

NEWS

- * Assoc. Prof. T. Okada visited to the Union of Burma from Jan. 14th to 31st to investigate the earthquake damage in 1970 Rangoon Earthquake and to survey the present status on Earthquake Engineering and Seismology, as an OTCA expert under COLOMBO Plan.
- * Mr. S. Morichi have been to the Department of Structural Engineering of the Milan Polytechnic Institute and the Experimental Institute for Models and Structures (ISMES) of Bergamo, where he attended to the Fourth International Post-Graduate Course on Earthquake Engineering from February 1st to June 30th, 1971.

*First International Conference on Structural Mechanics in Reactor Technology

This conference was held in Berlin, from September 20 to 24, 1971. About 600 people got together to discuss the structural problems in nuclear reactor technology. Professors Shibata and Sato attended at the conference and presented the following papers at Division K Seismic Response Analysis of Nuclear Power Plant Systems.

K 1/3 Philosophy and Practice of the Seismic Design of Nuclear Power Plants: Summary of the Guidelines in Japan, by K. Akino, H. Sato, H. Shibata, H. Tajimi and other four authors.

K 3/2 The Response Spectrum Analysis to an Artificial Earthquake with Two Ground Predominant Periods, by H. Sato

K 4/1 Development of Aseismic Design of Pippings, Vessels and Equipments in Nuclear Facilities, by H. Shibata, A. Watari, H. Sato, N. Shimizu and five authors.

Both K 1/3 and K 4/1 were invited, and Professor Shibata took the chairmanship at Session K 1.

*Fourth U.N. International Conference on the Peaceful Uses of Atomic Energy

This conference was held in Geneva from September 6 to 16, 1971. Only two papers were related in the aseismic design of a nuclear reactor. One of them was presented by Professor Shibata at Session A9: Reactor Safety. The title of the paper is: The State of Arts in Aseismic Design of Nuclear Power Plants in Japan. The co-authors are Professors T. Udoguchi and Y. Ohsaki, the school of engineering of the University of Tokyo.

* Survey on the San Fernando Earthquake

This earthquake was shaken in the early morning (06:00, 40s) of February 9, 1971 at the Northwestern part of Los Angeles City, California, U. S. A. Professor Shibata made his survey mainly on the damages of the industrial firms and the urban facilities as a member of the Survey Party of the Tokyo Metropolitan Government at the end of February. Also Professors Kubo and Tamura made their survey on the damages of the highway bridges, the dams and underground pipings as members of the Survey Party of the Japanese Society of Civil Engineers. Those of underground pipings very much interested many Japanese, especially in the relation of oil pipings to them.

* Project of the Institute of Industrial Science "Defense System of Urban Function from Environmental Disturbances"

Most of ERS members join to this project. This project consists of three groups. The first group studies on "Strength of Earthquake-resistant Structures of Urban Facilities", and this group is organized by ERS group mainly. Most of their efforts have been concentrated to equip a 20 ton dynamic hydro-actuator and a testing-bed through the financial year of 1971. Professor Kubo and his group also analyzed the damages of the underground pipings in Fukui City to 1948 Earthquake in relation to soil conditions of the city area.

MEETINGS OF ERS OF FISCAL YEAR 1970

7th Meeting (Nov. 10)

Prof. M. Hakuno talked about "The Features of the Damages by Peru Earthquake (31, May 1970)".

8th Meeting (Dec. 1)

Prof. C. Tamura talked about "The Features of the Damages by Akita-inland Earthquake in Japan".

9th Meeting (Feb. 2)

Prof. K. Takanashi introduced some papers on the behavior of reinforced concrete under an earthquake motion in Proc. of the 3rd Japan Earthquake Engineering Symposium.

MEETING OF ERS OF FISCAL YEAR 1971

1st Meeting (May 11)

They talked with publishing of Bulletin of ERS and exhibitions of ERS group at the open days of Institute of Industrial Science.

2nd Meeting (June 22)

Prof. H. Tajimi talked about "The Theory on the Dissipation Damping of Building".

3rd Meeting (July 30)

Prof. C. Tamura talked about "Earthquake Observation on a Trench Type Subaqueous Tunnel" and showed the slides of the experiment on the above theme.

4th Meeting (Nov. 10)

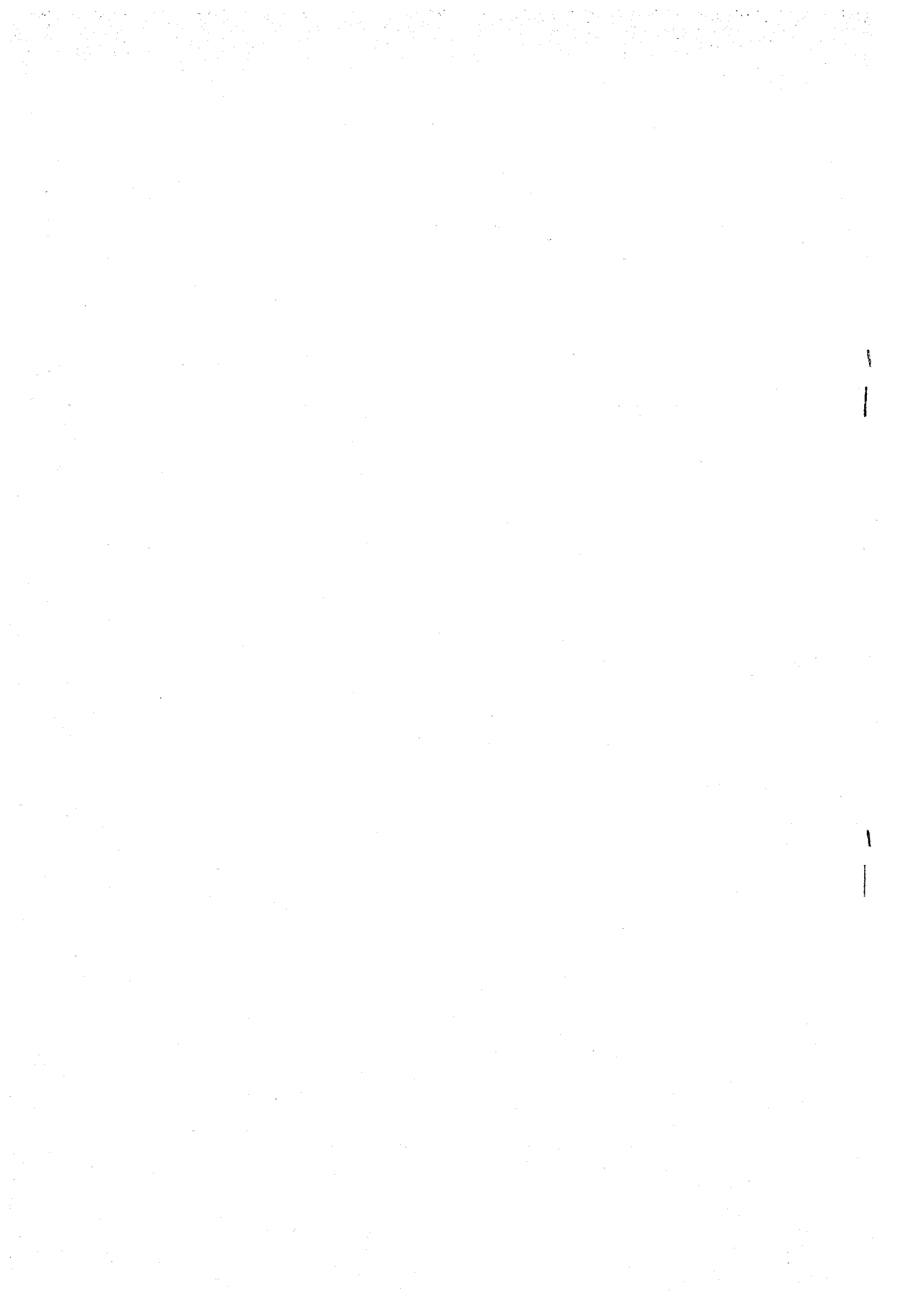
Prof. K. Kubo talked about "Dynamic Responses of Pier Subjected to Earthquakes".

5th Meeting (Dec. 17)

Prof. T. Katayama talked about "A Note on the Acceleration Ratio Spectrum of Seventy Japanese Strong-Motion Earthquake Records".

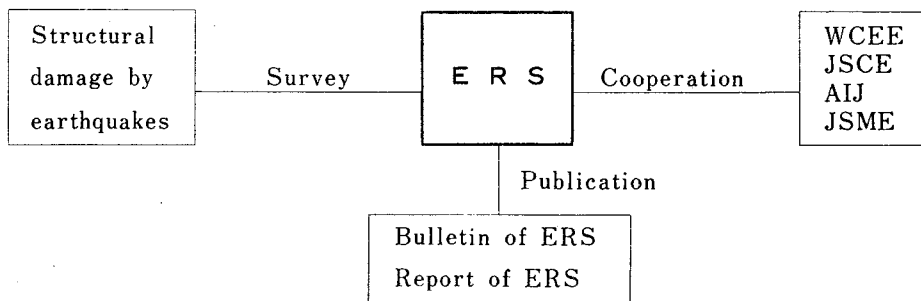
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Earthquake Resistant Structure Research Center (ERS) is an organization for cooperation of researchers in the various branches of structural engineering in the Institute of Industrial Science, University of Tokyo. Its activities concern with fundamentals of the earthquake resistant structure and specific items in the fields of civil, structural and mechanical engineering.

Activities of ERS



- WCEE : The World Conference of Earthquake Engineering
- JSCE : The Japan Society of Civil Engineers
- AIJ : The Architectural Institute of Japan
- JSME : The Japan Society of Mechanical Engineers