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FIFTH INTERNATIONAL CONGRESS ON RHEOLOGY

Kyoto International Confererence Hall, Kyoto, JAPAN

Monday, October 7–Friday, October 11, 1968

BIORHEOLOGY SESSIONS

October 8. *Afternoon.*

1. GEORGE BUGLIARELLO: Model studies of the hydrodynamics characteristics of the Erythrocyte and of the Erythrocyte-Wall interaction.
2. TIN-KAN HUNG: Vortices in pulastile flows.
3. TIN-KAN HUNG: A computer simulation of unsteady circulatory motion of non-Newtonian fluids.
4. *L. DINTENFASS: Microrheology of human blood in health and disease.
5. YUKIHIDE ISOGAI, KENJI ICHIBA, AKIRA IIDA and HIDEYO NAGAOKA: On the interrelation between blood viscosity and the erythrocyte sedimentation rate.
6. KENSUKA BABA and SHOZO ISHIZAKA: The rotatory relaxation of fibrinogen in mucopolysaccharide solution detected by fluorescence-depolarization.
7. S. OKA and T. MURATA: Theory of the steady flow of blood in a tapered tube and in an assembly of branching tubes.

October 9. *Morning.*

1. YASUYOSI NISIMARU: Body fluid flow in tissue spaces.
2. EIICHI FUKADA, MUNEHIRO DATE and MAKOTO KAIBARA: The dynamic viscoelasticity of blood during coagulation.
3. *A. L. COPLEY: Some problems in hemorheology.
4. MATSUZO MATSUOKA: Intravascular coagulation syndrome.
5. T. AZUMA, M. HASEGAWA and T. MATSUDA: Rheological properties of large arteries.
6. M. I. GREGERSEN, S. USAMI, C. A. BRYANT, S. CHIEN and V. MAGAZINOVIC: Rheological significance of species differences in erythrocyte deformity.
7. S. USAMI, S. CHIEN and M. I. GREGERSEN: Viscometric behavior of hardened erythrocytes in relation to deformity and size.

October 9. *Afternoon.*

1. *M. JOLY: Study of Macromolecular deformation by Surface Viscometry.
2. YOSHIRO NISHIDA: Circulatory role of protoplasmic streaming in cells.
3. E. YOKOMURA, N. ITOH, and S. SENO: Mechanism of phagocytosis: Ingestion of solid particles by Macrophage.
4. HIDENOBU MASHIMA: The stiffness change and the activation process during muscle twitch.
5. HEIICHI UCHIYAMA and TAKESHI NEGISHI: Rheological understanding of inner-ear acoustic fatigue and trauma.
6. SHIGERU NAGAOKA and YOSHIHIKO FUKUSHIMA: Rheological properties of sputum.
7. YUKIO MURAKAMI: Simultaneous determination of viscosity and surface tension of several biological liquids by Adachi's "Capillary Fall" method.

* Invited papers.

Related papers:

*1. S. G. MASON: The kinetics of flowing dispersions in non-Newtonian media.
2. M TAKANO and S. G. MASON: Pulsatile flow of suspensions through tubes.
3. L. DINTENFASS: Thixotropy in complex suspensions and the thixotropic recovery time.