

Secretary-Treasurer's Annual Report

May 1, 1932, through April 30, 1933.

Financial Statement

RECEIPTS

<i>Office of the Secretary-Treasurer:</i>	
Cash balance May 1, 1932:	
In Savings Account	\$2,177.31
In Checking Account	524.09
In Petty Cash Drawer.....	4.57
	\$2,705.97
Received during year from interest.....	195.15
	\$2,901.12
<i>Dues and Journal—OIL AND SOAP:</i>	
Dues—Active 1932-1933 (\$3.50 each)	\$ 759.50
Dues—Individual Associate 1932-1933 (\$3.50 each)	7.00
Dues—Corporation Associate 1932-1933 (\$7.50 each)	165.00
Dues—Active 1933-1934 (\$3.50 each)	10.50
	\$942.00
Members subscriptions to Journal OIL AND SOAP	612.50
	1,554.50
<i>Referee Examining Board and Referee Chemists</i>	
Referee Chemists	135.00
Official Fullers Earth.....	348.23
Standard Salts	44.63
Aluminum Moisture Dishes.....	42.45
Color Glasses and Colorless Glasses.....	24.76
Methods of Analysis.....	138.40
<i>Conventions and Meetings:</i>	
Receipts at Annual Spring Meeting, New Orleans, May 12-13, 1932.....	\$215.00
Cash in hands of Chicago Local Committee, May 1, 1932.....	183.25
Receipts at Fall Meetings, Chicago, Oct. 20-21, 1932.....	288.20
	686.45
<i>Smalley Foundation:</i>	
Check Meal Samples 1932-1933 Series.....	912.00
	1,848.69
GRAND TOTAL RECEIPTS.....	\$6,787.54
PAYMENTS	
<i>Office of the Secretary-Treasurer:</i>	
Salary of Secretary and Treasurer..	\$500.00
((\$125.00 of this is for quarter ending May 31, 1932, including two months, March and April, 1932.)	
Clerical Help, Stenographer, etc.....	480.00
Postage	29.73
Stationery	9.75
Office supplies and equipment.....	6.55
Bond Secy.-Treas., Rent Safe Deposit Box, Telegrams and Sundries Expense	21.75
Exchange on checks deposited, etc....	17.80
	\$1,065.58
<i>Dues and Journal—OIL AND SOAP.....</i>	1,027.61
<i>Referee Examining Board and Referee Chemists</i>	7.30
<i>Official Fullers Earth.....</i>	89.89
<i>Standard Salts</i>	6.30
<i>Moisture Dishes</i>	4.58
<i>Color Glasses and Colorless Clear Glasses.....</i>	.41
<i>Methods of Analysis.....</i>	172.86
<i>Conventions and Meetings.....</i>	700.03
<i>Printing</i>	43.19
<i>Smalley Foundation</i>	883.22
GRAND TOTAL PAYMENTS.....	\$4,000.97

RECAPITULATION

Total Receipts	\$6,787.54
Total Payments	4,000.97
Cash Balance on hand and in Banks May 1, 1933.....	\$2,786.57

Statement of Resources and Liabilities

<i>Cash:</i>	
Balances on hand and in Whitney National Bank (100% good)	\$ 503.09
In Hibernia Bank & Trust Co. (frozen pending reorganization as National bank).....	499.11
In Canal Bank & Trust Co. (frozen pending reorganization as National bank).....	1,639.18
<i>Bonds and Securities:</i>	
Liberty Bonds (O. K. and yielding interest).....	200.00
Bonds of National Union Mortgages (O. K. and yielding interest)	2,000.00
Ad-Interim Receipt for Bonds of Chicago Medical Arts Bldg.	1,500.00
(This institution in the hands of Receiver and not yielding any interest. Very doubtful if it will be pulled through.)	
<i>Bills Receivable</i>	57.81
<i>Bills Receivable (apparently not collectible).....</i>	15.36
<i>Supplies and Materials on Hand:</i>	
Official Aluminum Moisture Dishes.....	4,300 dishes
Standard Glycerine Samples.....	500 cans
Sodium Carbonate and Ammonium Sulphate (4 oz. bottles)	3,645 bottles
Colorless Clear Glasses for Tintometer for Oils..	232 glasses
Glycerine Samples.....	70 bottles
Methods of Analysis, complete sets (without binders)	1,383 sets
Binders for Methods of Analysis.....	94 binders
One Set of 32 Standardized Levibond Glasses.	
<i>Liabilities</i>	\$112.17

Report of Members Lost and Members Received Into the Society for Year; and Status of the Membership of the Society, May 1, 1933.

We have members as follows:	
Honorary	4
Active	225
Corporation Associate	23
Individual Associate	3
	255
Total Membership May 1, 1933.....	255
During the year May 1, 1932, through April 30, 1933, we have received new members as follows:	
Active	25
Corporation Associate	1
Individual Associate	2
	28
Total Members Received.....	28
During the same period, we have lost members as follows:	
By Death, 1 (Honorary Member, I. G. Priest).....	1
By Resignation, 16 Active, 4 Corporation Associate.....	20
By Suspension for Non-payment of Dues, 41 Active, 2 Corporation	43
	64
Total Members Lost.....	64
Total Membership of the Society May 1, 1932, was.....	290
Total Membership of the Society May 1, 1933, was.....	255
Net Loss of Members for year ending April 30, 1933....	35

Mr. President: In submitting this foregoing report, I ask that an Auditing Committee be appointed to make a thorough audit of the accounts of the Secretary-Treasurer, and report back to the Society before the adjournment of this meeting, May 12, 1933.

J. C. P. Helm,
Secretary and Treasurer.

Observations on the Quantitative Comparison of Various Accelerated Stability Tests

The Editor.

Sir: The qualitative agreement between the results, on four samples, of seven different stability tests in four different laboratories reported on page 108 by King, Roschen, and Irwin¹, is so good that it seemed of interest to calculate the data to a basis allowing a quantitative comparison.

This has been done in the accompanying table by taking, for each test, the ratio of the value for sample B (the most stable) to 20 and multiplying the values for all the samples by this factor. In the case of test b, 100 times the reciprocal of the mg./kg. figures was used. This procedure, of course, gives sample B the same value for all tests and makes the other data comparable.

COMPARISON OF DATA OF VARIOUS ACCELERATED STABILITY TESTS

Sample	<i>Test</i>						
	a	c	d	b	e	f	g
A.....	7	8	8	11	10	10	9
B.....	20	20	20	20	20	20	20
C.....	12	13	12	16	16	14	16
D.....	2	5	3	2	4	2.5	4

Since test a is the subject of the paper under discussion, and as it was chosen as the basis of reference in the above calculation, it is interesting to observe the relation of its data to that of the other tests.

Considering the variety of the conditions and all of the circumstances involved in tests of this kind, the agreement is quite good. Directing attention especially to the values for Samples A and C, the tests fall into two groups: Tests a, c, and d give lower values for these samples than b, e, f, and g, the agreement within each group, however, being particularly close. That this may be accidental, is not overlooked, especially as tests e and d are identical; but their data fall in different groups. Another observation might be made: considering samples A, C and D, all of the methods give higher values than Test a, except for two values which are equal. This would seem to indicate, if we regard the general average of all the data as most nearly correct,

¹Oil and Soap X-105 (1933).

that the results yielded by test a are, if anything, too low. It might be further noted that, of three tests depending on an organoleptic end point, two are in one group, the third in the other.

One conclusion seems certain: judged solely by the reliability of results, there seems little to choose between the various methods. As stressed, however, by the authors of the paper, test a has obvious advantages, chief among which is the relatively short time necessary for obtaining results.

EGBERT FREYER.

South Texas Cotton Oil Co.,
Houston, Texas,
June 22, 1933.

Referring to the above calculations by Dr. Freyer, the authors feel that the calculations are correct, but wish to emphasize one point which may be overlooked, and that is that Test A is a combination of an organoleptic test and a chemical test, the peroxide value. In other words, the titration is not made until an observation by the sense of smell indicates that the sample is rancid, and since three samples are started at hourly intervals, the titrations show the point at which there is a sharp break.

Report of the Uniform Methods and Planning Committee, 1932-33

While the past year has been a very difficult one for everybody, including the members of the American Oil Chemists' Society, it is gratifying to note that considerable careful work has been done by the various committees appointed by our President during the last year. We shall briefly mention some of the work done and the recommendations presented and would bespeak a very careful consideration and discussion by the members of the Society present.

Sampling Committee:

This committee has worked up a few improvements on the present sampler, which will be incorporated in all of those which are furnished hereafter by the Refinery Supply Company. They recommend as follows:

- "1. Reduce the weight. Without the added parts it now weighs 16¼ pounds and with the handles, etc., it is 17¾ pounds. It is believed this can be reduced to 11-12 pounds without seriously affecting serviceability.
- "2. Develop a practical plan of making the sampler in sections so it can be easily knocked-down. Some commercial laboratories and others who must sample oil at widely scattered points object strongly to the length and unwieldiness of the official sampler."

Inasmuch as these changes can be handled by the Refinery Supply Company it is the recommendation of the Sampling Committee, and this is concurred in by the Uniform Methods and Planning Committee, that the