



# Foreign Report

IHAR Tenth Symposium of the International Association for Hydraulic Research (IAHR), Section on Hydraulic Machinery, Equipment and Cavitation was held in Tokyo from September 28 to October 2, 1980. There were 116 overseas participants from 21 countries along with 180 participants from Japan. The academic part of the symposium consisted of three general lectures and 16 technical sessions where 61 technical papers were presented. No sessions were scheduled in parallel so that everybody could attend all sessions if they wished to do so. In each session the co-chairman summarized the papers in the session and each author made a short supplementary speech. Then active discussions followed.

The breakdown of the papers presented was as follows: Twenty-four papers were related to cavitation, out of which 14 papers handled basic cavitation problems and cavitating flow, and the remaining 10 papers dealt with cavitation of hydrofoils and pumps. Fourteen dealt with flow in pumps which included three papers for flow in volute casing and 11

papers for flow in impellers. There were 11 papers dealing with hydraulic turbines, among which there were 6 papers on Francis-type, 2 papers on Kaplan and Axial-flow type, and one paper each on Pelton, Deriaz-type and Balb type. There were 12 papers which dealt with the operation of hydraulic power plants including four papers on vibration and surging of the system. Among the 23 papers related to hydraulic turbines and hydraulic power plant mentioned above, and about one half of them dealt with pump turbines.

All 61 papers are bounded in Volume 1 of the proceedings. The summary reports made by the co-chairmen, and the supplementary notes delivered by each author will be published in Volume 2 together with the texts of the three general lectures. For information concerning purchasing of proceedings, write to: Turbomachinery Society of Japan, 3-18, Nishikanda 2-chrome, Chiyodaku, Tokyo 101, Japan.

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