

PREFACE

In March, 1982 one of us (S.O.) received a letter from A.L. Copley, in which he wrote: "I have been informed that our dear friend Professor Bun'ichi Tamamushi will be 85 on October 18, 1983. I would like very much that we honor our friend with a special issue of BIORHEOLOGY. It would be particularly gratifying if a number of biorheologists in Japan would contribute to such an issue. Of course, we would like to ask others outside of Japan to contribute as well. Would it be possible for you and Eiichi Fukada and perhaps someone else to form a committee and write invitations on behalf of the Journal of which you both are Editors so that we can present our dear friend with such a special issue. Please let me know what you think about this idea."

Fukada and I immediately talked over this matter in order to carry out a plan along the lines of Copley's idea. Invitations were then sent to a number of biorheologists in Japan and abroad asking them to contribute to the special issue dedicated to Bun'ichi Tamamushi.

It was with real personal sorrow that we read in the newspapers of the death of our friend Bun'ichi Tamamushi on July 26, 1982 by heart attack on an evening walk near his villa in Kita-Karuizawa. It is a pity that the special issue has to appear as a Memorial Volume. His passing away is a real loss to the sciences of rheology and biorheology.

Bun'ichi Tamamushi was an eminent scholar in colloid chemistry and won the Wo. Ostwald Award for 1975. He was among the first to recognize the importance of rheology, and he studied rheological properties of suspensions such as thixotropy long ago. The Rheology Symposium in our country was first organized by him in 1951.

Bun'ichi Tamamushi was much interested in biorheology and has been a member of the Honorary Editorial Advisory Board of our Jour-

nal since 1962. He was invited to give the Convocation Address "From Colloidal Science to Biorheology: A Historical Reminiscence" at the Third International Congress of Biorheology, August 1978, in La Jolla, California (B-5).

It is our great pleasure to present seventeen contributions from Japan, two from France, three from U.S.A., one from Israel and one from F.R. Germany.

We thank Dr. Makoto Kaibara for his kind assistance in editing this issue.

Syoten Oka Eiichi Fukada
Editors

MAIN PUBLICATIONS OF THE LATE PROFESSOR B. TAMAMUSHI

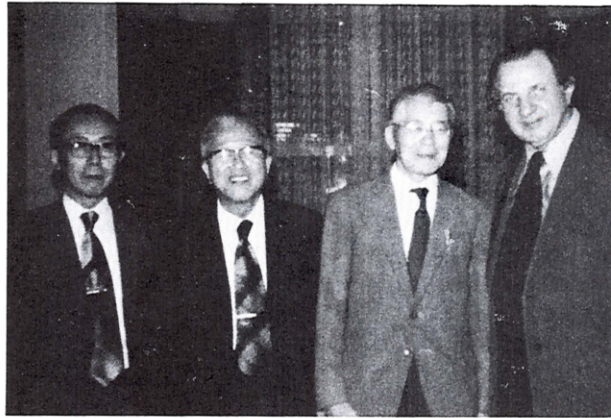
Publications pertaining to rheology (A)

1. Ueber die Thixotropie von Bienenwachs-Suspensionen. Kolloid-Zeitschr. 76, 171, 1936.
2. Ueber die Thixotropie von Japanischen Wasserstoffton-Suspensionen. Kolloid-Zeitschr. 79, 309, 1937.
3. Zur Kenntnis des Aufbaues thixotroper Systeme. Bull. Chem. Soc. Japan 13, 234, 1938.
4. The Thixotropic and Plastic Behaviour of Suspensions of Barium Sulphate with Clay. Bull. Chem. Soc. Japan 13, 556, 1938.
5. Ueber den Einfluß von einem polaren Stoff auf das Verhalten grob disperser Teilchen in apolaren organischen Flüssigkeiten. Bull. Chem. Soc. Japan 17, 43, 1942.
6. Ueber die Thixotropie und Rheopexie von Paraffin-Suspensionen. Bull. Chem. Soc. Japan 17, 38, 1942.
7. Physico-chemical Properties of the Japanese Clay Minerals: The Properties of the Sericite. Sci. Pap. Coll. Gen. Education, Univ. Tokyo 4, 35, 1954.
8. Flow Properties of Sericite Suspension. J. Soc. Materials Sci. Japan 9, 123, 1960.

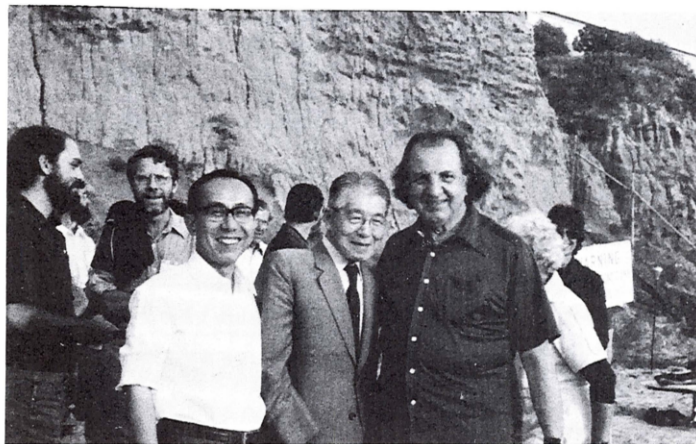
Publications pertaining to biorheology (B)

1. Critical Remarks on the Applicability of Equations, of Casson and Goodeve, for Flow Characteristics of Suspensions and Emulsions. J. Soc. Materials Sci. Japan 17, 352, 1968.
2. Empirical Relations and Structural Models for Blood. Biorheology 6, 235, 1970.

3. Surface Chemical Aspects of Flow Characteristics of Blood. In: Theoretical and Clinical Hemorheology (ed. H. E. Hartert and A. L. Copley), Springer, Berlin. Heidelberg. New York, 1971, p.99.
4. Flow Properties of Smectic Liquid Crystals. Biorheology 10, 239, 1973; Rheol. Acta 13, 247, 1973.
5. From Colloid Science to Biorheology: A Historical Reminiscence, Biorheology 15, 367, 1978.
6. Liquid Crystalline Structures in Relation to Biorheological Phenomena. Biorheology 18, 667, 1981.



Bun'ichi Tamamushi with Eiichi Fukada, Syoten Oka and Alfred L. Copley. 13 September 1976, Tokyo, Japan.



Bun'ichi Tamamushi with Eiichi Fukada (left) and Alfred L. Copley (right) at an outing during the 3. International Congress of Biorheology, La Jolla, California, USA, August/September 1978.



Bun'ichi Tamamushi with Alfred L. Copley (sitting), standing behind from left to right: Eiichi Fukada, Syoten Oka, Hellmut Hartert, Alex Silberberg, Mrs. Bert Fung, Mrs. Alex Silberberg and Y.C.B. Fung. This photo was taken at the Gakushi Kaikan in the evening of 27 July 1981 after the Opening Ceremony of the 4. International Congress of Biorheology.