

Oil Chemists' Fourth Annual Fall Meeting

*Midyear Session at Chicago Surpasses All Records
for Attendance and Scientific Interest*

THE Fourth Annual Fall Meeting of the American Oil Chemists' Society was held at the Congress Hotel, Chicago, Illinois, November 13th and 14th, 1930.

The meeting was attended by oil chemists representing oil producers and refiners and soap manufacturers from all parts of the United States and Canada, all those attending expressing satisfaction with the convenience of the Midwest metropolis as a central meeting place and more particularly with the splendid program of most interesting papers which was prepared by President W. H. Irwin with the cooperation of the local committee on arrangements, and of Vice-President Archibald Campbell, Chairman of the Soap Section.

The first day's Meeting was under the auspices of the Soap Chemists' Section, Chairman Campbell presiding and most of the papers presented on that day had particular bearing on those phases of oil and fat chemistry which refer particularly to the problems of the soap manufacturer and the soap chemist. The reports of the three committees of the Soap Section, the Detergents Committee, Glycerin Analysis Committee and Soap Analysis Committee were also presented during the first day's session.

Among the papers read at the first day's meeting were the following: "The Determination of Water in Glycerols," by L. F. Hoyt; "Lecithin—Its Effect Upon the Hydrolysis of Fats," by R. B. Trusler; "The Determination of Total Fatty Acids in Soap, Using a Modified Stokes Flask" by A. K. Church; "Some Impressions of European Soap Industry" by Archibald Campbell; "Technique of Bleaching Oils and Fats in the Laboratory" by J. T. R. Andrews and "Soybean and Linseed Oil," by Otto Eisenschmil.

At the conclusion of Thursday's session of the meeting, all members and guests present

attended an informal luncheon held in a private dining room of the Congress Hotel. President Irwin introduced as the Guest Speaker Bruce K. Brown of the Standard Oil Company of Indiana, a well-known chemical engineer and patent attorney. Mr. Brown chose as the subject of his talk, "The Avoidance of the Obvious" and by means of well-chosen examples counseled his hearers to refrain from overlooking obvious solutions to their problems in chemistry and engineering through excess of zeal for thoroughness which often defeats itself by "avoidance of the obvious." Mr. Brown's friendly, informal address was much enjoyed by all his audience.

Thursday afternoon was devoted to visits to manufacturing plants, museums and other points of interest in the Chicago district. Among the industrial establishments which welcomed the visitors were included the meat packing plants at the Chicago stockyards, the Corn Products Refining Co., the Illinois Steel Co., the oil refineries at Whiting, Indiana and others. The museums visited included the Field Museum of Natural History and the Chicago Planetarium. For Thursday evening the local committee arranged a bowling tournament, which was held at the Stevens Hotel, and which aroused considerable interest among those present. A more detailed report of the tournament is given elsewhere in this issue.

Second Day's Session

PRESIDENT IRWIN presided at the second day's meeting on Friday, November 14th and the scientific and technical papers presented related particularly to edible oils and their products, shortening, salad oils, and margarine. Several treatises had reference to the important problem of keeping qualities of edible fat products and their resistance to rancidity and to oxidation. The following papers were included in the program: "Recent Technical Developments in the Margarine Industry,"

by B. R. Harris; "Function of Shortening in Baking", by H. S. Mitchell; "Corn Oil—Its Preparation and Usefulness", by G. A. Moore; "Certain Basic Considerations in the Solvent Extraction of Vegetable Oils", by C. F. Eddy; "The Measurement of Consistency in Hydrogenated Shortening", by A. D. Barbour; "Anti-oxidants", by F. C. Vibrans; "A Review of the Methods of Testing Rancidity and Stability in Shortening", by W. O. Pool; "New Method of Determining the Keeping Quality of Shortening by Measuring the Volatile Oxidation Products", by D. P. Grettie.

At the conclusion of the session all those present congratulated President Irwin, Vice-president Campbell and the Committee on Arrangements on the exceptional success of the meeting. There were over one hundred and twenty-five persons attending the meeting. Those registered included:

J. T. R. Andrews, Ivorydale, O.; A. D. Barbour, Toronto, O.; E. J. Bennett, S. Bend and San Antonio; R. E. Blake, Chicago; J. S. Boros, Chicago; John S. Boulder, Cincinnati; L. C. Brown, Chicago; S. H. Carroll, Chicago; Archibald Campbell, Cincinnati; Henry J. Cary-Curr, Chicago; R. M. Chapman, Hammond, Ind.; Carl W. Christensen, Chicago; V. Conquest, Chicago; H. E. Corman, Toronto; R. W. Cornell, Red Wing, Minn.; C. C. Dennis, Chicago; Frank J. Delany, Chicago; H. C. Dormitzer, Chicago; M. M. Durkee, Decatur, Ill.; E. W. Eekey, Cincinnati; Otto Eisenschiml, Chicago; Clarence Estes, St. Louis; Clarence F. Eddy, Norfolk, Va.; Clemence Foerster, Chicago; W. E. Guiney, Cambridge, Mass.; A. Guillaudeu, Chicago; B. H. Gilmore, Joliet, Ill.; Truman M. Godfrey, Cambridge, Mass.; M. B. Graff, Ivorydale, O.; G. G. Grant, Chicago; Arne Gudheim, Portsmouth, Va.; D. P. Grettie, Chicago; John P. Harris, Chicago; M. L. Hartley, Chicago; R. C. Hatter, Louisville, Ky.; G. W. Holbrook, Chicago; L. F. Hoyt, Buffalo, N. Y.; Benj. R. Harris, Chicago; W. H. Irwin, Chicago; G. V. Hallman, Chicago; F. E. Joyce, Omaha, Nebr.; R. E. Kistler, Chicago; H. R. Kraybill, Lafayette, Ind.; Alan Porter Lee, New York; C. E. Lennox, Joliet, Ill.; Raymond P. Lutz, Chicago; Ira P. MacNair, New York; Duncan McIntosh, Zion, Ill.; H. S. Mitchell, Chicago; G. A. Moore, Argo, Ill.; A. Ernest MacGee, El Dorado, Kans.; P. E. Minton, Chicago; John P. Moser, Cambridge, Mass.; C. Robert Moulton, Chicago; James M. O'Hara, Chicago; T. H. Petersen, Chicago; G. H. Pickard, Chicago; W. O. Pool, Chicago; A. W. Putland, Chicago; R. W. Perry, Toronto, Canada; N. A. Ruston, Cincinnati, O.; W. J. Reese, Kansas City, Kans.; Albert D. Rich, Chicago; A. S. Richardson, Cincinnati; Louis M. Roeg, Rahway, N. J.; A. A. Robinson, Chicago; A. E. Schaar, Chicago; V. Serbell, Portsmouth, Va.; M. L. Sheely, Chicago; Herbert Sieck, Chicago; Evan A. Sigworth, Tyrom, Pa.; Otto A. Sjoström, Chicago; T. E. Skeppstrom, Portsmouth, Va.; Paul L. Stern, Clinton, Ia.; W. L. Taylor, Chicago; L. M. Tolman, Chicago; H. P. Trevithick, New York;

R. B. Trusler, Dayton, O.; Frank C. Vibrans, Chicago; J. J. Vollertsen, Chicago; W. T. Watkins, Chicago; D. L. Weatherhead, Chicago; Glenn D. Wiles, Chicago.

Apparatus and Chemical Exhibits

THE local committee on arrangements provided an interesting array of exhibits of laboratory apparatus and chemicals, the exhibitors including the following:

E. H. Sheldon & Co. Muskegon, Michigan, displaying examples of the Sheldon line of laboratory furniture.

Skelly Oil Co., El Dorado, Kansas, exhibiting special solvents produced from petroleum for laboratory and plant extraction purposes.

Laboratory Construction Co., Kansas City, Missouri, showing a complete line of Kjeldahl digestion and distillation battery equipment and other laboratory specialties.

Rascher & Betzold, Chicago, Illinois, presenting a general line of laboratory apparatus and glassware.

E. H. Sargent & Co., Chicago, Illinois, displayed items from their own complete line of apparatus and chemicals, giving particular prominence to the American Oil Chemists' Society official moisture oven and to an improved battery of electrically heated extraction apparatus.

Central Scientific Co., Chicago, Illinois, showed their newly designed special electric heaters and ovens, together with other *Cenco* specially designed laboratory apparatus.

Merck & Co., Rahway, New Jersey, displayed an attractive assortment of C. P. and analyzed chemicals for laboratory use.

A. Daigger & Co., Chicago, Illinois, exhibited a complete line of laboratory apparatus and glassware. Of particular interest to the visitors was the Daigger laboratory hydrogenation apparatus, an ingeniously designed small converter suitable for experimental hydrogenation or deodorization.

Bowling Tournament

THE Oil Chemists' Bowling Tournament, held in the Recreation Parlors of the Hotel Stevens, under the skilful management of John P. Harris, was most successful and was thoroughly enjoyed by all of the members and guests who attended.

The following teams participated in the bowling contest: Procter & Gamble Ivories, Swift Harold Teens, Swift Premiums, Swift Silver Leaf, Armour Stars, Armour Armoritas, American Maize Amaizos, Industrial Chemical Nuchars, A. Daiggers, Schaars, Wilson Bakerites.

(Turn to Page 471)

IMPORTS OF FOREIGN FATS AND OILS, QUARTER ENDED SEPTEMBER 30, 1930

KIND	Pounds	KIND	Pounds
Animal oils & fats, edible	664,562	Other olive oil, inedible	1,350,587
Whale oil	211,102	Palm oil	84,435,669
Cod oil	3,887,790	Palm-kernel oil	4,837,553
Cod-liver oil	3,684,728	Sesame oil	816
Other fish oils	8,616,285	Vegetable tallow	206,850
Tallow	22,028	Vegetable wax	881,493
Wool grease	775,413	Cornauaba wax	1,094,340
Grease and oils, n.e.s. (value)	\$51,984	Rape (colza) oil	530,785
Stearins and fatty acids	1,096,867	Linseed oil	22,591
Olive oil, edible	22,027,487	Soya-bean oil	1,999,775
Peanut oil	13,062,529	Perilla oil	878,200
Other edible vegetable oils	5,418,436	Other expressed oils	817,036
Tung oils	37,971,980	Glycerin, crude	3,081,447
Coconut oil	51,283,586	Glycerin, refined	936,930
Sulphur oil or olive foots	15,716,741		

EXPORTS OF FOREIGN FATS AND OILS, QUARTER ENDED SEPTEMBER 30, 1930

KIND	Pounds	KIND	Pounds
Animal fats & oils, edible	—	Coconut oil	68,283
Fish oils	202,066	Palm & palm-kernel oil	202,433
Other animal oils & fats, inedible	76,544	Peanut oil	5,273
Olive oil, edible	94,035	Soya-bean oil	121,920
Tung oil	1,569,687	Other expressed oils & fats	98,367
		Vegetable wax	221,953

EXPORTS OF DOMESTIC FATS AND OILS, QUARTER ENDED SEPTEMBER 30, 1930

KIND	Pounds	KIND	Pounds
Oleo oil	16,125,971	Other animal greases & fats	15,823,950
Oleo stock	2,415,689	Cottonseed oil, crude	392,657
Tallow	1,130,439	Cottonseed oil, refined	2,770,911
Lard	138,373,674	Corn oil	205,861
Lard neutral	2,844,084	Vegetable oil lard compounds	1,540,742
Lard compounds, containing animal fats	467,145	Other edible vegetable oils and fats	942,124
Oleo & Lard stearin	1,262,355	Coconut oil	6,320,184
Neat's-foot oil	340,698	Linseed oil	274,560
Other animal oils, inedible	163,882	Soya-bean oil	1,184,317
Fish oils	113,240	Vegetable soap stock	2,887,193
Grease stearin	720,383	Other expressed oils and fats, inedible..	1,011,559
Oleic acid, or red oil	409,223	Glycerin	291,222
Stearic acid	104,255		

Bowling Tournament*(From Page 452)*

One of the bright features of the meeting was the Harold Teen bowling team, probably the best burlesque ever staged on a bowling alley. Harold, Beezie, Poison, Pop Jenks and even the beautiful Lillums were present, their characterization by members of Swift & Co.'s laboratory staff eliciting great applause.

The winners of the Nuchar Trophy Cup in open competition were the American Maize Product Company Amaizos team and the winners of the American Oil Chemists' Society championship cup, donated by A. Daigger & Company, were the Swift Premium team.

There was a very lively competition and the winner was not decided until the last frame had been rolled. The trophy for the high five games went to the Armour Stars and the winners of the Thursday night bowling contest were the Procter & Gamble Ivories. A special prize was given to Harold Teen, impersonated by Mr. H. Hruby of Swift & Company laboratories. The high individual three game prize went to Mr. Freudenberg of Swift & Company and the high individual single game prize went to Mr. Larsen of the Corn Products Refining Company. The special consolation prize went to Mr. Joyce of Haskins Brothers Soap Co., Omaha, Neb.