



Professor Yasuhiro Nakazawa
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Toyonaka, Osaka 560-0043, Japan

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Dear Professor Nakazawa:

It is with great pleasure I wish to thank you for the opportunity we had to visit the Toyonaka Campus of Osaka University from October through December of 2016 as a visiting professor. My wife Julie, youngest daughter Abby, and I enjoyed our stay immensely and have many great memories of our visit to Japan and our travels to many of Japan's important cultural sites. Your hospitality and generosity were greatly appreciated and will always be remembered.

The purpose of the visit was to teach a concentrated course on chemical thermodynamics to graduate students from all the science disciplines. I used the text, *Chemical Thermodynamics: An Introduction* by Rex Goates and Bevan Ott as a text for the students and then covered the laws of thermodynamics, derived all of the fundamental thermodynamic equations, and then used those equations to develop the Clausius and Clausius-Clapyeron equations for phase equilibrium and activities and equilibrium thermodynamics for reactions. The course was rigorous and mathematically based but at a level appropriate for our undergraduate chemistry majors at Brigham Young University.

A secondary reason for the visit was to also expose the graduate students to English from a native speaker and to typical U.S. teaching methods. While some students certainly struggled with the material, I believe it was a good experience and will better prepare the graduate students for their science careers. I certainly enjoyed teaching the class and was able to convey some of the historical aspects of the development of chemical thermodynamics and the important achievements of many of the pioneers who have now since left us.

Thanks again for your hospitality and your kindness during our stay. We enjoyed our experience very much and look forward to a visit to Japan again in the near future.

Sincerely,

Brian F. Woodfield
Professor of Chemistry