

North Central Section honors Cochran

At a dinner meeting in March, the AOCS North Central Section presented Walter M. Cochran, head of product development, Edible Oil Research, Swift & Co., with the 15th Alton E. Bailey Award Medal.

He was honored for his many practical contributions to the fats and oils industry, including the development of emulsifier, fat, and shortening systems for use in bakery, confectionery, imitation dairy, and prepared mix products.

Following comments on the history and significance of the Bailey Award by Dave Holcomb, Award Committee chairman, Claude W. Lantz, H.B. Taylor Co., introduced Cochran to the group. The medal was presented by President of the North Central Section Bernie Szuhaj.

After the award ceremony, Cochran discussed "Size and Functional Implications of Edible Oil Markets as a Basis for Selecting Research Programs." The size of the industrial markets for edible fats and oils was reviewed, and an estimate of these markets was made in terms of functional profiles of fats as related to triglyceride composition.

Cochran noted that fats are used to impart lubricity and structure, as well as for aeration capabilities, moisture barriers, heat exchange media, solvents, and nutrition. He pointed out that stability and physical properties required for a particular market determine the suitability of a particular fat for that market. To achieve success, he stated, a new fat should be able to consolidate markets or significantly improve on the suitability-stability-cost relationship in an area where volume is high.

J.C. Cowan and H.J. Dutton, two previous Bailey Award Medal winners attended this year's presentation.

Sponsors for the 1975 Bailey Award Fund included: Anderson Clayton Foods; Blaw-Knox Chemical Plants Division, Dravo Corp.; Cargill; Central Soya; CPC International; Eastman Chemical Products; General Mills Chemicals; General Mills; Harshaw Chemical Co.; Girdler Chemical Co.; Glidden-Durkee; Hoffmann-LaRoche; Interstate Foods Corp.; Kraftco Corp.; Oscar Mayer & Co.; Perkin Elmer Corp.; Procter & Gamble Co.; Sargent-Welch Scientific Co.; Stephan Chemical Co.; Swift & Co.; and Tolbia Cheese Co.



Bernard Szuhaj, left, president of the North Central Section, presents the Bailey Award Medal to this year's recipient, Walter M. Cochran, head of product development, Edible Oil Research, Swift & Co.



Various members of the North Central Section, who represent Swift & Co., gather around Walter M. Cochran and his wife.



The House Committee of the North Central Section, left to right: Frank Fleider, Walter Iverson, and Dan Sullivan, all of Central Soya Co.



Pictured above, left to right: Dave Holcum, Bailey Award Committee chairman; Mrs. W.M. Cochran, wife of this year's Bailey Award winner; Dave Erickson, Swift Edible Oils; and Wally Quick, Duffy Foods.

Princen named research chief

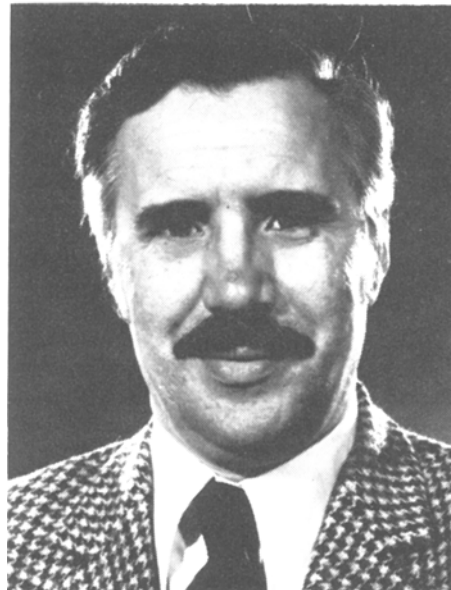
Lambertus H. Princen has been appointed chief of industrial crops research of the USDA's Northern Regional Research Laboratory, Peoria, Ill.

The Northern Laboratory's industrial crops research seeks to find new sources of specialty oils for plastics and lubricants, fibers for pulp and paper, drugs, and biodegradable pesticides. The latest research concerns cooperating closely with plant breeders. Germ plasm sources are being monitored, as well as naturally occurring toxic substances that may develop in new agricultural varieties.

Princen began his research at the Peoria laboratory in 1960 as a fellow of the National Flaxseed Processors' Association and entered federal service in 1962. In 1963, he was a member of a team that won a USDA Superior Service Award for developing linseed oil emulsion paints. In 1969, he received an individual Superior Service Award for applying basic research to practical problems in making emulsions and dispersions.

A native of The Netherlands, he attended the State University in Utrecht where he earned two doctoral degrees, one in philosophy in 1955 and one in science in 1959, in addition to a bachelor's degree. He was a post-doctoral fellow from 1955-1958 at the University of Southern California, Los Angeles, and was a chemist in the National Defense Laboratory of The Netherlands from 1958-1960.

As chairman of the Division of Organic Coatings and Plastics Chemistry of the American Chemical Society, he edited two volumes on the use of the scanning electron microscope to gain more scientific knowledge about polymers and coatings. He is the author of 41 research publications and 2 patents.



Design · Engineering · Procurement Construction

Hydrogen production by water electrolysis
High-temperature generators
Treatment of service and potable water
Boiler feed water and process water production
Effluent water treatment
Waste air purification
Solvent recovery

BAMAG reports

BAMAG VERFAHRENSTECHNIK

P. O. Box 460 · D-6308 Butzbach
Federal Republic of Germany
Telephone: 83-1 (area code 06033)
Telex: 410237 · cable: bamag butzbach



A Davy International Company

Hydrogen Production by Electrolysis

- Nearly half a century of expertise
- Hundreds of Electrolysers supplied
- Hourly capacities from 3 to 340 Nm³/hr H₂
- Gas of ultra-high purity
- Low energy consumption
- Automatic operation
- No harmful wastes