis, esterification, ethoxylation, hydrogenation and dehydration of castor oil. The essential oils production equipment and chemistry was described by Bernard Kipperman.



Speakers at the Symposium, left to right: R. W. Johnson, A. E. Rohl, Richard Reck, Ben Slocum, and M. Fefer.



Left to right: Manny Eijadi, Drew Chemical Co.; August Rosetto, Salomon Brothers; and Stan Dominik, Baker Castor Oil Co.



Some members of the panel on Processing of Fatty Acids: left to right: George Raupp, Bernard Kipperman, Peter Kalustian and Don Fritz.



Left to right: Frank Naughton, Baker Castor Oil Co., Chairman of the Symposium; Joyce Kern, Fatty Acids Producers Council, Co-chairman; and Stan Dominik, Baker Castor Oil Co., Publicity Chairman.



Left to right: D. Thomas, Westvaco; Roy Mayhew, Mona; Sy Friedman, Witco; and A. E. Rohl, Hercules.



Left to right: Murray Cooperman, Baker Castor Oil Co.; Richard Reck, Armour Industrial Chemical Co.; M. Yablonsky, Nopco; and J. Miskel, Nopco.