

• Local Section News

Northeast Section Achievement Award

In 1965 the rules were set down for the Northeast Section Achievement Award, an idea that was developed and nurtured by S. S. Chang, then President of the section, and his officers and directors.

The award is to be given annually to a person in the Northeast Section Area for his outstanding research or service in the field of lipids and all allied and associated products.



R. W. Riemenschneider



Daniel Melnick

The first recipient was R. W. Riemenschneider, who was presented the award in June 1966 by Dr. Chang. Mr. Riemenschneider received his B.A. degree from the University of Illinois in 1927 and his M.S. degree from the University of Maryland in 1930. During his career he was employed by the U.S. Department of Agriculture, The Bureau of Animal Husbandry, National C. Henseal Products Association on a research fellowship and Eastern Regional Labs from 1941 until his retirement in 1965. He is co-author of 86 publications and has been granted 5 patents. This award was given in recognition of an



W. C. Ault

outstanding career devoted to research dealing with the composition and quality of fats and oils. The second annual award was given to Daniel Melnick in Sept. 1967. Dr. Melnick received his bachelor's degree in chemistry and Ph.D. degree in biochemistry from Yale University. After four years of post doctorate research at Yale and at the University of Michigan, he worked at Fund Research Labs in New York. Dr. Melnick is certified as a specialist in Human Nutrition by the American Board of Nutrition and is a member of the National Research Council Committee. The award was presented by Frank Naughton in recognition of Dr. Melnick's outstanding contributions in research on fats and oils. Dr. Melnick is the author of about 145 scientific publications 40 of which are U.S. patents.

The recipient of the third annual award was W. C. Ault. It was presented to him by August Rossetto in November 1968. Dr. Ault was educated at Ohio State University and received his Ph.D. in 1934. He is the author of 70 publications and 20 patents. He was for a number of years Adjutant Professor of Chemistry at Drexel Institute of Tech. He worked at United Gas Improvement Company, Monsanto Chemical Co. and U.S.D.A. Northern Regional Labs before coming to Eastern Utilization Research Labs. Dr. Ault has received many awards as a U.S.D.A. scientist. Before his retirement, he was chief of the Animal Fat Products Lab of the Department of Agriculture's Eastern Utilization Research and Development Division in Wyndmoor, Pa. The Northeast Achievement Award was given in recognition of his outstanding contributions to the field of fats and oils through research and industrial development.

Deadline for nominations for this year's Achievement Award is May 31, 1969.

• New Books . . .

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section, "Reviews in Macromolecular Chemistry," are being published annually in book form.

The first half of this particular version is an especially thorough review, through part of 1966, of phosphorus containing polymers. Although a great number of polymers (organic and inorganic, with phosphorus on side groups and in the main chain) have been synthesized, commercial utility has been limited due to instability and/or cost. The other half of the book reviews polyesterification, symmetry considerations for stereoregular polymers, copolymerizations of vinyl compounds with ring compounds, the application of high resolution NMR to determination of polymer structure, polymer single crystals and thermal degradation of polystyrene.

The Reviews are of direct value to polymer chemists and certain of the Reviews are of possible value to biochemists and biophysicists. This book could offer the purchaser a fully indexed, durable addition to his library. The Subject Index is poor, however, and is little more than a relisting of the Table of Contents. It should be expanded to justify the purchase of such a book.

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REDUCTION: TECHNIQUES AND APPLICATIONS IN ORGANIC SYNTHESIS, edited by Robert L. Augustine (Marcel Dekker, Inc., New York, 242 pp., 1968, \$12.75).

This book is the second volume of a projected series on

"Techniques and Applications in Organic Synthesis" under the editorship of Robert L. Augustine, Seton Hall University. It contains three chapters: 1. The Chemistry of the Mixed Hydrides, by Mark N. Rerick of Providence College; 2. Dissolving Metal Reductions, by Michael Smith, Geigy Chemical Corporation; 3. Deoxygenation of Carbonyl Compounds, by William Reusch, Michigan State University.

Chapter 1 discusses the chemistry of the mixed hydrides (addends of lithium aluminum hydride and sodium borohydride) and describes reduction techniques, apparatus required, limitations of the methods and possible side-reactions. This is followed by a description in detail of the reduction of specific organic functional groups covering a broad range from hydrocarbons (olefins) to sulfur compounds.

Chapter 2 follows much the same arrangement of material in describing the chemistry and application of Metal-Ammonia and Metal-Amine reagents.

Chapter 3 describes the Wolff-Kishner and Clemmensen reduction techniques. Included is a description of the use of Raney Nickel in desulfurization.

This is an excellent book and a worth while addition to the chemical literature. A 12 page Subject Index and 17 page Author Index facilitate locating a particular item or literature reference.

Practicing chemists engaged in organic synthesis will find the information in this book invaluable and stimulating. It can be recommended to the attention of all chemists wishing to utilize the most effective methods of reduction applicable to organic compounds.

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