

NEWS

Prof. K. Kubo has been to Institute of Seismology and Earthquake Engineering and Town Planning, Skopje University, Jugoslavia, as an UNESCO expert, where he lectured on the earthquake-resistant design of civil engineering structures for three months, this year as he went last year.

The strong earthquake 7.5 in Magnitude took place in the central coast of Peru on 31, May 1970 and thirty or fifty thousands people were killed. Prof. M. Hakuno joined the survey team sent by the Japanese Government and have been in Peru from 20 June to 16 September.

The features of the damage can be summarized as follows,

- i) Damage of houses are divided into two types, the one is due to the collapse of the foundation ground, for instance, the liquefaction of the ground, the second type is due to the extreme weakness of "Adbe" construction.
- ii) The large scale landslide increase the lost of lives of people and the damage of many kinds of structures, (please refer to the photograph).

This photograph shows the trace of the big landslide taken place at Yungay which is a city located in the Andes and its population is around 25,000. Landslide starts from the left part of the top of the mountain covered by ice and flows down approximately 3,000 m in difference of Altitude, more than 200 km/hour in speed.



US-Japan Seminar on Earthquake Engineering with Emphasis on the Safety of School Buildings was held at Sendai from September 20th to 23rd. Prof. Tsuboi, Prof. Osawa and Assoc. Prof. Okada attended it. After the seminar, participants visited to Hachinohe and Hakodate City where several reinforced concrete buildings were damaged in '68 Tokachi-Oki Earthquake.

Professors S. Okamoto and C. Tamura visited to the southern part of Akita Pref. in northern part of Japan in order to survey the damages due to the earthquake (originated Sept. 16, 1970, M=6.5). The photo shows the damage at the primary school due to the earthquake in the hypocentral area.



The Japan Electric Association published "The Technical Guidelines for Aseismic Design of Nuclear Power Plants" on Oct. 20, 1970. Prof. Tajimi, Dr. Akino, Prof's Shibata and Sato joined to the working group of the committee. Prof. Tajimi wrote the section on the determination of design ground motion of earthquake, Dr. Akino did on the aseismic design of buildings and structures, Prof's Shibata and Sato did on the aseismic design of equipment and piping system. Prof. Okamoto and the four of above were the members of the drafting committee of them.

MEETINGS OF ERS OF FISCAL YEAR 1969

6th Meeting (December 5)

Two papers

Tomii and Takeuchi: The Relations between the Deformed Angle and the Shearing Force Ratio (0.80 - 1.00) with Regard to 200 Shear Walls

Hakuno and Shidawara: Dynamic "Force-Displacement" Relations of Cantilever Test Piece Applied by Earthquake Type External Force are introduced by Prof. Kawamata and Assistant Suzuki respectively.

7th Meeting (January 9)

Two papers

Goto and Kameda: A Statistical Study of the Maximum Ground Motion in Strong Earthquakes

Kobori et. al.: Earthquake Responses of a Frame Structure Having Elasto-Plastic Joints-Effect of Elastic Limit Strength Distribution of Structural Members on their Responses are introduced by Professors H. Shibata and H. Tajimi respectively.