



we wish to express our appreciation to Law and Company for their careful handling of this phase.

R. W. BARTLETT	T. L. RETTGER
R. R. HAIRE	L. H. HODGES
R. T. DOUGHTIE, JR.	H. C. BLACK
T. C. LAW	R. W. BATES, chairman

Subcommittee on Oilseeds

During the 1950-51 season the subcommittee on oilseeds handled three separate check series, namely, cottonseed, peanuts, and soybeans. The number of collaborators on each series of samples were: 46 on cottonseed, 19 on peanuts, 27 on soybeans.

Grades obtained by collaborators on the peanut and soybean series, on the whole, showed general improvement over preceding seasons while grades on the cottonseed series were somewhat lower and more erratic than in prior years. This being due primarily to more analysts being outside of tolerance on free fatty acid results.

Certificates for proficiency in analysis on each series will be awarded to the following chemists:

On the Cottonseed Series:

FIRST PLACE to G. R. Thompson, District Chemist, Southern Cotton Oil Company, Savannah, Ga., who received a grade of 99.28.

SECOND PLACE to L. W. Purdy, Raleigh Testing Laboratories, Raleigh, N. C., and Edw. R. Hahn, Hahn Laboratories, Columbia, S. C., who tied with grades of 98.80.

On the Peanut Series:

FIRST PLACE to M. L. Hartwig, Battle Laboratories, Montgomery, Ala., who received a grade of 100.00.

SECOND PLACE to C. L. Manning, Fort Worth Laboratories, Fort Worth, Tex., who received a grade of 99.60.

On the Soybean Series:

FIRST PLACE to L. W. Purdy, Raleigh Testing Laboratories, Raleigh, N. C., who received a grade of 100.00.

SECOND PLACE to W. N. Kesler, Woodson-Tenent Laboratories, Little Rock, Ark., who received a grade of 99.70.

A complete report showing all grades was mailed to the collaborators.

EDWARD R. HAHN	R. T. DOUGHTIE JR., chairman
G. CONNER HENRY	

Subcommittee on Tallow and Grease

During the past year this subcommittee distributed five samples of tallow and grease to 42 collaborators. Only two collaborators failed to report on any samples. The results re-

ported were free fatty acid, color, titer, moisture, insoluble impurities, and unsaponifiable. The results showed improvement over those of previous years, which has always been true of check sample work.

Some of the collaborators still insist reporting results to meaningless decimal places, and occasionally the unofficial R. B. and G. B. color tubes are used.

We believe that the sample preparation was greatly improved. One sample (No. 3) caused some concern, due to the increase in free fatty acid content after shipment. Collaborators were not graded on this determination on sample No. 3.

A new grading system has been used this year, and just how equitable it is will develop with use. While we are formally designating the two top collaborators, we do not feel that the work is sufficiently standardized to give certificates for proficiency.

We would like an expression from the collaborators on including a bleach test on next year's work. A complete report of the work has been mailed to collaborators.

The winning collaborators were:

H. C. Bennett, Los Angeles Soap Company, Los Angeles, Calif.....	99.56
T. S. McDonald, Procter and Gamble Company, Dallas, Tex.....	98.31
C. H. CARLSON	D. L. HENRY
J. L. TRAUTH	W. C. AULT, chairman

Subcommittee on Crude Vegetable Oils

Six samples of crude vegetable oil were distributed to 79 collaborators. Three were cottonseed, and three were soybean oil.

As usual, the grades on the cottonseed oil were based on refining loss, refined color, and free fatty acid. The spectrophotometric method was used on the refined oil colors.

On the soybean oils the grades were based on the refining loss, bleached color, and free fatty acid. In general, both Lovibond and spectrophotometric colors were reported, and in these cases the color deduction was the average of the deductions by the two methods.

The grading was complicated a bit by the confusion existing on the reading of color. We believe the results in general were as good as those in previous years, however. A complete tabulation has been mailed to all collaborators.

The collaborators receiving the highest grades were:

FIRST PLACE—W. F. Beedle, Geo. W. Gooch Laboratories, Los Angeles, Calif., 99.72%.

SECOND PLACE—Edw. R. Hahn, Hahn Laboratories, Columbia, S. C., 98.34%.

Certificates will be awarded to the winners.

A. A. KIESS	F. R. EARLE
F. G. DOLLEAR	A. S. RICHARDSON, chairman

Subcommittee on Drying Oils

During the period four sets of samples were distributed to 18 collaborators. Three sets have been tabulated and mailed. Each set consisted of two samples. Sixteen collaborators reported.

The samples included alkali refined linseed oil, crude linseed oil, castor oil, a chemically modified oil, a solvent segregated soyaoil, and a solvent segregated fish oil.

The determinations made were Gardner color, Spectrophotometric color, Refractive Index, Iodine value, Acid value, Saponification value, and hydroxyl value.

The hydroxyl value was initiated on set No. 3 and the diene value requested on set No. 4.

The correlation of most results were good except the hydroxyl values. On this latter value considerable improvement is needed.

Though the number of collaborators have been relatively small, considerable value has been derived from the work. The subcommittee recommends that it be continued next year if it is possible to do so.

D. S. BOLLEY	R. L. TERRILL
F. SCOFIELD	S. W. GLOYER, chairman