REPORT OF FAT ANALYSIS COMMITTEE 1934-1935

By W. H. IRWIN
Chairman

THE Fat Analysis Committee made a report at the last Fall meeting and, therefore, our report at this time will be brief.

The several changes in the methods adopted at the Fall meeting will be included in the revision of methods which will appear about the first of August.

At the present time the committee has three methods under consideration: 1) The Wiley Melting Point method; 2) the Twitchell method for the determination of liquid and solid fatty acids; and 3) the determination of Tri-stearin in Lard.

WILEY MELTING POINT

The Wiley Melting Point results in different hands have not been in sufficiently good agreement to warrant the adoption of the method. The details of the method have been drawn closer and cooperative samples have been sent out to the committee members. It is hoped that the modifications in the method will result in sufficiently good agreement so that the method may be offered for tentative adoption to the Fall meeting.

LIQUID AND SOLID FATTY ACIDS

At the Fall meeting it was agreed to send out a modification of the Twitchell method for study by the committee members. It was also agreed at that time that each laboratory would try out this method on a sample of their own choosing, making three separate analyses at intervals of two weeks, and reporting all figures. Later, however, some of the members thought it best that all members of the committee work on the same sample and in this way save some time and work. This sample has gone forward to the various members, but it will be some time before the results are in.

TRI-STEARIN IN LARD

The attention of the committee was called to the fact that in the A.O.A.C. methods, in following method No. 1, which called for solution of the fat in warm ether, it is almost impossible to get a crop of crystals under the conditions described in the method and even with Method No. 2 there are some difficulties which apparently needed attention.

With this in mind, the committee decided to confine their work to the use of acetone as the solvent. It is hoped that results of this work will be ready for consideration before the Fall meeting.

The chairman realizes that this report does not indicate a great deal of progress, but for the past 2 or 3 years it has been very difficult for the several laboratories interested to handle much cooperative work of this nature, but we hope to make more progress during the interval between this meeting and our Fall meeting.

W. H. Irwin, Chairman
R. W. Bailey
T. C. Law
C. P. Long
H. J. Morrison
M. L. Sheely
L. M. Tolman
H. P. Trevithick
J. J. Vollertsen,
Fat Analysis Committee.

REPORT OF COLOR GLASS DEVELOPMENT COMMITTEE*

AMERICAN OIL CHEMISTS' SOCIETY

By L. M. GILL, Chairman

IN this committee's report as of April 10, last year, the following appeared:

The work of the committee is then proceeding along two lines:

(1) Investigation of possibility of correcting the glasses as now furnished by Lovibond by grinding and polishing to the proper thickness. In this connection it is to be noted that, with few exceptions, the glasses have in recent years given higher values than their original grading after being calibrated at the Bureau of Standards. This would accordingly indicate that they could be adjusted to their correct value with a minimum of grinding and polishing.

(2) Investigation of possibility of devising a colorimeter which will function without the

*AS PRESENTED AT THE 26TH ANNUAL MEETING OF THE AMERICAN OIL CHEMISTS' SOCIETY, AT MEMPHIS, MAY 23-24, 1935