

Oil Chemists' Fall Meeting

Third Mid-Year Gathering at New York Brings Out Enthusiastic Attendance of Oil and Soap Technologists

By W. A. PETERSON

THE THIRD Fall Meeting of the American Oil Chemists' Society was held at the Hotel McAlpin, New York City, on November 14th and 15th. Many of the members of the Society, from all parts of the country, were in attendance, and the papers presented contained several valuable contributions to the chemistry and technology of oils and soaps. The complete minutes of the meeting follow:

Thursday, Nov. 14th: Meeting called to order at 10 A. M. by H. P. Trevithick, Chairman of the Local Committee. After his introductory remarks, Mr. Trevithick turned the meeting over to A. K. Church, 4th Vice-President and Chairman of the Soap Section, who thereafter presided. The following committee reports were read and accepted:

Fat Analysis CommitteeW. H. Irwin
Olive Oil CommitteeL. M. Roeg
Referee BoardW. H. Irwin
Moisture CommitteeW. H. Irwin
Planning and Uniform Methods
CommitteeJ. J. Vollertsen

A report of the work of the Soap Section was read by the secretary, W. A. Peterson. Dr. David Wesson addressed the meeting on "The Historical Aspects of Vegetable Oil Refining", citing some very interesting and amusing incidents in the early days of the art. A paper on "The Composition of Porpoise Jaw Oil" was presented by Dr. A. H. Gill. A paper on "The Use of the Bomer Test in Differentiating Lard and Lard Compounds" by H. P. Trevithick and M. F. Lauro was turned over to the society for publication and its reading omitted on account of a very full program. E. V. Romaine presented a paper on "The Development of the Wood Rosin Industry". A paper on "Precision Color Measurements with a New Photoelectric Instrument" was presented by H. A. Ellsworth. The use of this instrument was illustrated by lantern slides showing characteristic color curves for various oils.

Mr. Church announced a meeting of the Detergents Committee for 3 P. M. after which the meeting adjourned. A luncheon followed

at which Dr. Wesson presided as toastmaster. A telegram from President Stryker expressing regret at his inability to attend was received and read at this time.

Friday, Nov. 15th: Meeting called to order at 10 A. M., Mr. Church presiding. A paper on "Surface Films of Fats and Fatty Acids" was presented by Dr. A. W. Thomas. Dr. A. H. Holmes read the next paper on "Cod Liver Oil and the Vitamin Theory". "Expanding the Market for Soap and Glycerine" was the title of an address by R. C. Edlund, describing the educational work being carried on by the Association of American Soap and Glycerine Producers. A program of research to discover new commercial uses for glycerine was described.

A pleasant surprise was injected into the meeting when someone discovered the presence of Billy B. Van, of stage fame, and the maker of Pine Tree Soap. Billy was prevailed upon to address the meeting and did so to the evident delight of all present, judging by the uproarious merriment which he induced. The humorous incidents called to mind connected with Billy's entrance into the soap business constituted a high spot in the day's program.

A paper on "Systematic Organic Analysis" was presented by W. F. Whitmore. M. F. Lauro read a paper on "Presentation of Evidence in Oil Litigation."

"The Use of the Ultra-violet Ray in Detecting the Presence of Refined Oil in Virgin Olive Oils" was explained in a paper by Sidney Musher, with a demonstration on actual samples under the ultra-violet light. It was suggested that the society recognize this test by incorporation into its methods.

Mr. Trevithick announced a visit to the laboratories of the Appraisers' Stores for 2 P. M. Mr. Church called for a meeting of the Soap Section Committee immediately following the morning session.

Prior to adjournment the following resolution was unanimously adopted: "Whereas, the Hotel McAlpin has very generously provided the Colonial Room for our use as a meeting place and whereas, the hotel's management,

particularly Mr. J. P. Hoenig, business promotion manager, has been most courteous and helpful in furthering the success of our 3rd Annual Fall Meeting, now, therefore, it is unanimously resolved by The American Oil Chemists' Society that a vote of thanks be extended to the Management of the Hotel McAlpin, and that copies of this resolution be forwarded to the Management and to Mr. Hoenig". The meeting was then adjourned.

Apparatus and Chemical Exhibits

IN CONNECTION with the meeting there was a most interesting display of apparatus and bleaching materials by the following firms:

Fred S. Carver Co.—Showed the Carver hydraulic laboratory press, together with equipment for pressing of oils and liquids. Exhibit in charge of Fred S. Carver and H. H. Fronn.

Industrial Chemical Sales Co.—Showed Nuchar W, Nuchar 2, Nuchar 00, I. C. Bleach, M. G. Bleach and Diafilt. Samples of oils and glycerin were exhibited before and after treatment with these products. Exhibit in charge of E. L. Luaces, D. A. Kemper and John P. Harris.

Darco Sales Corp.—Showed Darco decolorizing carbon. Exhibit in charge of L. M. Gill.

Turbo-Mixer Corp.—Showed a model of their mixer which may be had in sizes from 2 to 100,000 gals. capacity. Exhibit in charge of W. C. Pinkerton.

L. A. Salomon & Bro.—Showed their Norit decolorizing carbon, English fullers earth, German bleaching clays and infusorial earth. Exhibit in charge of A. A. Kramer.

Laboratory Construction Co.—Advertised their Kjeldahl nitrogen apparatus, electric heaters and laboratory equipment tables.

Eimer & Amend—Showed samples of vegetable oils and the corresponding color charts as obtained by their new spectrophotometer. Photos of the machine were also on view. The machine is sold by Eimer & Amend under license from American Photoelectric Corp. Exhibit in charge of John C. Vosoff.

Christian Becker, Inc.—Showed their analytical and laboratory balances, including the Chainomatics, for surface tension and specific gravity determination, as well as a notch beam balance for analytical work. Also showed a balance with dash-pot to reduce oscillations. Exhibit in charge of J. W. Wetz.

Bausch & Lomb Optical Co.—Showed their new spectrophotometer as used for oils, also their Duboscq colorimeter, microscopes and a photomicrographic camera. Exhibit in charge of J. A. Scheick and F. J. Lanz.

Emil Greiner Co.—Showed their official vegetable oil colorimeter, a constant temperature bath for determining viscosities, stop watch supports, a special Lovibond colorimeter, electric relays and motor stirrers. Exhibit in charge of J. P. Bader.

Olive Oil Committee Report

DURING the last two years we have had before us the problem of differentiating between virgin olive oil, refined olive oil, and mixtures thereof. This report is more a program for the next six months than a report of the work by the Committee during the last five months. Three members of the Committee have recently worked on this problem. Sidney Musher has been using ultra violet light for distinguishing virgin olive oil from refined olive oil. He will give a demonstration before the Society showing the value of this method. For quick dependable routine work this method seems to be the best.

In last May's report we mentioned that W. H. Dickhart developed a method for virgin and refined olive oil, using an alcoholic solution of sulfuric acid and alcoholic solution of furfural. The red color produced is removed by treating with N/10 sodium thiosulfate. The complete method for obtaining this proposed Dickhart thiosulfate number for olive oils is now given in the *Oil & Fat Industries* for November. It is planned by our Committee to repeat this recently published method, and a report will be given at our next meeting.

M. F. Lauro identified sodium in the minute quantity of soap dissolved in refined olive oil by means of microscopic examination of the double salt of uranyl acetate, and sodium-bismuth, the double sulfate of sodium and bismuth. Although this method is too tedious for routine analysis, it will be useful for our Committee as a corroborating test for the thiosulfate number and the quick routine ultra violet light method.

LOUIS M. ROEG, *Chairman*
Olive Oil Committee
American Oil Chemists' Society