

The Education Committee of the American Oil Chemists' Society

THIS committee was appointed by President S. O. Sorensen, with the approval of the Governing Board, during the summer of 1946, for the purpose of arranging for a series of short schools covering fatty oils and related products to be sponsored by the Society and to be presented at outstanding educational institutions. The Education Committee also proposed to assist any educational institution desiring to put on an instructional course related to fatty oils in the obtaining of suitable information and supplementary reading to make the course as valuable as possible. And as a further purpose it was desired to promote cooperation between our Society and all educational institutions.



J. P. Harris

During the four years that this committee has been active it has accomplished the following results:

1948—A Short Course on the Production and Processing and Uses of Vegetable Oils at the University of Illinois.

1949—A Short Course on the Production and Processing of Edible Fats at the University of Illinois.

1950—A Short Course on the Production, Processing, and Uses of Drying Oils at the University of Minnesota.

Never before had complete instructional material on fatty oils been made available, and so publication of the lectures delivered by the faculty of these short schools has tremendously enriched the literature of fatty oils. The books containing these lectures now constitute a very worth-while addition to the rather meagre instructional and reference material hitherto available to educational institutions. Several colleges and universities are using these books for reference purposes, and we are calling the attention of all schools to their availability.

During the first year after the appointment of this committee our principal activity was contacting a considerable number of educational institutions to determine which one would be most suitable for presenting the first short school. We were very pleased to observe the cooperation which was offered to us by several universities. Finally during the fall of 1947 we decided to place our first course at the University of Illinois, and the entire membership of our committee, consisting of R. R. King from Sherman, Texas, President Reid T. Milner from Peoria, Ill., and H. R. Kraybill, A. R. Baldwin, and the writer from Chicago, met with Prof. T. S. Hamilton, who became the coordinator and instructor for the course, and with Dean Robert B. Brown and R. K. Newton of the University Extension Division. The course was set for August 16 to 21, immediately following the close of summer school.

REID T. MILNER, president of the Society, deserves most of the credit for putting across this first short school so successfully. One hundred seventeen students attended this course, coming from 11 different countries and from 21 states to air-conditioned Gregory Hall on the University of Illinois campus. Lodgings were available at the local hotels and the Men's Residence Hall, with meals in the Union Building. All of the students showed great enthusiasm for the course, which was brightened by field trips to the A. E. Staley Manufacturing Company at Decatur, Illinois, Allied Mills Inc., Taylorville, Illinois, and Swift and Company's soyabean plant at Champaign, Illinois, and by a banquet and a fish fry at the Allerton Estate which will live long in the memory of every student.

Great credit is due to every member of the faculty who made possible this splendid contribution to the literature of the industry. This program included:

Raw Materials

- The Economics of Raw Materials, by A. B. Paul
- Culture of Oilseeds, by R. R. Kalton
- Marketing of Oilseed in the United States, by G. L. Pritchard
- Composition and Chemistry of Oilseeds, by E. S. Lutton

Production

- History of Oilseeds Processing, by Warren H. Goss
- The Theory of Solvent Extraction, by George Karnofsky
- The Practice of Oilseeds Extraction, by R. P. Hutchins

Processing

- Alkali Refining and Decolorizing, by Ben H. Thurman
- Solvent Refining and Fractionation of Oils and Fats, by Warren H. Goss

Hydrogenation of Fatty Oils—Modern Theory and Practice, by A. E. Bailey

Deodorization, by H. C. Black

Plasticizing and Packaging, by J. E. Slaughter Jr.

Utilization of Fats from the Refining of Vegetable Oils, by W. A. Peterson

Vegetable Lecithin, by J. K. Gunther

Industrial Uses for Fats and Oils, by E. W. Colt

Utilization of Vegetable Oil and Meals

Culinary Uses of Vegetable Oils, by O. J. Pickens

Oil Meals in Animal Feeds, by T. S. Hamilton

Industrial Utilization of Oilseed Meals, by R. S. Burnett

DURING 1949 two valued members of our committee resigned, Reid Milner and Bob King. They were replaced by Warren Goss and Karl Mattil, who have served with distinction ever since, together with H. R. Kraybill and A. R. Baldwin, who has been invaluable to the committee in looking after publications. That same year the Society presented a course on the Production and Processing of Edible Fats before 171 enthusiastic students. Prof. T. S. Hamilton again acted as coordinator and instructor most efficiently.

(Continued on page 22)

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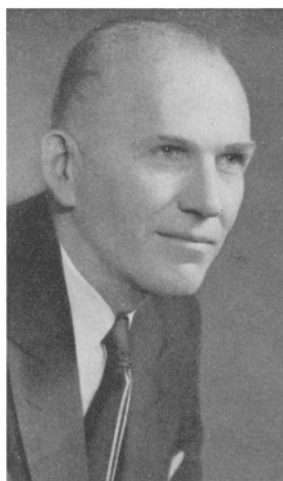
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Victor Conquest

Conquest Promoted

Victor Conquest, who has been with Armour and Company, Chicago, since 1926, was elected a vice president in charge of the Research Division on February 16, 1951. He organized the Research Department in 1929 and was made general manager of the Division in April 1949. A member of the American Oil Chemists' Society since 1934, Mr. Conquest was a member of the Advertising Committee in 1941 under Lamar Kishlar, chairman, and has

served from time to time on the Chicago Convention Committee.

The Education Committee

(Continued from page 4)

This course was amplified by an enlightening and enjoyable visit to and tour through the Northern Regional Research Laboratories, and a banquet and fish fry were featured. Very constructive lectures by the faculty were as follows:

- Some Economic Aspects of the Edible Fat Industries, by A. B. Paul
- The Chemistry of Fats, by B. F. Daubert
- The Composition of Fats, by B. F. Daubert
- Processing of Oilseeds and Nuts by Hydraulic and Mechanical Screw Press Methods, by R. P. Hutchins
- Theory of Solvent Extraction, by George Karnofsky
- Mechanics of Solvent Extraction, by George Karnofsky
- Rendering, by F. C. Vibrans
- Batch Against Continuous Refining of Vegetable Oils, by B. H. Thurman
- Solvent Refining and Fractionation of Fats and Oils, by W. H. Goss
- The Nutritive Value of the Residues from Oil Extractions, by T. S. Hamilton
- Feeding Value of Residues from Oil and Fat Extractions for Swine, by J. L. Krider
- Theory and Mechanics of the Hydrogenation of Edible Fats, by A. E. Bailey
- Fundamentals of Deodorization, by R. W. Bates
- Mechanics of Deodorization, by C. E. Morris
- Decolorization of Edible Fats, by A. R. Baldwin
- Color Evaluation of Edible Fatty Oils, by Duncan Macmillan
- Stabilization and Antioxidants, by H. T. Spannuth
- Plasticizing and Packaging, by J. E. Slaughter Jr. and C. E. McMichael
- Shortening, by G. A. Crapple
- Emulsion Food Products, by L. C. Brown

These lectures were published in our Journal and were then made up into an attractive book, which is available for sale at \$2.

During 1950 the Education Committee arranged for a jointly sponsored short school on Drying Oils with the Federation of Paint and Varnish Production Clubs. This was largely made possible through the cooperation of Francis Scofield of the National Federation of Paint and Varnish Production Clubs and of the National Paint, Varnish, and Lacquer Association, who is also a member of the American Oil Chemists' Society. He was appointed a member of

the Education Committee along with S. O. Sorensen in 1950.

Mr. Sorensen's service as chairman of the Minneapolis sub-committee was an outstanding contribution to the Society. The effort of our Education Committee was amplified during this year by cooperation from the following members of the Education Committee of the Federation of Paint and Varnish Production Clubs: M. Van Loo and Chas. G. Moore of Chicago and James Kortum of Minneapolis, who all contributed greatly to the success of this course.

This course was held at the Continuation Center of the University of Minnesota, where the students were housed, fed, entertained and instructed. All of the students and visitors agreed that this course was a great success and formed a new milestone in creating instructional and reference literature for drying oils. W. O. Lundberg made a most efficient coordinator and instructor, and we are also greatly indebted to Dean J. M. Nolte and Fred E. Berger of the university for anticipating every need of students and faculty.

Excellent and informative trips were made to the plant of the Minnesota Linseed Oil Company and to the research laboratories of the Archer-Daniels-Midland Company. Chairman Sorensen arranged for a most enjoyable boat trip down the Mississippi River, followed by a banquet.

The following lectures were presented by the faculty, who are deserving of the sincere thanks of our Society for their contributions:

The Present and Future of Drying Oils, by S. O. Sorensen
 The Chemistry of Drying Oils, by D. H. Wheeler
 Mechanical Extraction of Drying Oils, by J. W. Dunning
 The Solvent Extraction of Drying Oils, by F. P. Parkin
 Refining of Drying Oils, by Max Kantor
 Fractionation of Drying Oils and Acids, by S. W. Gloyer
 Heat Bodying of Drying Oils, by P. O. Powers
 Blowing Drying Oils, by W. L. Taylor
 Dehydration of Castor Oil, by R. L. Terrill
 Copolymerization, by A. G. Hovey
 Isomerization and Trans-Esterification, by J. C. Cowan
 Driers, by C. A. Klebsattel
 The Significance of Tests on Drying Oils, by J. C. Konen
 Alkyds, by C. G. Moore
 Vegetable Oil Paints, by L. L. Carrick
 The Use of Drying Oils in Oleoresinous Varnishes, by J. M. Hafeli
 Drying Oils in the Floor Covering Industry, by G. A. O'Hare
 Drying Oils in Printing Inks, by I. M. Bernstein
 Miscellaneous Uses of Drying Oils, by S. S. Gutkin

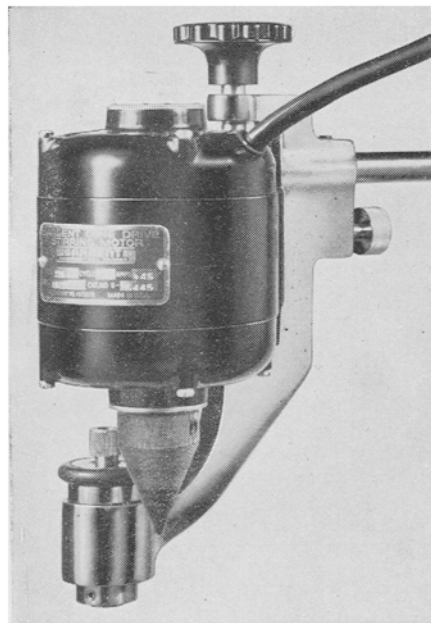
These lectures were published in the November 1950 issue of the Journal of the Society, also in book form, which is now available for sale at \$3 to all members of these two Societies, the industry, to students, and to all educational institutions.

The Education Committee has proposed to the Governing Board a new short school for 1952, and they have proposed another cooperative effort with another university for November, 1951.

We of the Education Committee wish to express our deep appreciation of the good counsel and support which we have received from many other members of the Society not otherwise mentioned, including presidents C. P. Long, V. C. Mehlenbacher, and J. R. Mays Jr., under whose leadership we had the privilege of serving, and to Mrs. Lucy R. Hawkins and her capable staff at Society headquarters, who have been constantly so helpful to us.

JOHN P. HARRIS
Chairman, Education Committee

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