H. E. Carter Named for Third AOCS Award in Lipid Chemistry

Announcement was made at the 57th Annual AOCS Meeting in Los Angeles that H. E. Carter has been named to receive the third AOCS Award in Lipid Chemistry, sponsored by Applied Science Laboratories.

The award consists of a certificate and a $2500 honorarium, in recognition of superior achievement in the field of lipid research.

Dr. Carter is Head of the Department of Chemistry and Chemical Engineering, University of Illinois, Urbana. Earlier recipients of this award were Eric Baer, Toronto, and Ernst Klenk, of Cologne, Germany.

Dr. Carter

Dr. Carter was born Sept. 25, 1910; married in 1933 and has two daughters. He received his A.B. degree from De Pauw University in 1930 and the MS and PhD degrees from the University of Illinois in 1931 and 1934, respectively.

On completing his PhD in organic chemistry (under Dr. C. S. Marvel), he accepted an appointment in biochemistry where he advanced from Instructor to Professor over the period 1934–1945. He has been Head of the Department since 1954, and was Acting Dean of the Graduate College from 1963 to 1965.

As his first research project, Dr. Carter undertook an extensive study of the synthesis and chemistry of amino hydroxy acids and developed several procedures for the preparation of threonine, serine and others. Certain aspects of this amino acid work led to the two main areas of subsequent research interest—antibiotic chemistry and the biochemistry of complex lipids. In the former area he has made extensive contributions to the chemistry of streptomycin, streptothricin, and neamine and has isolated and characterized several new antibiotics. In the lipid area his more important contributions include the elucidation of the structure of sphingosine and of the cerebrosides; the discovery in seeds of a long-chain base similar to sphingosine (designated phytosphingosine), the elucidation of its structure and the characterization of the complex oligosaccharide derivatives to which phytosphingosine is attached by a phosphate-diester link; the discovery of the galactosylglycerides in wheat flour and other plant sources; the discovery of cerebrosides in plants and the recognition that sphingosine derivatives occur in plants as well as in animals.

Dr. Carter has had sixty-eight PhD students and a substantial number of masters and senior research students. He has served the American Chemical Society, the American Society of Biological Chemists, the National Institutes of Health and the National Research Council in many capacities. He is a past President of the ASBC and is currently Chairman of the Committee on Professional Training of the ACS. He served for several years on the Executive Committee of the Division of Chemistry and Chemical Technology of the National Research Council and was chairman of the U.S. National Committee on the International Union of Pure and Applied Chemistry and a member of the U.S. National Committee on the International Union of Biochemistry. He was elected to the National Academy of Sciences in 1953 and is now chairman of the Biochemistry Section. He was recently elected to the National Science Board.

He received the Eli Lilly Award in Biochemistry in 1943 and an Honorary Sc.D. degree from De Pauw University in 1953. He received the Nichols Medal in 1965. He was an original member of the Board of Editors of Biochemical Preparations and was Editor-in-Chief of Volume I.

Dr. Carter enjoys golf, bowling and squash. He has a very complete library of modern books on golf and admits to two holes-in-one.

During the past year he has served as Acting Dean of the Graduate College but admits that he will be a much easier man to live with when he can trade the biochemical laboratories for the carpeted luxury of the Dean's office.

Registration Begins for AOCS Processing Course

Registrations are now being accepted for the AOCS Short Course on "Processing Quality Control of Fats and Oils," scheduled for August 29th through September 1st at Kellogg Center, Michigan State University, East Lansing, Mich.

Lectures will be given by authorities in such fields as Rendering, Oil Extraction, Refining, Bleaching, Deodorization, Hydrogenation, Interesterification, Crystallization, Fat Composition, Formulation and Control of Shortening, Margarine, and Salad Oil. Present day operations and the latest technological developments will be presented and discussed. Special sessions will be devoted to Automated Process Control Concepts, Air and Water Pollution, Clean-in-place Systems Statistical Processes, and Commodity Trading.

For the four-day program, the registration fee is $100, Room and Board is $47.96, with double occupancy in rooms at Kellogg Center.

Per diem fee is $35 for registration, $6.24 for room, $6.50 for meals.

Student registration fee is $25 for the four-day program.

Housing is also available in motels, two to three miles distant from the campus.

The Lansing area may be reached by the Michigan State highway system, the Grand Trunk railroad, North Central and United Airlines.

The 4500 acre Michigan State Campus with its famed Beaumont Carillon Tower, Beal-Garfield Botanical Gardens, new space-age Abrams Planetarium, and Kresge Art Center is an excellent location in late August for this AOCS Educational Program.

Registration and reservations may be made by contacting Carl Hauber, AOCS Headquarters Office, 35 East Wacker Drive, Chicago, Ill. 60601.

Lipoprotein Symposium Planned for Philadelphia Meeting

As part of the technical program of the 1966 fall meeting of the AOCS in Philadelphia on October 3–5, a symposium on structural lipoproteins is being organized. Papers relative in any way to this field of inquiry are welcome.

Structural lipoproteins are a major component of tissue membranes in both plants and animals and are, in a sense, surface active. Besides their obvious importance in life processes, they may be of special significance to industry in which transport through cell membranes is important, as in the manufacture and reconstitution of dried or frozen foods. They have long been recognized as an important part of cereal flour used in baking processes.

The deadline for titles, authors, and a 250 word abstract, is July 5. These should be sent to the technical program chairman, Dr. Waldo C. Ault, U.S. Department of Agriculture, 600 East Mermaid Lane, Philadelphia, Penna. 19118, and copies should be sent to the organizer of the symposium, Dr. R. J. Vander Wal, Armour and Company, Food Research Division, 801 West 22nd St., Oak Brook, Ill. 60521.