

## AWARD OF MEDALS

The Seventy-third Annual Award of Medals was held on Monday, June 13, 1983, at 10:00 a.m., in the presence of His Majesty the Emperor.

The function was opened with an address by the President, in which he made a brief statement of each award. Then the Medals and Prizes were presented to the respective recipients.

After this, congratulatory addresses were given by the Prime Minister and the Minister of Education.

The function was closed at 11:25 a.m.

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THE RECIPIENTS OF THE PRIZES AND THE SUBJECTS OF THEIR STUDIES

Teruaki MUKAIYAMA

Exploration of New Methodologies in Synthetic  
Organic Chemistry and the Syntheses of  
Biologically Related Substances

Organic synthesis today continues to make rapid progress in close relations with such fields as life and material sciences, whereas the exploration of novel and efficient synthetic methods has been strongly desired for successful achievement of the total synthesis of a variety of compounds of interests.

During the last 30 years, Dr. Mukaiyama has explored a wide spectrum of new synthetic methods, that is, new synthetic organic reactions, including the following three projects considered to be the landmarks of his research.

1. Exploration of new dehydration condensation reactions. Dehydration condensation reactions, one of the most fundamental organic reactions, proceed in general *via* elimination of H<sub>2</sub>O molecule as [H] and [OH]. Dr. Mukaiyama introduced an oxidation-reduction system into the condensation reactions and established a totally new "Oxidation-Reduction Condensation" which proceeds by eliminating H<sub>2</sub>O molecule as 2[H] and [O] during condensations.