

25TH ANNUAL MEETING

AMERICAN OIL CHEMISTS' SOCIETY

ROOSEVELT HOTEL, MAY 31-JUNE 1, 1934
New Orleans, La.

1. The Twenty-fifth annual meeting of the American Oil Chemists' Society was called to order 9:40 a. m., May 31, 1934, by E. G. Williams, Chairman of Local Arrangements Committee; after which Invocation was made by H. P. Trevithick.

2. Meeting was officially declared in session by President John P. Harris.

3. On motion of W. H. Irwin, seconded by J. L. Mayfield, the reading of the minutes of the last annual meeting of the Society was dispensed with.

4. President J. P. Harris read the President's annual address; Vice President W. D. Hutchins presiding while this was done. On motion of W. H. Irwin, seconded by N. C. Hamner, the address was referred to a committee appointed by W. D. Hutchins to study the President's address and report back to the meeting next day. The committee appointed by Vice President W. E. Hutchins was H. P. Trevithick, Chairman, E. C. Ainslie and N. C. Hamner.

5. At this time, Mr. Harris read a letter from our dear friend and long time member of the Old Guard, C. B. Cluff, who sent his regrets that for the first time in twenty consecutive years he could not be present at the annual meeting. On motion of N. C. Hamner, seconded by T. C. Law, and carried, the Secretary was instructed to wire the good wishes of those at the meeting, to Mr. Cluff.

6. Mr. Harris read another communication from our old friend and ex-member, Herbert Bailey, in which Mr. Bailey sent his good wishes for a successful meeting.

7. The Secretary-Treasurer, J. C. P. Helm, read his annual report. On motion of H. P. Trevithick, seconded by N. C. Hamner, and carried, the report was accepted and referred to a special auditing committee, appointed by President Harris, and a rising vote of thanks was given to the Secretary for work done. The auditing committee appointed was J. J. Ganucheau, Chairman, A. P. Sanchez and W. R. Stryker.

8. The Secretary-Treasurer presented the report of the Governing Committee; and the minutes of the two meetings of the Governing Committee, May 12, 1933, and May 30, 1934. On motion of W. H. Irwin, seconded by W. R. Stryker, and carried, the report was accepted.

9. At this time Mr. Harris appointed the following committees: Resolutions Committee, Ed. Barrow, Chairman; M. M. Durkee and Arne Gudeheim. Nominating Committee: N. C. Hamner, Chairman; W. H. Irwin and G. W. Agee.

10. Report of the Membership Committee. W. D. Hutchins, Chairman. This report was remarkable because of the fact that Chairman Hutchins and his committee broke the records for new members obtained, and brought the total membership of the Society to over 300, breaking the record for total membership of the Society held by W. H. Irwin and his membership committee of 1929-30. The report was accepted and Mr. Hutchins congratulated by the assembly for his good work.

11. Report of the Journal Committee by W. H. Irwin. Mr. Irwin read his report and asked all of the members to take an added interest in the Journal OIL & SOAP, as the paper had been put under new management by the publishers, and many good things were in prospect. He laid particular stress on the fact that the membership could help a lot by suggesting possibly to the supply houses that they patronized to put an advertisement in the Journal.

Mr. R. D. Irwin of the Gillette Publishing Co., publishers of the Journal being present, was asked to say a few words about the prospective plans for the future relative to the

Journal OIL & SOAP. In this connection, Mr. R. D. Irwin stated that the new management was, in the near future, going to send out a questionnaire to the membership asking them to state where they bought their supplies and about what volume or dollar value these had; this information to be used to obtain advertisements for the Journal if possible.

12. At this time President Harris remarked to those present that it seemed like old times to look around among the assembly and once more see present many old faces who have been conspicuous by their absence in the past two or three years, one of them being Dr. G. S. Jamieson, who would present the next paper.

13. Paper. "Patuá Palm Oil." By Geo. S. Jamieson and R. S. McKinney. Presented by Dr. Jamieson. Dr. Jamieson was thanked for his usual interesting paper. It was in the reading of this paper that Dr. Jamieson brought out the fact that some of the Fatty Acids that we have accepted as single acids for years were really mixtures of two or more Fatty Acids.

14. Report of Cottonseed Analysis Committee. J. L. Mayfield, Chairman. This report was accepted and thrown open to discussion at the suggestion of T. C. Law.

Mr. Mayfield suggested that to help promote uniformity of results the Society have a committee to decide and select a specific make of meat chopper and make it mandatory that all laboratories use it in seed work. Mr. Law stated that he was in favor of the Society adopting the methods as proposed in Mr. Mayfield's report.

Mr. Thomas said that in his work he had to put the meats through the meat chopper several times as the first coming through were coarse and the last much finer than on the first time through.

Mr. W. H. Irwin stated that the replies gotten back by Mr. Harmon from the Collaborators indicated that many different methods were used in the various laboratories and, that the Collaborators should be compelled to use identical methods.

Mr. Mayfield stated that the tests for oil showed the greatest variations. He also stated that it was his personal opinion that the Bauer Mill was not the best for grinding.

Mr. Mayfield stated that the Free Fatty Acid tests checked much closer among the Collaborators than the tests for oil and ammonia.

Mr. Irwin stated that it was his opinion that the tolerance on the oil and ammonia was responsible for the greater difference between the Collaborators on oil and ammonia than on Free Fatty Acids and that possibly the solvents used were not uniform in all the laboratories, and were responsible for some of the differences.

Dr. Freyer asked if Mr. Mayfield checked up on the Bauer Mill.

Mr. Mayfield said he had.

Another reason suggested for the possible difference in the oil results was that many of the laboratories use a cotton plug instead of asbestos as specified. Mr. Mayfield stated his section used asbestos and it made the work easier and the rate of slow percolation was much more uniform than with the cotton plug.

Mr. Agee agreed that asbestos is best, as they had used both and found the asbestos to be much more foolproof. Also that the meat chopper is best and should be used.

This ended the discussions.

15. Announcements.

Mr. Sanchez announced the Golf Tournament would be held at the Metairie Club at 2 o'clock and the green fees had been reduced, and that there would be prizes for everyone.

Mr. Hamner announced the rules governing play in the tournament.

Dr. C. S. Williamson, Jr., of Tulane University, invited all those who were interested to visit his Chemical Engineering Laboratories at the University.

President Harris announced that there would be 3 Buses call at the Hotel at 7 o'clock, Friday evening, to take all those who wanted to attend the Banquet at the Shushan Air Port on Lake Pontchartrain.

16. Paper "Magnolia Seed Oil and Its Properties." Dr. C. E. Coates and M. M. Vick. Paper read by Dr. Coates. Paper accepted with thanks of Society.

17. Report of Crude Oil Mill Operating Committee. Egbert Freyer.

Report accepted with thanks.

Paper "Additional Data on The Relation of Moisture Content to the Increase of Free Fatty Acid Content of Cottonseed in Storage." Egbert Freyer. This paper was presented by Dr. Freyer with lantern slides and was very interesting.

18. Paper "The Effect of Crude Bollie Cottonseed Oil Upon the Color of Refined Oil from Stored Crude Cottonseed Oil." R. H. Fash.

Mr. Stryker asked Mr. Fash if tests were made on the oils used before they were mixed together for the experiments. The answer was "No," not on these particular oils. But observations were made on other batches of oils under similar tests at time of mixing.

Mr. Gudeheim asked if Bleach Tests were made on the oil obtained from the tests. Mr. Fash said "No."

19. Report of the Color Committee, W. D. Hutchins, Chairman. After having first distributed copy of the report and requesting that any member having any suggestions to offer relative to changes, etc., please make them known to J. J. Vollertsen, Chairman of the Uniform Methods Committee. The report was accepted.

20. Report of Color Glass Development Committee, L. M. Gill, Chairman. Report accepted.

With the permission of the President:

Mr. Trevithick gave a short resumé of the work that had been done by the Society relative to the standardization of

Lovibond Color Glasses in the past ten years, and further great amount of work done by Mr. Gill and his committee.

On motion of H. P. Trevithick, seconded by W. R. Stryker, and carried, a vote of thanks was given Mr. Gill.

21. Mr. Harris stated there was no report of the Moisture Committee.

22. Paper "Nickel Catalysts, a New Series of Catalysts for Hydrogenation Purposes." By Leslie G. Jenness.

Mr. Harris thanked Mr. Jenness for his very interesting paper.

At this time Nick Hamner informed the prospective Golfers how the scoring would be carried on and what the rules would be governing the Golf Tournament, and said he hoped none would become victims of short spell of amnesia, relative to their golf score.

There being no further business, the meeting was adjourned until 9:30 a. m. next day, Friday, June 1, 1934.

SECOND DAY OF THE MEETING

The Meeting was called to order by President Harris at 9:35 a. m.

23. Report of the F. A. C. Committee, W. H. Irwin, Chairman. Report accepted. There was no discussion.

24. Report of Committee of Revisions of Methods, W. H. Irwin, Chairman. Report accepted.

At this time Mr. Trevithick offered the suggestion that the price for the methods be raised. However, the consensus of opinion was that this was not necessary as yet.

President Harris announced that there would be a meeting of the New Governing Committee immediately after the General Meeting. It would be held in the main dining room of the Hotel. Also that there would be a meeting of the Retiring Referee Board after the General Meeting of the Society.

25. Report of the Referee Examining Board, by A. S. Richardson. The report as presented by Mr. Richardson was a verbal one and will be published later.

26. Paper "Interpretation of the Analysis of Cottonseed Oil Products." By A. K. Schwartz and Egbert Freyer. Presented by Mr. Freyer. This interesting paper was illustrated by the use of lantern slides. Accepted with thanks.

27. Report of the Refining Committee. C. B. Cluff, Chairman. As Mr. Cluff was sick and could not attend the meeting, and as he had been sick for several months, a Preliminary Report was read by Mr. R. H. Fash.

28. Paper "The Continuous Refining of Liquid Vegetable Oils." By E. M. James. As Mr. James was unable to attend the Meeting, the paper was read by Mr. Lament of the Sharples Co.

29. Report of the Smalley Foundation Committee. A. W. Putland, Chairman. As Mr. Putland could not attend the Meeting, the report was read by Mr. W. H. Irwin.

The Battle Cup of the Smalley Foundation was won permanently by Dr. W. F. Hand, State Chemist of Mississippi. Mr. Ethridge, attending the Meeting as personal representative of Dr. Hand, accepted the cup for Dr. Hand, and stated that Dr. Hand wanted to continue the precedent established by Dr. Battle and would donate a new cup to take the place of The Battle Cup.

On motion of T. C. Law, seconded by W. H. Irwin, and carried, Dr. Hand's offer was accepted with thanks of the Society, and the Secretary-Treasurer was instructed to notify and thank Dr. Hand.

At this time Mr. Harris announced that the "Nuchar" Golf Trophy Cup was won permanently this time by Dr. C. S. Williamson, Jr., of Tulane University, and that a new cup would be offered by one of the Corporation Members of the Society to be competed for in future Golf Tournaments of the Society.

30. Report of the Sampling Committee, R. A. Duncan, Chairman. Mr. Duncan not being able to attend the Meeting, the report was read by J. J. Vollertsen.

There was some discussion brought on by H. M. Shilstone, stating that in a series of tests made on samples of Crude C. S. Oil drawn from cars at loading at mill, and then sampled at destination by Official Inspector, that in no case did the loading and destination samples check. The loading samples invariably showed a much lower refining loss.

Mr. Irwin asked if both loading and destination samples were taken by an official Inspector of the N. C. P. A.

Dr. Shilstone answered "No."

It was the consensus of opinion of the Meeting that both samples should be taken by Official Inspector.

Mr. Irwin suggested that it was his opinion that any changes suggested in the methods of sampling should be referred to the Sampling Committee by Mr. Shilstone.

31. Paper. Some Additional Factors Affecting Accuracy of the Free Fatty Acid Determination as Applied to Cottonseed. Geo. S. Jamieson and R. S. McKinney. Read by G. S. Jamieson.

President Harris thanked Dr. Jamieson for his paper.

32. Report of Committee on Stability of Fats and Oils. F. C. Vibrans. As Mr. Vibrans could not attend the Meeting, his paper was read by Mr. Vollertsen.

33. Paper. Chemistry of Cottonseed. Dr. M. K. Thornton. This paper, as presented by Dr. Thornton, was very enlightening to both Refiners of Cottonseed Oil and Chemists doing consulting and control work for Crude C. S. Mills. It received considerable discussion.

Mr. Smith, as a practical mill chemist, showed how the work being done by Dr. Thornton in Texas was of great practical help in mill operation.

Dr. Thornton was thanked for his very interesting and useful paper.

34. Report of the Basic Research Committee. E. R. Barrow. Accepted. Mr. Barrow described the work being done in Washington and called on Dr. Henry Stevens of the Department of Agriculture for an informal talk on the work being done in this connection.

35. Paper. "Gossypol Content and Refining Losses on Crude C. S. Oil." By H. D. Royce. Mr. Harris thanked Mr. Royce for the Society.

36. Paper. "Low Boiling Hydrocarbons as Oil Extraction Media." By H. Rosenthal and H. P. Trevithick. Read by H. P. Trevithick. Mr. Harris thanked Mr. Trevithick for the paper and said everyone was happy to have our Harry "Terrific" Old Guarder attending the meetings again.

37. Report of Ammonia Selenium Committee. N. C. Hamner, Chairman. Mr. Hamner used a set of large graphs showing the results on the methods as obtained by the committee, which amounted to practical proof of the impracticability of the methods. Report accepted, and committee discharged.

38. At this time, Mr. T. C. Law, Chairman of the Chemists Committee of the National Cottonseed Products Association, was given the floor by President Harris for the purpose of general discussion and comments on proposed changes in methods of analysis, etc., to be offered by the Chemists Committee to the Rules Committee of the N. C. P. Ass'n. The first discussion was on the proposal to change indicator in method for determination of Free Fatty Acids in Cottonseed. It was agreed that more work should be done on this before any change was made.

Mr. Agee asked Mr. Law why it was proposed to use a larger quantity of seed to make analysis on. Mr. Law answered: "So as to insure more concordant results." Mr. Agee said it would cause too much to be handled in the laboratory on routine analysis, when the busy season was on, and larger samples would have to be obtained when duplicates were to be made.

Mr. Richardson stated that there was no need for larger samples, as the rules called for 1,000-gram samples to be submitted, which was ample, and that if smaller were being used, the rules were being violated.

Mr. Law stated that the Committee was of the opinion that the use of a forced draft moisture oven for seed work should be studied by the Moisture Committee. Mr. Law said the Committee recommended a change in the rule relative to moisture in Refined oil to be specific and instead of "Free from Water and Settlings" to read "Not more than .1% Water and Settlings."

There was a discussion by Messrs. Law, Trevithick, Mayfield, Barrow, Agee and Irwin, relative to having the rules make definite recommendation as to when it is mandatory to make duplicate analysis on seed. The point was set, when the Free Fatty Acids were 4% or more. Mr. Law said that the cooperative seed analysis work the past year was exceptionally satisfactory to all concerned. Mr. Law explained to Dr. Jamieson that in making their recommendations, the Committee was not ignoring the work of Dr. Jamieson on Free Fatty Acids in seed, but asked that Dr. Jamieson complete his work. This ended the discussion.

39. Report of the "Planning and Uniform Methods Committee" J. J. Vollertsen, Chairman.

Report of J. J. Vollertsen will be published in full.

Upon motion (separately for each recommendation) of J. J. Vollertsep, seconded by N. C. Hamner, and carried, the recommendations of the Planning and Uniform Methods Committee were adopted as read.

Announcement by E. R. Barrow: The Basic Research Committee would meet at 8 a. m., June 2, 1934, in Grill Room of Hotel.

40. Report of the Resolution Committee. E. R. Barrow, Chairman. After reading the report, Mr. Barrow moved that the resolutions be adopted and the assembly rise and stand in silent tribute to our four members who died during the year: Dr. David Wesson, A. K. Church, R. R. Morgan and J. B. Pratt. Seconded by N. C. Hamner, carried, so ordered and done.

Mr. Barrow then gave a short resumé of the history of the lives of these four departed members of the Society.

41. Report of the Auditing Committee. J. J. Ganucheau, Chairman. Accepted and ordered inserted in the minutes. President Harris thanked Mr. Ganucheau for the work of the Committee.

42. Mr. Harris, acting for the Governing Committee, nominated J. C. P. Helm to succeed himself as Secretary-Treasurer, for the year 1934-35. On motion of N. C. Hamner, seconded by G. W. Agee, and carried, the Secretary-Treasurer was elected unanimously.

43. Report of the Nominating Committee. N. C. Hamner, Chairman. The Committee nominated the following as the officers for the year 1934-35:

President, W. D. Hutchins.

1st Vice-President, A. A. Robinson.

2nd Vice-President, E. R. Barrow.

3rd Vice-President, P. E. Ronzone.

4th Vice-President, and Chairman of Soap Section,

M. L. Sheeley.

It was moved by N. C. Hamner and seconded by A. E. MacGee that the nominations be closed and the nominees be elected unanimously. Carried and so ordered.

President Harris then congratulated Mr. Hutchins and stepped down, giving the chair to President-Elect W. D. Hutchins. Mr. Hutchins made a short address, thanking the membership, and asked that all lend him their support in the coming year to make his administration a success.

44. Report of the "Committee on the President's Address." H. P. Trevithick. Accepted.

Mr. Trevithick offered as a suggestion that the Society follow in line with procedure in use by the Societies in nominating officers, and send out letter ballot to all members in Fall of each year.

Mr. Irwin answered that this would entail change in By-Laws, which change would first have to be recommended by the Governing Committee.

Mr. E. G. Williams, Chairman of the Local Entertainment Committee, announced that the Banquet would start at 7:30 p. m. and that three buses would be at the Hotel at 7 p. m. to take the members down to the Shushan Airport for the Banquet.

On motion of W. H. Irwin, seconded by T. C. Law, and carried, the Meeting adjourned.