



**Dr. Holman to receive
AWARD IN LIPID CHEMISTRY**

Dr. Ralph T. Holman has been named to receive the 14th Award in Lipid Chemistry from the American Oil Chemists' Society. The award will be presented during the Society's 1978 Annual Meeting to be held in St. Louis May 14-18, 1978. Dr. Holman is executive director of the Hormel Institute at the University of Minnesota and holds dual appointments as professor in the Department of Biochemistry, Medical School, University of Minnesota, and professor at Mayo Medical School, Rochester, MN.

The award, established in 1964, is presented to an outstanding scientist in the field of lipid chemistry. It recognizes the accomplishments of outstanding original research in lipid chemistry, the results of which have been presented through publication of technical papers of high quality. The award is accompanied by a \$2,500 honorarium from Applied Science Laboratories in State College, PA.

For more than 30 years, Dr. Holman has been involved in research on polyunsaturated fatty acids. For most of that time he has worked on metabolism of polyunsaturated fatty acids, helping to clearly define the nutritional and biochemical properties of polyunsaturated fatty acids. A significant portion of his work involved improving existing analytical techniques and developing new ones to provide faster and more accurate results.

He has authored or co-authored more than 260 publications. Dr. Holman was an associate editor for *Lipids* when the journal was established in 1966 and has served as editor since 1974. Since 1952 he has served as editor for "Progress in Chemistry of Fats and Other Lipids." He served on the editorial board of *Journal of Nutrition* from 1962-66, and joined the board of editorial consultants for *Journal of Parenteral and Enteral Nutrition* last year.

Dr. Holman's research interests have encompassed oxidative deterioration of fats, lipoxidase, essential fatty acid metabolism, methods of lipid analysis, mass spectrometry, in vitro metabolism of fatty acids, and quantitative chemical taxonomy. Among his other accomplishments, Dr. Holman is credited with delineating the metabolic conversions of polyunsaturated acids in vivo and in vitro, discovering and characterizing the competitive interactions in the metabolism of the several families of polyunsaturated acids, setting standards for the diagnosis of essential fatty acid deficiency in animals and man, demonstrating that geometric and positional isomerism in fatty acids governs their acceptability as substrates in a variety of biological systems and enzymes, and devising a system of quantitative chemical taxonomy based upon lipid composition.

Dr. Holman is a native of Minneapolis and attended

primary and secondary schools there. He received an Associate Arts degree in 1937 from Bethel Junior College, his Bachelor of Science with a major in agricultural biochemistry at the University of Minnesota in 1939, his master of science in biochemistry from Rutgers University in 1941, and his doctorate in physiological chemistry at the University of Minnesota in 1944.

After two academic years as an instructor at Minnesota, Dr. Holman spent a year in Stockholm as a National Research Council Fellow in Physiological Chemistry at the Medical Nobel Institute and another year as an American Scandinavian Foundation Fellow at Uppsala University.

He returned to the United States in 1948 as an associate professor in biochemistry and nutrition at Texas A&M University, College Station, TX, before rejoining the University of Minnesota in 1951 as an associate professor in physiological chemistry and a resident at The Hormel Institute. He has been at the University of Minnesota and Hormel Institute since, except for 1962 when he was an NIH Special Fellow to the University of Gothenburg. He was named a full professor in 1956 and executive director of the Hormel Institute in 1975.

Dr. Holman has held several offices in the AOCS, serving as president in 1974-75. Dr. Holman received the American Institute of Nutrition's Borden Award in 1966, the AOCS Bailey Award in 1972, The Italian Oil Chemists Society's Fachini Medal in 1974. He is a member of the American Society of Biological Chemists, the American Chemical Society, the American Institute of Nutrition, Society for Experimental Biology and Medicine, and Sigma Xi. ●

Bert Boynton dies

AOCS has been informed of the death of Bert R. Boynton, an AOCS member since 1969, on Jan. 13, 1978. Mr. Boynton was lab manager for the Swift Edible Oil Co. in Fort Worth, TX.

Mr. Boynton had been a regular participant in the Smalley Check Sample Program, finishing second in 1977 and third in 1976 in the edible fat analysis program.

Mr. Boynton received his bachelor's degree in 1948 at Texas Technological College in Lubbock, TX. He had been with the Swift facility since it opened in 1966. Mr. Boynton is survived by his wife and two children. He was 55. ●

the latest in Lipids

FEBRUARY 1978

- Metabolism of Linoleate versus Linoleidate
- Metabolism of a n-Paraffin, Heptadecane, in Rats
- Vitamin C and Guinea Pig Adrenal Cholesteryl Esters
- Incorporation of 20:1 and 22:1 Acid in Rat Serum Lipoproteins
- Singlet Oxygen Oxidation of Adsorbed 2,5-Diphenylfuran
- Chronic Ethanol on Cholesterol and Bile Acid Synthesis
- Pro- and Antioxidants in Lyophilized Red Blood Cell Membranes
- POV Determination by Colorimetric Iodine Method
- Microfloral Metabolism of Sulfolithocholic Acid
- Hydrolysis of Phospholipids in the Small Intestine of the Chick
- Cholinephosphotransferase Inhibition by Centrophenoxine
- Preparation of Choline and Ethanolamine Plasmalogens