

土木學會誌

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1-CHOME, YOTSUYA, SHINJUKU-KU, TOKYO, JAPAN

SYNOPSIS

**THE PRESENT CONDITION OF THE RUPTURE AT
OSAWA OF MT. FUJI AND ITS COUNTERMEASURE**

BY T. OGAWA (Page 4)

The present paper explains the structure of Mt. Fuji geologically, comments on the condition of rupture in the Osawa zone and describes its countermeasure.

DESIGN OF STRUCTURES FOR NEW TOKAIDO LINE

BY M. KONO, C.E. MEMBER (Page 19)

Of the construction work of the New Tokaido line which covers the distance of 515 km between Tokyo and Osaka in three hours, the standard of design of the civil engineering structures and the problematical points in the design are mainly described in the present paper.

POLDER LEVEE IN TOKYO

BY S. SEKIGUCHI, C.E. MEMBER (Page 16)

Koto District of Tokyo has been growing as a center of Keiyo Industrial zone. This district has a merit of good hinterland and ship-service, but on the other hand there is a bitter menace due to flood and high tide, and besides it is now still suffering from serious ground settlement. Not only from the humane, but economical viewpoint, it is very important to make this area free from the dangers due to water, because Koto District, which is one of the most famous industrial zones in Japan, has one million of populations in the daytime and 500 billions yen of products.

This is the reason why we dare to construct the polder levee (Gaikaku Teibo) in spite of tremendous expenditure.

This paper describes real Koto especially concerning the ground settlement and the damages caused by water in the past, and also how the project of Gaikaku Teibo has developed into execution.

**MAJOR POINTS OF CONSTRUCTION WORK OF
AGE-KAWA POWER PLANT**

BY Y. MATSUDA AND T. NAKANO, C.E. MEMBER (Page 22)

The present paper reports the pneumatic caisson work for the foundation of floating dam, a specific feature of the power plant construction, the coffering work of the Agano main river, the design and discussion on the basis of the model test for the prevention of souring of dam apron and the design of head race tunnel among the construction work of the Age-Kawa power plant, which Tohoku Electric Power Co., Inc. is now constructing.

MAJOR POINTS OF SEWERAGE WORK IN NAGOYA CITY

BY S. MATSUMI AND K. YONEDA, C.E. MEMBER (Page 33)

The present paper deals with the existing condition of sewerage work of Nagoya City which is one of the six big cities in Japan and holds a population of 1.7 million, and also the project of its expansion and further it discusses in details the various problems concerning the execution of work.