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to the Late Professor Yoshiaki UEMURA*

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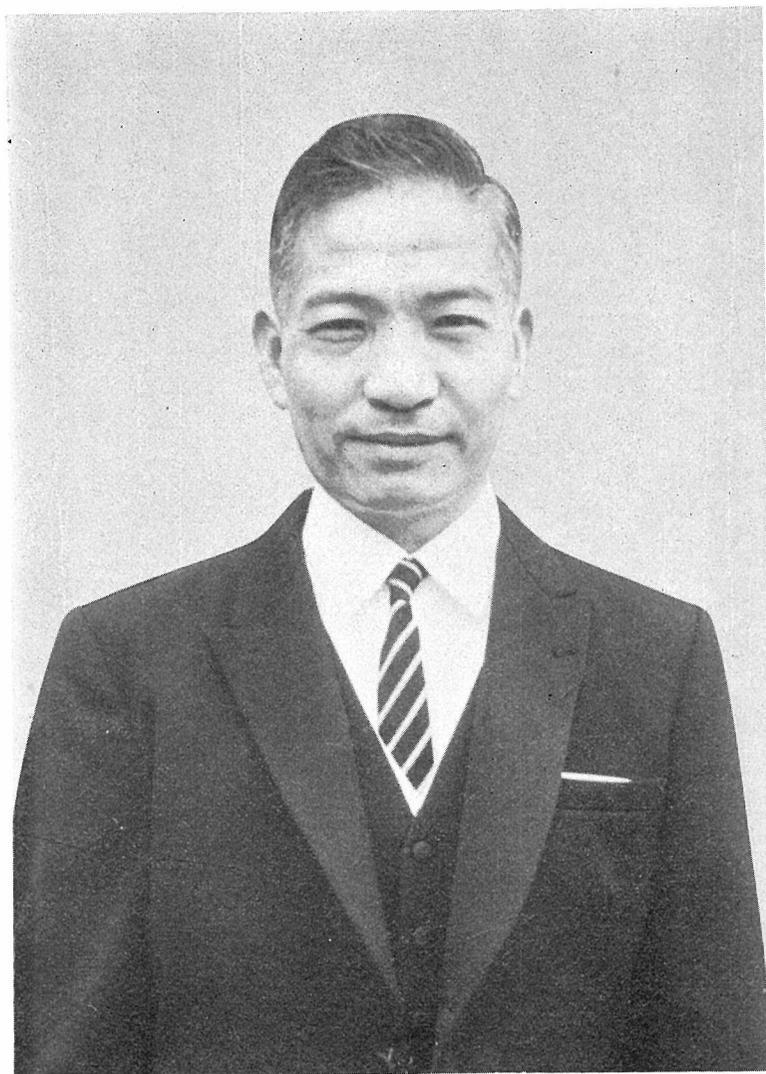
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故 植 村 吉 明 教 授

Professor Dr. Y. UEMURA

1912-1973

The Late Professor Yoshiaki UEMURA

To our regret, Professor Dr. Yoshiaki Uemura died unexpectedly on May 20, 1973.

Dr. Uemura was born on January 28, 1912, in a small village in Hyogo Prefecture. He soon moved to Taiwan with his family and was educated there. He finished technical high school in Taipei in 1929 and took a post in Taihoku Imperial University. His life work in nuclear physics began in the laboratory of the late Professor Bunsaku Arakatsu. The era of nuclear physics was being born at about the time he joined the laboratory. The staff members of the Arakatsu laboratory worked hard to construct a 200 KV ion accelerator and succeeded in observing the artificial transmutation of light nuclei, just after the "annus mirabilis" of nuclear physics, 1932. It was an epoch making experiment and Dr. Uemura became one of the founders of nuclear physics in Japan.

Dr. Uemura changed his post to Kyoto University in 1936 and was appointed a research assistant in October, 1939 and joined the Arakatsu laboratory of the Institute for Chemical Research, Kyoto University, where he became a lecturer in April, 1948 and an assistant professor in August, 1952. In July, 1951, he received a D. Sc. from Kyoto University for his study on the absorption of 17 MeV and 6.1 MeV gamma-rays by several elements. During these years, collaborating with other members of the Arakatsu laboratory, he constructed a 600 KV Cockcroft-Walton type accelerator and studied photo nuclear reactions by using monochromatic gamma-rays produced by this accelerator.

Since 1952, he had devoted himself to the design and construction of the Kyoto University Cyclotron. This cyclotron worked exceedingly well from the beginning of 1956 until 1970 when it was shut down to be remodeled. During these fourteen years, he was concerned with the development of instrumentation for nuclear physics. He was especially interested in the vacuum technology. His constant efforts in the development of vacuum technology influenced other nuclear physics laboratories where high vacuum was needed to operate an accelerator under good conditions. Concurrently, he was engaged in helping and supervising the dissertations of graduate students in nuclear physics.

From 1970 on, he was again in charge of the improvement of the Kyoto University Cyclotron. Thanks to his good ideas and thoughtful design, the cyclotron improvement was completed successfully.

In May, 1973, he was promoted to a full professor and he was willing to accept the important responsibility of head of the Nuclear Science Research Facility. Unfortunately, sudden illness attacked him and we have lost him forever.

Professor Uemura was a man of will and of a warm personality. He was liked by every person who was acquainted with him. He had a strong sense of responsibility and was trusted by his old and young friends. We, his friends, are greatly indebted to him for his self-sacrificing life.

This collection of papers by his colleagues, former and present associates, and students, is dedicated to Dr. Uemura in mourning and in acknowledgment of his warm guidance.

January, 1974

A handwritten signature in black ink, reading "E. Suito". The signature is written in a cursive style with a long horizontal stroke at the end.

Eiji Suito
Director
Institute for Chemical Research
Kyoto University

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