

# TWENTY-EIGHTH ANNUAL MEETING

## BAKER HOTEL-DALLAS, TEXAS

THE twenty - eighth annual convention of The American Oil Chemists' Society was held at the Baker Hotel in Dallas, Texas, on May 13 and 14.

The meeting was called to order by N. C. Hamner, Chairman

of the Local Committee. After an invocation, delivered by E. R. Barrow, the meeting was turned over to President Ainslie who then made his report on the year's activities. This report appears elsewhere in this issue.

Reports of the Secretary-Treasurer and of the Governing Board were then read by J. C. P. Helm.

### Program

The following papers and committee reports were presented at the Convention:

### PAPERS

"The Determination of Cellulose Value of Lint for Chemical Industry."

By L. N. Rogers.

"Photochemical Studies of Rancidity: Rate of Peroxide Development Under Constant Intensity of Light."

By M. R. Coe.

"The Estimation of Water in Salad Oil and the Determination of Its Solubility at Ordinary Temperatures."

By L. B. Parsons and C. O. Holmberg.

"Acorn Oil."

By W. D. Hutchins.

"On the Composition of Lumbang Oil."

By G. S. Jamieson and R. S. McKinney.

"Some Notes on the Twitchell Separation."

By J. T. R. Andrews.

"External Lighting for Reading Lovibond Colors."

By Proctor Thomson.

"The Spectrophotometric Grading of Vegetable Oils on the N" Lovibond Scale."

By K. S. Gibson.

"Improving Oil Quality and Refining Results."

By G. W. Owens.

"Press Room Operations as they Affect Quality of Oil."

By M. K. Thornton, Jr.

"Distribution of Phosphorous in Soybean Seed."

By F. R. Earle and R. J. Milner.

"Some Nutritive Developments in Soybean Products."

By Lamar Kishlar.

"Chemistry in the Development of the Cottonseed Industry."

By C. B. Cluff.

"A Short Historical Sketch of Edible Oil Deodorizing Equipment and Methods."

By Alan Porter Lee.

"The Application of Chemistry to the Law of Commodity Control."

By M. F. Lauro.

"A Study of Indicators for Determining Free Fatty Acids of Dark and Red Oils."

By P. McG. Shuey.

### COMMITTEE REPORTS

Referee Board—A. S. Richardson.

Journal Committee—W. H. Irwin.

Cottonseed Analysis Committee—J. L. Mayfield.

Moisture Committee—H. L. Roschen.

Oil Characteristics Committee—M. F. Lauro.

Olive Oil Committee—M. F. Lauro.

Color Glass Development Committee—L. M. Gill.

Fat Analysis Committee—W. H. Irwin.

Revisions of Methods Committee—W. H. Irwin.

Crude Mill Operations Committee—H. L. Thomas.

Soap in Oil Committee—L. A. Spielman.

Progress in Oils and Fats—R. C. Newton.

Refining Committee—H. S. Mitchell.

Smalley Foundation Committee—J. J. Vollertsen.

Soybean Analysis Committee—C. H. Cox.

Uniform Methods and Planning Committee—J. J. Vollertsen.

### ELECTION OF OFFICERS

At the close of the formal program, the Nominating Committee, headed by A. S. Richardson,

brought in their recommendations for officers of the Society for the ensuing year. The slate

of nominees was elected by the Society. The new officers are as follows:

President: M. L. Sheely, Armour 31st St. Auxiliaries, Chicago, Ill.

1st Vice-President: C. H. Cox, Barrow-Agee Laboratories, Memphis, Tenn.

2nd Vice-President: L. M. Gill, Darco Sales Corp., New York, N. Y.

3rd Vice-President: H. L. Roschen, Swift & Company Laboratories, Chicago, Illinois.

4th Vice-President and Chairman of the Soap Section: C. P. Long, The Procter & Gamble Co., Ivorydale, Ohio.



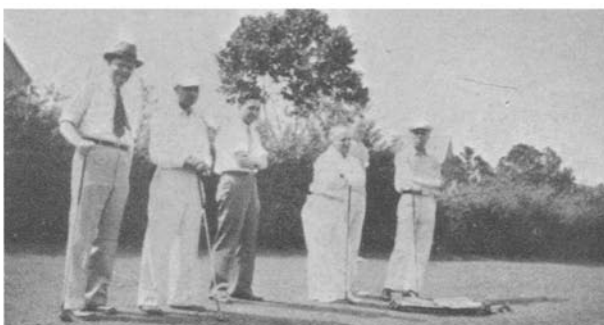
Harris Launching His Best Drive of the Day.



Just a Couple of 19th Hole Spectators. Crapple and Former President Robinson.



Left to Right: Boulware, Saferstein, Middlebrook, Pelofsky.



Waiting to Tee Off! L. to R.: Richardson, Ruston, Crapple, Potts, Morris, Sheely.



President Sheely Taking Golf Seriously.

ENTERTAINMENT

GOLF

The Golf Tournament, in which a large number of members participated, was held at the Lakewood Country Club on Thursday afternoon. The weather was ideal and the golfers in fine spirit. The course was fast, the winds high, the greens rolling and fast, and there were many up-sets. A large number of very fine prizes rewarded the strenuous efforts put forth. N. C. Hamner, playing his home course, turned in the best score of the day, going around in 85.

A list of prizes, donors and winners is given below. Through the photographic efforts of A. E. MacGee, some action "shots" of the players have become available and are presented herewith.



"Clark Gable" Smith. The Ball Is in the Cup.

Low Gross Score

Winner	Score	Prize	Donor
N. C. Hamner.....	85	.....Nuchar Cup & Trophy.....	Industrial Chemical Sales Co.
J. Pelofsky .....	86	.....Bobby Jones Matched Irons.....	Milwhite Company.
L. B. Forbes.....	87	.....Bobby Jones Matched Woods.....	L. A. Soloman.
N. A. Ruston.....	87	.....Clock .....	Peerless Clay & Mineral Co.
B. L. Sternberg.....	88	.....Sandwich Grill .....	Wilson-Bennett Co.
E. H. Tenent.....	88	.....Cuff Links .....	Emil Greiner Co.

C. Holmberg	89	Aneroid Barometer	Central Scientific Co.
R. C. Hatter	91	Golf Balls	Southern Cotton Oil Co.
E. J. Bennett	91	Golf Balls	Greene Brothers.
J. Pless	93	Chipper	Mathieson Alkali Co.
P. D. Cretien	96	Lighter	Skelly Oil Co.
H. Lament	97	Merck's Index	Merck & Company.

**Low Net Score**

Winner	Prize	Donor
H. S. Mitchell	Trophy Cup	Linz & Company.
N. Middlebrook	Bobby Jones Irons	Bennett & Clarke.
M. M. Jameson	Golf Bag	Laboratory Construction Co.
E. R. Barrow	Silver Platter	American Can Co.
H. Odeen	Trio Air Guide	Refinery Supply Co.
G. W. Agee	Golf Balls	E. H. Sargent & Co.
R. McBride	Golf Balls	Darco Sales Corp.
E. Haas	Golf Balls	Armstrong Packing Co.
A. S. Richardson	Golf Balls	Procter & Gamble Co.
H. C. Dormitzer	Vegetable Dish	P. M. Wagner-Givaudan-Delawanna.
M. M. Durkee	Lighter	Skelly Oil Co.
A. E. Bailey	Lighter	Skelly Oil Co.
A. Saferstein	Lighter	Skelly Oil Co.

**Blind Bogie**

J. J. Vollertsen	Bobby Jones Irons	Sharples Specialty Co.
R. H. Potts	Matched Woods	Filtrol Co.
C. H. Cox	Gladstone Bag	McKesson & Robbins.
Jack Harris	Ice Bowl	H. Reeve Angel & Co.
W. Watkins	Silver Platter	Baker Hotel.
H. E. Brownfield	Golf Balls	N. C. Hamner.
A. Smith	Golf Balls	Sharples Specialty Co.
A. A. Kramer	Merck's Index	Merck & Company.

THE SOCIETY'S THANKS ARE DUE THE DONORS OF THESE PRIZES

**Dinner for Governing Board**

A dinner for the Governing Board was given on Wednesday evening in honor of President and Mrs. Ainslie, by Mr. and Mrs. N. C. Hamner. This party was held at the Lakewood Country Club.

**Banquet:**

The closing feature of the Convention was the Banquet at the Peacock Terrace of the Baker Hotel on Friday night. The banquet hall was decorated beautifully, and the interesting arrangement of the tables was very striking. The Local Committee supplied excellent entertainment, including music by a fine quartet. The floor show, consisting of several dance numbers and other features, was very well received.

**ACKNOWLEDGMENT**

The thanks of the Society are due to the local Dallas Committee for an excellent Convention. The Ladies' Committee is to be commended for their arrangements to entertain visiting ladies.

**FALL MEETING**

The Governing Board has designated Chicago for the Fall Meeting. President Sheely has appointed the following to serve as the nucleus of the Local Committee:

W. H. Irwin, Chairman

J. P. Harris, Vice-Chairman

M. L. Sheely  
A. E. MacGee  
J. J. Vollertsen  
A. E. King  
V. Conquest  
E. H. Harvey

R. C. Newton

H. L. Roschen

This committee held a meeting on June 4 and tentatively set October 14-15 as the meeting dates, subject to change if conflict with other meetings develops.

**PRESIDENT'S REPORT**

BY E. C. AINSLIE

**S**HARING in the economic recovery of the country the Society has made gratifying progress during the past year.

Our membership has reached a total of over 400 and the industries represented are more than ever varied. The faith and vision of the small group of oil mill and refinery chemists who founded the Society is rewarded to an extent that must be amazing to them. It is now truly a national body and recognition of this fact must, in time, be reflected in many phases of its operation.

Financial progress, as shown by Mr. Helm, has been sound. Practically all the ground lost in the depression years has been regained.

For the second year in succession the Journal has been self supporting. The Journal Committee deserves our thanks, and to its chairman, Mr. Irwin, we must acknowledge a permanent indebtedness. Such interest as he

has shown cannot be bought and it is a source of satisfaction to us all that his efforts have been crowned with success. Mr. Irwin's long illness has been a source of sadness to his many friends in the Society.

The Fall Meeting in Chicago presented a new record for Society Meetings. With a registration of 215 and a strong program a standard is set for the coming years. Again, we must thank Mr. Irwin and his associates of the local committee who organized this meeting in its every detail.

I would like to express now my thanks to those active members with whom I have had much contact. Their willingness to serve and advise has made my term of office a most pleasant one.

Committee work for the year has been satisfactory. As previous officers have noted, the focal point of our interest shifts from year to year, and invariably such interest induces constructive ef-

fort. This year the refining committee has done an immense amount of work on the refining of soybean oils.

Two new committees were appointed during the year. A committee to collect, compile and publish data on Oil Characteristics, and a committee to study our methods for the determination of Total Fatty Acids in Acid Soap Stocks. This first committee will have a long-time job which should be of interest to many of us. The chairman of the second committee, starting late through no fault of his, promises a report at the Fall Meeting.

The future may be expected to

produce organization problems incident to the greater size and scope of the Society. The time is not far gone when the membership was to a considerable extent personally acquainted. Committee appointments are simple when each member's interests are known. That is now changed, and, if we are to get the best results from the plentiful supply of talent in the Society, new methods of discovery must be used. I feel sure that each committee chairman would welcome the advice that any of you are interested in the work of his committee. Only by some such scheme will we have the strongest working

committees.

There will be no dearth of problems. You will notice, for instance, a paper listed in the program dealing with evaluation of lint. Such work is being done regularly by several laboratories in the cotton belt, yet a guess of a few years back as to future analytical work would hardly have included this by-product as a likely prospect.

The Society may well face the future confidently. Its yearly growth, both in numbers and interests, proves the soundness of its basic ideals and points to years ahead of increasing power and influence.

## REGISTRATION LIST

### Dallas Meeting

- |                                     |                                    |                                       |
|-------------------------------------|------------------------------------|---------------------------------------|
| G. Worthen Agee, Memphis, Tenn.     | J. C. P. Helm, New Orleans, La.    | H. C. Olien, Milwaukee, Wis.          |
| E. C. Ainslie, Atlanta, Ga.         | C. O. Holmberg, Omaha, Nebr.       | G. W. Owen, Cleveland, Ohio.          |
| J. T. R. Andrews, Cincinnati, Ohio. | W. D. Hutchins, Savannah, Ga.      | J. Pelofsky, Chattanooga, Tenn.       |
| A. E. Bailey, Memphis, Tenn.        | M. M. Jameson, New York, N. Y.     | J. N. Pless, Memphis, Tenn.           |
| E. R. Barrow, Memphis, Tenn.        | G. S. Jamieson, Washington, D. C.  | R. H. Potts, Chicago, Ill.            |
| J. W. Battle, Montgomery, Ala.      | W. E. Jouvenat, Sherman, Texas.    | J. E. Ragsdale, Houston, Texas.       |
| A. G. Bedell, Pine Bluff, Ark.      | W. N. Kesler, Oklahoma City, Okla. | M. Raney, Chattanooga, Tenn.          |
| E. J. Bennett, South Bend, Ind.     | R. R. King, Sherman, Texas.        | T. L. Rettger, Memphis, Tenn.         |
| M. G. Boulware, Memphis, Tenn.      | J. H. Kirby, Memphis, Tenn.        | M. Reynolds, Chattanooga, Tenn.       |
| J. Bourner, Columbus, Ohio.         | L. Kishlar, St. Louis, Mo.         | A. S. Richardson, Ivorydale, Ohio.    |
| H. E. Brownfield, Dallas, Texas.    | A. G. Kolnig, Dallas, Texas.       | L. N. Rogers, Memphis, Tenn.          |
| A. H. Bruecke, New York, N. Y.      | A. A. Kramer, New York, N. Y.      | T. R. Robertson, Houston, Texas.      |
| H. M. Bulbrook, Fort Worth, Texas.  | N. F. Kruse, Decatur, Ind.         | A. A. Robinson, Indianapolis, Ind.    |
| R. D. Calloway, Kansas City, Mo.    | C. A. Kuhlke, Augusta, Ga.         | H. L. Roschen, Chicago, Ill.          |
| E. H. Chapin, Chicago, Ill.         | F. B. Lachle, Sherman, Texas.      | N. A. Ruston, Cincinnati, Ohio.       |
| G. F. Clark, Nacogdoches, Texas.    | H. H. Lament, Philadelphia, Pa.    | A. Saferstein, Oklahoma City, Okla.   |
| C. B. Cluff, Cincinnati, Ohio.      | T. C. Law, Atlanta, Ga.            | M. K. Sanders, Dallas, Texas.         |
| M. R. Coe, Washington, D. C.        | A. P. Lee, New York, N. Y.         | M. L. Sheely, Chicago, Ill.           |
| C. H. Cox, Memphis, Tenn.           | B. S. Lindsey, Houston, Texas.     | J. R. Shipner, Omaha, Nebr.           |
| G. A. Crapple, Chicago, Ill.        | A. E. MacGee, Chicago, Ill.        | P. McG Shuey, Savannah, Ga.           |
| P. D. Cretien, Dallas, Texas.       | R. M. McBride, Houston, Texas.     | A. Smith, Memphis, Tenn.              |
| H. C. Dormitzer, Chicago, Ill.      | D. B. McIsaac, Savannah, Ga.       | L. A. Spielman, Chicago, Ill.         |
| R. G. Dressler, Los Angeles, Calif. | J. E. Maloney, Chicago, Ill.       | F. W. Stakelbeck, Dallas, Texas.      |
| G. R. Dunning, Fort Worth, Texas.   | R. M. Martin, Nacogdoches, Texas.  | B. L. Sternberg, Oklahoma City, Okla. |
| M. M. Durkee, Decatur, Ill.         | R. P. Mathews, Dallas, Texas.      | H. Stevens, Washington, D. C.         |
| A. F. Erwin, Milwaukee, Wis.        | O. E. May, Urbana, Ill.            | E. H. Tenent, Memphis, Tenn.          |
| L. B. Forbes, Little Rock, Ark.     | J. L. Mayfield, Chickasha, Okla.   | H. Thomas, Forrest City, Ark.         |
| E. Freyer, Buffalo, N. Y.           | M. A. Middlebrook.                 | J. F. Thompson, Oklahoma City, Okla.  |
| J. J. Ganuchau, New Orleans, La.    | R. T. Milner, Urbana, Ill.         | H. P. Trevithick, New York, N. Y.     |
| K. S. Gibson, Washington, D. C.     | H. S. Mitchell, Chicago, Ill.      | H. W. Vahlteich, New York, N. Y.      |
| L. M. Gill, New York, N. Y.         | W. C. Moor, Fort Worth, Texas.     | J. J. Vollertsen, Chicago, Ill.       |
| A. R. Gudheim, Edgewater, N. J.     | H. E. Moore, Columbus, Ohio.       | P. Wagner, Dallas, Texas.             |
| F. C. Haas, Wyandotte, Mich.        | C. E. Morris, Chicago, Ill.        | W. T. Watkins, Chattanooga, Tenn.     |
| N. C. Hamner, Dallas, Texas.        | H. H. Mueller, Boonton, N. J.      | M. E. Whitten, Dallas, Texas.         |
| J. P. Harris, Chicago, Ill.         | L. N. Murrah, Fort Worth, Texas.   | P. A. Williams, Houston, Texas.       |
| R. C. Hatter, Baltimore, Md.        | H. Odeen, Philadelphia, Pa.        |                                       |

### LADIES PRESENT AT THE DALLAS MEETING

Mrs. H. C. Hamner  
Mrs. H. E. Brownfield  
Mrs. R. G. Dressler  
Mrs. J. J. Ganuchau

Mrs. Ruth Wagner  
Mrs. P. A. Williams  
Mrs. J. J. Vollertsen  
Mrs. W. T. Watkins

Mrs. Paul Cretien  
Mrs. W. E. Jouvenat  
Mrs. B. L. Sternberg  
Mrs. R. V. Waffin

Mrs. E. H. Tenent  
Mrs. L. B. Forbes  
Mrs. W. B. Williams  
Mrs. H. M. Bulbrook

### Our New President

The Society's new President, Mr. M. L. Sheely, was born in Albany, New York, in 1897. He is married and has one child.

Mr. Sheely received his education at Union College, from which he graduated with a B.S. degree in chemistry in 1919. After graduation he spent a short period with the New York State Conservation Commission at Saratoga Springs, New York, and two years in the laboratories of Sears, Roebuck and Company, Chicago. He joined the staff of Armour 31st Street Auxiliaries in 1921. In his sixteen years with Armour and Company, Mr. Sheely has progressed from control chemist to research chemist to chief chemist, having filled the last named position for a period of eight years.

Mr. Sheely's present capacity is that of assistant general superintendent of the plants comprising this subsidiary group, namely—



M. L. S H E E L Y

Soap, Glue, Glycerin, Fatty Acids, Sandpaper and Curled Hair plants.

President Sheely's Society memberships are as follows:

American Chemical Society, 1919.

American Oil Chemists' Society, 1925.

President Sheely has been very active on various committees of the American Oil Chemists' Society, including soap, glycerin, fat analysis, and is representative of the society on the new A.S.T.M. Soap and Detergents Committee. He has been chairman of the Soap Analysis Committee since 1931. He has been a member of the Soap Section since the organization of that group and became its third chairman, following A. K. Church and A. Campbell in this capacity. President Sheely has been the Abstract editor of the Soap Section of OIL & SOAP.

## SECRETARY-TREASURER'S ANNUAL REPORT

May 1st, 1936, through April 30th, 1937.  
FINANCIAL STATEMENT

RECEIPTS		STANDARD SALTS:	
<b>OFFICE OF THE SECRETARY-TREASURER.</b>		Sales of Ammonium Sulphate .....	22.00
Cash Balances May 1st, 1936:		Sales of Sodium Carbonate .....	24.00
In Petty Cash Drawer .....	\$ .04	Collected for Postage advanced on sales shipments .....	6.71
In Checking Account Nat'l Bk. of Commerce in N. O. (Liquid) .....	55.81		52.71
In Savings Account Nat'l Bk. of Commerce in N. O. (Liquid) .....	262.15	<b>ALUMINUM MOISTURE DISHES:</b>	
In Savings Account Hibernia Nat'l Bk. in N. O. (Liquid) .....	53.77	Sales of Dishes .....	62.82
In Checking Account Whitney Nat'l Bk. in N. O. (Liquid) .....	1,398.45	Collected for Postage Advanced on Sales shipments .....	4.11
In Savings Account Whitney Nat'l Bk. in N. O. (Liquid) .....	1,077.20		66.93
	\$2,847.42	<b>COLORLESS CLEAR GLASSES:</b>	
<b>(FROZEN ACCOUNTS)</b>		Sales of Glasses .....	.50
In Savings Account Hibernia Bk. & Trust Co. in Liquidation .....	281.42		.50
In Savings Account Canal Bk. & Trust Co. in Liquidation .....	772.67	<b>METHODS OF ANALYSIS:</b>	
In Checking Account Canal Bk. & Trust Co. in Liquidation .....	344.23	For Binders Sold .....	128.00
	1,398.32	For Sets of Methods Complete through 1935 Revisions (Without Binders) .....	94.73
	4,245.74	For 1935 Revisions only .....	7.82
<b>RECEIVED DURING THE YEAR FROM:</b>		For Sets of Methods Complete through 1936 Revisions (Without Binders) .....	149.38
Interest on Cash in Savings Accounts in banks .....	32.97	For 1936 Revisions only .....	70.59
Interest from Bonds National Union Mortgage Co. ....	32.00	Collected for Postage advanced on sales shipments .....	23.60
	64.97		474.12
	\$4,310.71	<b>CONVENTIONS AND MEETINGS:</b>	
<b>DUES AND JOURNAL "OIL AND SOAP"</b>		Receipts at Annual Spring Meeting, New Orleans, La., May 28 and 29, 1936 .....	23.00
Dues—Active, 1936-1937 (\$3.50 each) .....	1,204.00	Cash in Hands of Local Committee, Chicago, May 1, 1936 .....	121.73
Dues—Individual Associate, 1936-1937 (\$3.50 each) .....	31.50	Interest accrued on cash in Chicago .....	3.90
Dues—Corporation Associate, 1936-1937 (\$7.50 each) .....	180.00	Receipts at 10th Fall Meeting, Chicago, Oct. 8 and 9, 1936 .....	747.27
Dues—Active, 1937-1938 (\$3.50 each) .....	45.50		1,193.90
Dues—Individual Associate, 1937-1938 (\$3.50 each) .....	.....	<b>SMALLEY FOUNDATION:</b>	
Dues—Corporation Associate, 1937-1938 (\$7.50 each) .....	7.50	For Check Meal Samples, 1936-37 series .....	1,018.50
	1,468.50		1,018.50
<b>MEMBERS SUBSCRIPTIONS TO JOURNAL "OIL AND SOAP":</b>		<b>REFEREE EXAMINING BOARD AND REFEREE CHEMISTS:</b>	
From Payments for year 1936-1937 .....	942.50	Fees for Referee Chemists Certification for year 1936-37 .....	170.00
From Payments for year 1937-1938 .....	35.00	Fees for Referee Chemists Certification for year 1937-38 .....	140.00
Collected for Back Dues 1934-35-36 .....	977.50		310.00
	12.00	<b>COLLABORATIVE ANALYTICAL WORK ON COTTONSEED AND OIL:</b>	
	2,458.00	For 1935-1936 Oil and Seed Samples .....	7.50
<b>FULLERS EARTH AND KIESELGUHR (Filtercel):</b>		For 1936-1937 Oil and Seed Samples .....	440.00
Sales of Fullers Earth .....	447.00		447.50
Sales of Kieselguhr or Filtercel .....	9.00	<b>Grand Total Cash Receipts .....</b>	<b>\$10,889.45</b>
Collected for Postage and Expressage, etc., advanced on sales shipments .....	98.20	<b>PAYMENTS</b>	
Rebated Freight and Drayage .....	2.38	<b>OFFICE OF THE SECRETARY-TREASURER:</b>	
	556.58	Salary of Secretary-Treasurer .....	\$520.00
		Salary of Clerical Help, Stenographer, etc. ....	520.00
		Postage .....	41.57
		Stationery, etc. ....	28.24
		Office Supplies and Equipment .....	17.84
		Sundries Expenses, Rent of Safe Deposit Box of Secretary-Treasurer .....	11.76
		President's Contingent Fund, Expenses .....	20.50
		Exchange on Checks deposited, Bank handling charges, etc. ....	28.15
			\$1,188.06