Five students honored at Dallas

Five graduate students received Honored Student Awards at the AOCS 66th Annual Spring Meeting held in Dallas in April.

This award program, established in 1963 under the direction of the Education Committee, recognizes outstanding preparation for a career in the field of fats and oils by providing selected students with an opportunity to participate in the Society's national meetings.

Those companies which have contributed to the Honored Student Award Program for 1974-75 include: G.A. Wintzer & Son Co., Wapakoneta, Ohio; International Chemical Corp., New York, N.Y.; Lauhoff Grain Co., Danville, Ill.; NL Industries, Inc., Hightstown, N.J.; Fatty Acid Producers Council, New York, N.Y.; and Kraftco Research and Development, Glenview, Ill.

The five students honored at the meeting are listed below.

Carolyn M. Aswad, candidate for a PhD degree in public health-nutrition at the University of California, Los Angeles, is conducting an investigation into the role of vitamin E as a biological antioxidant in the aging process. Under the direction of Roslyn B. Alfin-Slater, she also is undertaking breeding studies to assess the effect of high intakes of vitamin E upon reproduction.

Danny T.Y. Chiu is a graduate student working toward his PhD degree in food science and technology at the University of California, Davis. Under the direction of A.L. Tappel, he is working in the field of purification and characterization of GSH-peroxidase. His work includes studies of physical properties, kinetic studies, selenium prosthetic group determination, and a study of the enzyme's major role in the rat.

Jay C. Means, a candidate for the PhD degree in food science at the University of Illinois, is working under the direction of E.G. Perkins. His work centers on three primary concerns: to employ a CO_2 IR laser-gas chromatography-mass spectrometry (GC-MS) system to study the volatile and nonvolatile thermal degradation products of various lipid compounds in both inert and oxidizing atmospheres; to study the feasibility of using the laser-GC-MS system as an analytical tool for the study of the structure of polymeric materials of all types, including biological polymers; and to determine the effects of laser energy upon components of tissue.

Richard McGee, a candidate for the PhD degree in biochemistry from the University of Iowa, has been working to determine if the highly malignant Ehrlich ascites tumor cells possess a mechanism for the short term regulation of fatty acid biosynthesis, as has been demonstrated with noncancerous cells, and to discover the mechanism of regulation, if such a control process is present. He is working under the direction of Arthur A. Spector.

Patricia A. Murphy, a master's degree candidate in food science and technology at the University of California, Davis, is working under the direction of H.S. Olcott. She is investigating a number of proven antioxidants and their free radical nitroxide analogues. She is studying histidine, imidazole, indole, tryptophan, and N-methyl-γ-tocopheramine in hopes of synthesizing, isolating, and characterizing their nitroxides. ■

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