

Oil Chemists' Fall Meeting at Chicago October 29, 30

HELD the second year in succession at the Congress Hotel, Chicago, on October 29 and 30, the Annual Fall Meeting of the American Oil Chemists' Society, again surpassed all previous records for attendance at the sessions, number and enthusiasm of attendance, volume and standard of scientific and technical papers presented. The meetings were held in the Florentine Room of the hotel, which provided ample space for the attendance, as well as for the numerous exhibits of apparatus, equipment and supplies which were placed on display by manufacturers and supply houses.

The first day's session was presided over by Archibald Campbell, Vice-president and *Chairman* of the Soap Section, and was devoted chiefly to papers and committee reports having particular application to the chemistry and technology of soap, detergents and allied products. The meeting was opened by W. H. Irwin, *Chairman* of the Chicago Committee on Arrangements, who introduced Colonel Gaw, personal representative of Mayor Andrew J. Cermak of Chicago. Colonel Gaw delivered a warm address of welcome to the visiting delegates on behalf of the Mayor and City of Chicago. At the conclusion of Colonel Gaw's talk, President A. R. Richardson took the Chair, for a few words of welcome and appreciation to the visiting members and guests, after which the conduct of the meeting was relinquished to Vice-president Campbell.

The first business of the day consisted of the submission of reports by the chairmen of committees on Detergents, Glycerin Analysis



A. S. Richardson
President
A. O. C. S.



Archibald Campbell
Vice-President
A. O. C. S.

and Soap Analysis. The report of the Glycerin Analysis Committee, submitted by M. L. Sheely on behalf of J. T. R. Andrews, *Chairman*, consisted of a brief progress report only. Complete reports were submitted by J. G. Vail, *Chairman* of the Detergents Committee and M. L. Sheely, *Chairman* of the Soap Analysis Committee.

AFTER reception of the committee reports, the meeting turned with interest to the presentation of the day's scientific and technical papers. The papers presented included the following:

1. "Soap Phases," R. H. Ferguson, Procter & Gamble Co., Ivorydale, Ohio.
2. "Light Colored Saponified Fatty Acids," R. B. Trusler, Davies-Young Soap Company, Dayton, Ohio.
3. "Notes on Power Laundry Practice," C. E. Lennox, Swift & Company, Chicago, Ill.
4. "Studies in the Comparison of Detergents," W. H. Burkhart, Gold Dust Corporation.
5. "The Determination of Water in Soaps," A. K. Church, Lever Brothers Company.
6. "Activated Carbons, Their Production and Uses," J. Wrench, Industrial Chemical Sales, New York City.
7. "A New Method of Rendering," O. H. Wurster, Wurster-Sanger Company, Chicago, Ill.

At the conclusion of the first day's session, an informal luncheon was held in the Pine Room of the Congress Hotel. More than one hundred of those attending the sessions of the meeting were present at the luncheon, which

was devoid of formal speechmaking, being devoted to renewal of acquaintances and informal conversation. This feature of the first day was repeated on the second day of the meeting.

After luncheon on the first day, a large party of members and guests journeyed by motor to Hammond, Indiana, at the invitation of Lever Brothers Company, to inspect that corporation's new \$5,000,000. soap factory in that city. There those in the party had the privilege of viewing what is undoubtedly the most modern soap manufacturing establishment in this country, if not in the entire world. The plant is



W. H. Irwin, Chairman
Chicago Meeting
Committee

housed in several buildings of cream-colored brick, erected facing a beautifully-kept lawn, the entire property being surrounded by a wrought-iron fence, with entrance gateways in harmony with the building design.

THE visitors were conducted by specially appointed guides through the office, warehouses, steam boiler plant, oil refinery, water treatment and filtration plant, soap-kettle room, oil storage warehouse,

soap drying department, flake soap packaging room and the chemical laboratory. Every feature of the plant has been designed with a view to economy and efficiency of operation. One of the most notable features was observed in the design of piping throughout the works in such manner that headroom and accessibility are nowhere impaired. The soap-kettle room in particular presented a most attractive appearance, the walls being finished in architects' tile of a soft buff color, and all overhead space being clear of piping of any sort.

Another particularly interesting feature of the plant is the use of air-conditioning equipment throughout the manufacturing departments, for the preservation of uniform temperatures and relative humidities regardless of weather conditions. The effect of the air-conditioning apparatus was most notable in the soap-boiling department, which, despite the absence of kettle-hoods was peculiarly free of the clouds of steam usually encountered in such locations. At the conclusion of the visit, each member and guest was presented with a souvenir box of soaps and toilet articles, with the compliments of Lever Brothers Company.

The second session of the meeting convened at 10:00 A.M. on Friday, October 30, with President Richardson in the chair. This day of the meeting marked the presentation of papers particularly relevant to the processing of edible oils and fats. The papers offered included the following:

1. "Changes in Edible Oils and Fats due to Atmospheric Oxidation," H. Aspegren, Norfolk Research Corporation, Norfolk, Va. (Read by title only.)

2. "A Process for Refining and Deodorizing Oils," V. Conquest, Armour & Company, Chicago, Ill.

3. "Oils and Fats as Food for Mammals and Micro-organisms," L. B. Jensen, Swift & Company, Chicago, Ill.

4. "Some Observations on Oil Refining in Europe," R. W. Perry, William Davies Co., Chicago, Ill.

5. "Feed Control and Some Recent Developments," H. A. Halvorson, Minnesota State Department of Agriculture, St. Paul, Minn.

6. "The Significance of the Recent Rapid Growth in Whale Oil Production," R. W. Harrison, Bureau of Fisheries, Gloucester, Mass.

7. "The Technology of Whale Oil," A. P. Lee, MacNair-Dorland Co., New York, and H. P. Trevithick, Bureau of Chemistry, New York.

8. "Commercial Aspects of the Uses of Sunflower Seed Oil, Sesame Oil, and Soya Bean Oil," G. G. Fox, Armour & Company, Chicago.

9. "Mayonnaise Oils, Mayonnaise, and the Kreis Test," A. G. Olson, General Foods Corporation, and C. A. Southwick, Jr., General Foods Corporation.

10. Peroxide Formation as a Measure of the Autoxidative Deterioration of Vegetable Oils," D. H. Wheeler, Mayonnaise Manufacturers Association.

AT the Friday morning session, President Richardson introduced Professor E. N. Gathercoal, of the Department of Pharmacy, University of Illinois, President of the recently-organized Inter-Society Color Council.

In the course of well-chosen extemporaneous remarks, Professor Gathercoal described the sequence of events and conditions, (starting in 1922 with the efforts of the U. S. Pharmacopoeia Revision Committee), which have culminated in the organization of the Inter-Society Color Council. Professor Gathercoal also outlined some of the aims and purposes of the Council, and expressed his appreciation

of the participation of the American Oil Chemists' Society in the organization of the new scientific body.

Mr. G. S. Fawcett, Managing Director of Tintometer, Ltd., was introduced by President Richardson, and made a brief talk, in which he assured all present that the firm of Tintometer, Ltd., is anxious to cooperate to the fullest extent with the American Oil Chemists' Society and the Bureau of Standards in the work of standardizing Lovibond color slides and eliminating all of the causes of dissatisfaction with the tintometer glasses and instruments which have arisen in the past. Mr. Fawcett's sincerity impressed the members favorably and a cordial reception was accorded him.

At the conclusion of Friday's session, which had been prolonged after a luncheon intermission, because of the number of papers and addresses presented, the Meeting adjourned, with, at the suggestion of President Richardson, a rising vote of thanks to the Chicago Local Committee, the Ladies' Committee, the exhibitors, the management of the Congress Hotel and all others who had contributed so much of their time and effort to make the Fifth Fall Meeting of the American Oil Chemists' Society the outstanding success which all agreed it to have been.

On Friday afternoon, personally conducted visits to the various manufacturing plants of the Chicago district, particularly the stockyards plants, were open to those who could avail themselves of the opportunity. There was also a meeting of the governing committee of the Society at this time. A visit for members and guests, including ladies, to the Chicago Planetarium on Friday night completed the entertainment program of the meeting.

The entertainment especially provided for ladies included the visit to the Lever Brothers Company plant for all who desired to make the trip, and a bridge luncheon on Friday afternoon, October 30. While the number of ladies attending the convention from points outside of Chicago was small, those who were present reported a visit of much enjoyment.

Exhibits

THE exhibits displayed in the Florentine room, where the sessions of the Meeting were held, attracted much favorable notice from those attending. Included among the exhibitors were:

Central Scientific Co., Chicago; Wilson & Bennett Mfg. Co., Chicago; The Skelly Oil Co., Chicago; American Allied Aetna Carbon Co., Columbus, O.; Fred S. Carver, New York

City; The Emil Greiner Co., New York City; A. Daigger & Co., Chicago; W. M. Welch Co., Chicago; Industrial Chemical Sales Co., Inc., New York; The Laboratory Construction Co., Kansas City; E. H. Sargent & Co., Chicago; Merck & Co., Rahway, N. J.; Precision Scientific Co., Chicago; Purina Mills, St. Louis, Mo.; Kewaunee Mfg. Co., Chicago.

The Central Scientific Company exhibited laboratory apparatus, much of it of their original design, including moisture ovens and Kjeldahl apparatus.

Wilson & Bennett Mfg. Co. displayed steel shipping containers of many varieties.

The Skelly Oil Co. showed samples of special petroleum solvents for fats and oils.

Fred S. Carver exhibited the Carver laboratory hydraulic press, equipped with specially designed apparatus for obtaining sample of pressed oil for laboratory determination of the percentage of free fatty acid in seeds.

The Emil Greiner Co., laboratory apparatus and glassware.

Industrial Chemical Sales Co. displayed products bleached with Nuchar and Suchar, activated carbons.

Merck & Co. exhibited Merck Chemicals, of standard laboratory, chemically pure and analyzed qualities.

Kewaunee Mfg. Co. exhibited furniture for chemical laboratories and fume-hoods.

Purina Mills, manufacturers of soy bean oil, created much interest in their exhibit, which was labeled "Sardines swimming in Purina soy bean oil," and which many visitors suspected of being gold fish swimming in a bowl of artificially colored glass. At any rate, the exhibit was successful in directing attention to Purina Mills as newcomers in the field of soy bean oil production.

Laboratory Construction Co. displayed their exceptionally well-designed line of Kjeldahl apparatus, distillation apparatus and electric heaters.

American Allied Active Carbon Company displayed their activated carbons for decolorizing oils and fats.

Other interesting displays of laboratory apparatus, glassware and chemicals were presented by *E. H. Sargent & Co.*, *Precision Scientific Co.*, *A. Daigger & Co.*, and *W. M. Welch Co.*, all of Chicago.

Bowling Tournament

THE outstanding entertainment feature of the Meeting was the annual bowling tournament, which was held at the Bensinger Alleys,



A. O. C. S. Bowling Challenge Trophy

235 South Wabash Avenue. This tournament brought out more contestants than any previously held by the Society. There were ten 5-man teams, eight 2-man teams and several individual bowlers entered into the competition. Some very fine scores were recorded.

The Nuchar Challenge Trophy Cup was won by the Amaizo team of the American Maize Products Company of Roby, Indiana. This is the second year in succession that the challenge trophy has been won by the Amaizos, giving them a second leg on the cup, which will become their permanent possession if they succeed in winning it just once more, without an intervening win by some other team.

The high single game prize was won by the Swift Vream team, headed by W. H. Irwin, *Chairman* of the Chicago Meeting Arrangements Committee. President Richardson was also member of a prize-winning team, his Procter and Gambles from Ivorydale annexing second team prize. Third team prize went to the Swift Premiums and fourth to the Swift Vreams, both of Chicago.

FIRST 2-man team prize went to Meyers and Boskovitz of American Maize Products Company, second to Uhle and Ruby of Swift and Co., Chicago. M. Dugan of Swift and

Co., Chicago, distinguished himself by annexing the surprise handicap prize as well as the high single game prize. The individual 3 game high-score prize was tied for in a dead heat between C. A. Renhart of Swift & Co., and W. Meyer of American Maize Products Co. It is apparent that some of the members will have to brush up on their home alleys in order to break up this apparent Swift-Amaizo monopoly of prizes. The tournament was ably managed by John P. Harris, of Nuchar fame, assisted by W. H. Irwin and members of the Swift and Company laboratory office staff.

The Chicago Local Committee in charge of the Meeting consisted of W. H. Irwin, *Chairman*, J. P. Harris, J. J. Vollertsen, A. W. Putland, L. M. Tolman, M. L. Sheely, and A. E. King.

IN ADDITION to a considerable number of visitors who attended the sessions of the meeting but did not register, the following is a full list of registrants:

A. W. Putland, E. J. Bennett, F. E. Joyce, R. B. Trusler, E. R. Luckow, R. W. Perry, B. R. Harris, L. M. Tolman, G. Ormsby, G. S. Fawcett, R. H. Ferguson, J. L. Schille, M. E. Grien, J. W. Bodman, E. A. Sigworth, C. B. Cluff, Archibald Campbell, Ira P. McNair, L. M. Gill, M. L. Degavre, A. S. Richardson, P. Goldfisch, M. M. Durkee, A. R. Pye, J. G. Vail, D. M. Gray, H. A. Halvorsen, A. K. Church, L. B. Kilgore, E. N. Gathercoal, F. S. Carver, J. Wrench, L. M. Kishlar, V. Serbell, W. E. Oyler, J. Lappen, P. L. Stern, R. C. Hatter, W. H. Burkhardt, W. J. Reese, A. P. Lee, L. M. Roeg, A. G. Olsen, J. M. Olinger, G. A. Moore, R. V. Lenox, H. J. Cary-Curr, H. Sieck, R. W. Jaeger, Jr., H. C. Cooper, A. A. Robinson, H. C. Dormitzer, A. K. Epstein, O. H. Wurster, V. Conquest, R. W. Schnieder, F. A. Steinko, L. B. Jensen, R. E. Kistler, E. C. Seamon, C. E. Lennox, R. H. Potts, T. H. Petersen, Elmore Davies, W. L. Taylor, J. S. Boros, H. S. Mitchell, M. L. Hartley, A. E. MacGee, R. E. Blake, W. W. Pitam, B. J. Olsen, W. G. Lowry, D. P. Grettie, R. A. Phair, G. D. Wiles, A. Guillaudeu, R. E. Barry, F. E. Dodge, R. P. Lutz, D. L. Weatherhead, C. B. Clark, C. Forester, H. J. Hlovka, N. C. Eiselle, L. E. Young, L. F. Hoyt, B. Morey, R. P. Hereds, R. C. Newton, T. A. Gieralin, F. E. Fischer, C. E. Shoms, R. W. Harrison, Arthur Schroeder, A. D. Ralston, S. V. Schnabel, F. C. Vibrans, G. G. Grant, M. A. Beck, W. P. Hilliker, Ralph Wechsler, Harry M. Wylely, R. E. Wright, E. A. Siegal, Geo. W. Trainor, N. A. Bayer, Frank C. Haas, A. S. Richer, R. J. Short, C. E. Morris, C. W. Christensen, John E. Tarman, F. Micko, J. J. Vollertsen, M. L. Sheely, A. E. King, J. P. Harris, W. H. Irwin. LADIES: Mrs. S. G. Ormsby, Mrs. M. L. Sheely, Mrs. J. J. Vollertsen, Mrs. W. H. Irwin, Mrs. M. M. Durkee, Mrs. B. R. Harris, Mrs. R. W. Perry, Mrs. E. R. Luckow, Mrs. R. B. Trusler, Mrs. F. E. Joyce, Mrs. E. J. Bennett, Mrs. A. W. Putland, Mrs. L. M. Tolman, Sr., Mrs. L. M. Tolman, Jr., Miss Beth Vollertsen, Mrs. J. P. Harris, Mrs. Dexter, Mrs. McCarthy.