

Notes of the Industry

Report Fat and Oil Research

At the 81st meeting of the American Chemical Society, held at Indianapolis March 30 to April 3, papers were read before the Division of Agricultural and Food Chemistry treating upon the following subjects of interest to chemists and technologists dealing with fats and oils:

Effect of Certain Feeds for Dairy Cows upon some of the Physical and Chemical Characteristics of Milk Fat, by O. R. Overman and O. F. Garrett; The Van Slyke Method for Protein Analysis as Affected by Fat, by S. M. Hauge; A New Method of Determining Aldehydes as a Measure of Oxidation in Fats and Oils, by H. Schibsted; Residual Current Measurements as a Control for Metal Solution in Milk, by H. T. Gebhart and H. H. Sommer; The Soy Bean as Human Food, by A. A. Horvath; The Nutritive Value of Soy Beans. The Effect of Heating, by C. L. Shrewsbury; The pH of Butter as Related to Titratable Acidity, by B. H. Nissen; The Boiling Points, Specific Gravities, and Refractive Indices of Ethylene-Dichloride-Carbon Tetrachloride Mixtures, by O. A. Nelson and H. D. Young.

El Dorado Oil Works, of San Francisco, announce plans for a new copra crushing plant to be located on deep water in the harbor. The new location was selected with a view to the reduction of production costs through more economical handling of raw materials.

A recent ruling of the Federal Court of Customs Appeals declares that a mixture of fatty acids, constituting a product something like stearic acid, is dutiable at 25%, as an acid not especially provided for, instead of as stearic acid, which was the contention of the importers, because of the product's similarity to that acid.

Philip O. Schlessner, first vice president of Roessler & Hasslacher Chemical Co., and an active figure in the chemical industry during the past twenty-five years, died of bronchial pneumonia on March 21, at his home in Stamford, Connecticut, in his fifty-fourth year.

Develop New Drum Inspector

Kollmorgen Optical Co., 761 Wythe Ave., Brooklyn, manufacturers of lenses and other optical instruments, have developed a device



for use in examining the interiors of hung type drums and barrels. It is being marketed as the "Tankoscope." The drum inspector weighs 2 1/2 pounds, can be inserted through a 1 1/4 inch hole to a depth of 30 inches and is equipped with a gas filled lamp

which enables the user to examine thoroughly the interior of the container. The lamp is protected by a heavy guard which may be removed for cleaning or for renewing the lamp. The "Tankoscope" is built on the principle of a periscope, which the company has been manufacturing for submarines for several years. It is finished in corrosion-resisting chromium plate. The illustration shows the "Tankoscope" in actual use.

The Trade Practice Committee of the Mayonnaise Manufacturers Association announces through the Executive Manager of the association that the committee will meet with manufacturers of mayonnaise, whether members of the association or others, anywhere in the United States, for discussion of adjustment of harmful trade practices and means of their amelioration.

The United States Tariff Commission announces an investigation and impending public hearing upon the production costs and other conditions affecting inedible gelatin and glue. The date of the public hearing will be fixed in the near future.

Procter Buys Portsmouth C. O.

R. R. Deupree, president of the Procter & Gamble Co., has announced that plans have been completed for the acquisition by the Procter & Gamble Co. of the business and properties of the Portsmouth Cotton Oil Refining Corp., manufacturers of vegetable shortening and salad oils.

The Portsmouth Cotton Oil Refining Corp. has a modern refinery and manufacturing plant, occupying a 120 acre site at Portsmouth, Va., with executive and sales offices in New York. The purchase price and terms were not disclosed.

The business of the Portsmouth Cotton Oil Refining Corp. has heretofore been largely confined to the hotel, restaurant and institution fields in Eastern and Western seaboard cities. While officials of the Procter & Gamble Co. declined to make a definite statement regarding changes that might be made in the new concern, it is believed that arrangements will be made to enlarge the Portsmouth plant to take care of the manufacture of Procter & Gamble products in addition to those already being manufactured there.

Cottonseed Crushers to Meet

Plans have been completed for the Annual Convention of the National Cottonseed Products Association, to be held at the Roosevelt Hotel, New Orleans, on May 18, 19 and 20, with the Rules Committee meeting at the same place on May 15 and 16.

A record-breaking attendance is expected this year, as there will be spirited discussion of the results of the association's recently completed economic survey of the industry. The usual entertainment features will be provided, including the big golf tournament, with prizes enough for all.

A report from Commercial Attache Dye, of the Department of Commerce, stationed at Buenos Aires, states that exports of linseed from Argentina during January of this year were 222,000 tons, or about 4,000 tons less than in January, 1930.

A permit has been granted for the operation of a whaling station in Ceylon for the reduction of whales taken from the waters of the Indian Ocean. Under the terms of the permit, the operators are granted the use of the necessary Crown land under lease. The plant will be operated as one of the auxiliaries of a Norwegian whaling company.

Lever Officials Visit U. S.

With the recent arrival of several officials representing Lever Brothers, Ltd. and Unilever, Ltd., international soap and vegetable oil producers, many members of those trades in this country have been looking forward to a resumption of discussions between the Lever concerns and certain American companies looking toward a possible closer association of large interests in the soap and oil fields. Financial circles in New York, however, indicate the generally held opinion that the visit of the Lever officials presages considerable expansion of Lever Brothers Co., the American subsidiary of Lever Brothers, Ltd.

Chemical Show Tickets Available

Tickets for the Thirteenth Exposition of Chemical Industries, scheduled for Grand Central Palace, New York, the week of May 4th, may be secured at no cost from the MacNair-Dorland Co., publishers of *Oil & Fat Industries*. Your request should be sent on your company letterhead as early as possible as our supply is limited. Subscribers and advertisers will receive preference in the preliminary distribution. Announcements of exhibits indicate there will be much of interest to manufacturers and refiners of oils, fats and soaps, particularly in new machinery developments. The annual Chemical Industries Dinner, held under the auspices of the Salesmen's Association of the American Chemical Industry, which has already been set for May 7, will be an added feature of the week which many will be interested in attending.

Norwegian Whaling Notes

A record catch for 13 days has been reported by "Kosmos," a total of 27,000 barrels or an average of about 2,000 barrels a day, the highest known in whaling history. Restriction of whaling activities next season still continues to be a much discussed question. Some firms have already announced curtailment.

The market situation in whale oil is rather dull with some oil for this season still unsold. In late February, 1,395,000 barrels had been sold at an approximate value of \$27,531,900. Various rumors that Russia might purchase 250,000 to 300,000 barrels have not been confirmed, but it will prove a great stimulus to the outlook for next season.

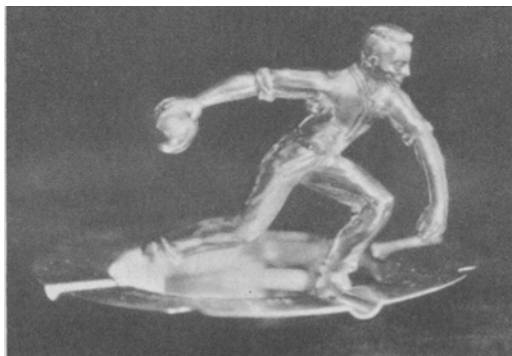
Production of whale oil by Norwegian companies up to February 22 was 1,925,050 barrels as compared with 1,324,050 barrels produced up to the same date of last season.

Chemists' Bowling Trophies

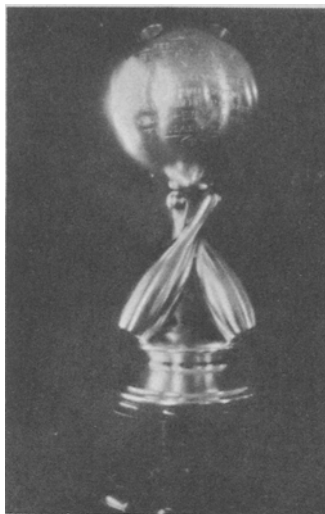
For the benefit of those members of the American Oil Chemists' Society who were unable to attend the Fourth Annual Fall Meeting in Chicago last November, we are able to illustrate herewith three of the several trophies which were awarded as prizes in the bowling tournament held as one of the entertainment features of that meeting. The Nuchar Trophy was won by the American Maize Products Co. team, the American Oil Chemists' Championship Trophy, donated by A. Daigger & Company, by the Swift and Co. Laboratory Premium team, and the high individual three game trophy by Larsen, of Corn Products Refining Co.



Nuchar Trophy, won by American Maize Products Company AMAIZOS.



Individual three game Trophy, won by Larsen, of Corn Products Refining Company.



American Oil Chemists' Championship Trophy, won by Swift Premium Team.

New Books

Margarine as a Butter Substitute. BY KATHARINE SNODGRASS. Food Research Institute, Fats and Oils Studies No. 4. 333 pages. Stanford University Press, 1930. \$3.00.

In this fitting addition to the series of Studies of fats and oils of the Food Research Institute, Miss Snodgrass has contributed a most valuable treatise. In twenty-three chapters, introduction and appendix, the author has given a complete survey of the history and uses of margarine, with particular reference to the United States. The relationship of margarine manufacture and sale to the production and consumption of butter is discussed in all its aspects. The history of what amounts to persecution of the margarine industry by the dairy interests is set forth as an impartial relation of events and facts, without partisan comment. A complete review of the progress of Federal and State legislation, and an analysis of existing laws, followed by a discussion of technological developments and dietary considerations, also by a thorough economic analysis, makes this volume of undeniable value to everyone interested in margarine from any viewpoint whatever. The book is profusely illustrated with maps, charts and tables.

A. P. L.

Supplies of sesame seed are becoming more difficult to obtain at Shanghai. Prices remain high and demand from the United States is strong.

Soy bean mills in Manchuria have been much more active lately, due to an increased demand for both oil and cake from dealers and from consumers.

Margarine Materials Consumed 1925 to 1929

The consumption of materials used in the manufacture of oleomargarine in the United States for the years ended June 30, 1925 to 1929, inclusive, was as follows, according to the Department of Commerce:—

MATERIALS	POUNDS				
	1925	1926	1927	1928	1929
Oleo oil	44,102,320	47,418,248	48,740,991	45,477,089	47,184,875
Coconut oil	79,449,432	98,307,304	107,653,883	140,599,821	171,411,508
Cottonseed oil	20,965,709	25,608,341	23,372,354	24,801,238	28,173,202
Peanut oil	4,391,937	5,257,202	4,872,449	5,458,833	6,616,645
Oleo stearin	5,249,676	5,313,502	5,144,542	5,531,693	6,833,765
Neutral lard	25,673,625	25,172,425	24,871,645	25,036,262	24,189,408
Oleo stock	3,182,657	3,082,251	2,551,626	1,737,745	1,294,374
Butter	1,509,063	2,330,320	2,070,045	2,483,917	2,611,234
Milk	61,923,973	72,662,310	73,699,961	83,114,578	94,752,050
Mustard seed oil	27,181	33,645	52,603	55,947	12,000
Palm kernel oil	*346,904	*1,128,550	*639,488	*1,084,341	1,363,435
Edible tallow	110,875	93,038	218,510	69,490	25,707
Sesame oil	268,381	185,720	129,888	39,938	.....
Corn oil	196,332	173,733	182,798	37,850	.....
Soybean oil .....	.....	790	32,620	150	.....
Salt	18,724,864	20,592,622	21,682,525	25,024,341	27,311,180
Soda	57,994	58,657	81,893	95,806	110,715
Extract of vanilla	334	315	255	237	60
Coloring	38,155	40,763	18,043	19,464	46,519
Miscellaneous	14,367	.....	68,756	.....	.....
Totals	266,233,779	307,459,772	316,034,875	351,068,790	410,936,577

*Stated as palm oil in 1925.

Statement of the ownership, management, circulation, etc., required by the Act of Congress of August 24, 1912, of Oil & Fat Industries, published monthly at New York, N. Y., for April 1, 1931.
State of New York, County of New York.

Before me, a Notary Public in and for the State and county aforesaid, personally appeared Alan Porter Lee, who, having been duly sworn according to law, deposes and says that he is the Editor of the Oil & Fat Industries and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 411, Postal Laws and Regulations, printed on the reverse of this form, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are: Publishers, MacNair-Dorland Company, Inc., 136 Liberty St., N. Y. C.; Editor, Alan Porter Lee, 136 Liberty St., N. Y. C.; Managing Editor, None; Business Manager, Grant A. Dorland, 136 Liberty St., N. Y. C.

2. That the owner is: (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding one per cent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a firm, company, or other unincorporated concern, its name and address, as well as those of each individual member, must be given.)

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3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.) None.

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

5. That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the six months preceding the date shown above is (This information is required from daily publications only.)

[Signed] Alan Porter Lee.

Sworn to and subscribed before me this 19th day of March, 1931.

Al. J. Ruggiero, Notary Public, Kings Co., No. 509, Reg. No. 1162; Cert. filed in N. Y. Co., No. 309, Reg. No. 1R242; Commission expires March 30th, 1931.