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Professor Tohru Takenaka
On the Occasion of His Retirement*

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April, 1993	—	10 Jahre Institut für chemische Forschung (化学研究所創立十周年記念号)	—
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Nov., 1966	44 No.6	Special Issue of the Commemoration of the Fortieth Anniversary (化学研究所創立四十周年記念号)	—
Nov., 1976	54 No.6	Special Issue of the Commemoration of the Fiftieth Anniversary (化学研究所創立五十周年記念号)	—



竹 中 亨 教授

Professor Dr. Tohru Takenaka

Emeritus Professor Tohru Takenaka

On the 31st of March, 1993, Dr. Tohru Takenaka, Head of the Research Division I of Interface Science of the Institute for Chemical Research, Kyoto University, retired after forty years of service to the University and was honored with title of Emeritus Professor of Kyoto University on the following day.

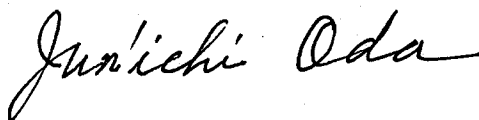
Dr. Takenaka was born in Okayama on 20th of July, 1929. Graduating from Hiroshima University of Literature and Science in March 1952, with his major in physics, he continued his studies on infrared spectroscopy as a graduate student at the Department of Physics, Kyoto University. He was appointed an instructor of the Institute for Chemical Research, under the supervision of Emeritus Professor R. Gotoh, Kyoto University on 1st May, 1953. After having received a doctoral degree from Kyoto University, he made a leave stay at the Department of Chemistry, the University of East Anglia from 1966 to 1967, and worked on infrared spectroscopy of adsorbed molecules in cooperation with professor N. Shepard. Dr. Takenaka was appointed associate professor in 1967 and full professor in 1971 to direct the Division I of Interface Science in the Institute.

Dr. Takenaka's professional career covers a wide range of interface phenomena, vibrational spectroscopy of organic thin films, and relation between molecular structure and physical property in the films. Dr. Takenaka is also widely recognized for his pioneering studies of spread monolayers on water and Langmuir-Brogett films on various kinds of solid substrates.

He gave lectures on advances in vibrational spectroscopy of thin films at the Graduate School of Science, Kyoto University, and supervised the dissertation work of a large number of graduate students. He also provided lectures on physical chemistry and interface science as visiting professor at several universities.

The sincere and warm personarity of Dr. Takenaka has won him the respect of his friends, colleagues, and students. The collection of papers is dedicated to him to honour his long period of service on his retirement.

May, 1993



Jun'ichi Oda
Director
Institute for Chemical Research
Kyoto University

PROFESSOR TOHRU TAKENAKA - AN APPRECIATION

On the occasion of the appointment of Professor Tohru Takenaka as Emeritus Professor of Kyoto University, following his retirement after a most distinguished career of 41 years at Kyoto University, my wife and I wish to recall with much pleasure our friendship of long standing.

I remember our first meeting, the summer of 1962, during the memorable Molecular Spectroscopy Conference in Tokyo. It was a most successful Conference, both for scientific stimulates and for the invaluable social contacts it provided with outstanding Japanese scientists. If I recall correctly, Dr. Takenaka in collaboration with Dr. Rempei Gotoh gave two papers describing extensive research on the effects of polar groups on the C-H stretching vibrations of alkyl chains. It so happen that at the same time my research group at the National Research Council of Canada was also deeply involved with infrared spectra of alkyl chains, which we selectively deuterated at specific methyl or methylene groups. This began our long and continuing research association.

It is appropriate to note here, that the 1962 Conference, organized under the Chairmanship of Professor Sanichiro Mizushima has become a milestone in the history of molecular spectroscopy. It was the first truly international scientific conference in Japan following World War II. It brought together the world leaders in the field, also, from Japanese perspective, it provided for the initiation of a new generation of young Japanese spectroscopists, who subsequently became eminent on the world stage. Professor Tohru Takenaka is among these. On many subsequent occasions (1969, 1972, 1976, 1979-82, 1985-86) when we were in Japan, Professor Takenaka extended to us warm hospitality. Our visits with Professor Takenaka were not only for scientific discussions and exchanges of ideas, but also provided us with the opportunity to appreciate Japanese family values and to become acquainted with Japanese social customs and traditions. It was a pleasure for us to reciprocate during the summer of 1977, when Professor and Mrs. Takenaka spent several months in Ottawa as a Visiting Scientist with my research group at the National Research Council of Canada.

On our numerous visits to Professor Takenaka's laboratory at the Institute of Chemical Research, Uji Campus of Kyoto University, I found it most stimulating to take part in the Seminars, which were organized by Professor Takenaka's group. From these Seminars I was able to catch a glimpse of the warm and stimulating leadership he gave to his students and co-workers.

I have every confidence that in his new position as Professor Emeritus at Kyoto University and as Professor of Chemistry at Okayama Science University, Professor Takenaka will continue to display this tradition of leadership for the benefit of many more young scientists and that his research interests will continue to prosper.

My wife and I want to extend our very best wishes to Professor and Mrs. Takenaka for many happy and healthy years to enjoy the new life-style on which they are now embarking.

February 22nd, 1993



Dr. R. Norman Jones
Guest Scientist
Department of Chemistry
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