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広 告

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SYNOPSIS

**CORRELATION BETWEEN ARCHITECTURE AND PUBLIC WORK
FROM THE STAND POINT OF FORMATIVE ART**
BY G. YAMAMOTO (PAGE 2)

In the present paper the author discusses how the architecture and public work have been historically specialized, and pointing out the points common to and different between them, comments on the structure in public work aesthetically from the stand point of an architect.

WHAT IS THE CIVIL ENGINEERING ?
BY DR. ENG., Y. SATO, C.E. MEMBER (PAGE 6)

The present paper describes the studies on the problematical points the civil engineering encounters, the analysis of the contents of civil engineering as a system of learning, the process in which the civil engineering has been minutely differentiated and its future development etc. and the present writer anxiously expects to hear many discussions concerning the foregoing from those who belong to each branch of civil engineering.

**EXPERIMENTAL WORK CONCERNING THE CONSTRUCTION
OF MAYA PIER IN KOBE HARBOR**
BY T. TOMO, C.E. MEMBER (PAGE 10)

The present paper describes (1) The vacuum settling method of breakwater on a soft and weak ground, (2) the measuring of earth pressure regarding the revetment of P C pipe system and (3) the sampling of sand at a great depth by means of a jet pump, all of which were conducted as an experimental work prior to the construction of Maya pier which is a representative harbor work in Japan.

**ON THE CONSTRUCTION WORK OF "NO. 1 DOCK",
KAWASAKI HEAVY INDUSTRY CO.**
*BY Y. KONO, C.E. MEMBER, M. SAITO, C.E. MEMBER, M. INOUE,
K. TATARA, AND M. KOMATSU, C.E. MEMBER (PAGE 17)*

This is a report on the construction work of "No. 1 Dock" in Ikuta district in Kobe, executed for the purpose of extension for the existing dock.

The features consist in the extension of prescut dock, which was constructed 65 years ago with great difficulty.

Accordingly, the present paper deals with the problems of investigation, design and construction method.

Stress analysis of caisson used as an entrance wall has been also studied in course of construction work.

**EXCAVATION AT ESPECIALLY SOFT AND WEAK GROUND
AND LONG DISTANCE CONVEYANCE OF SOIL BY PUMP**
*BY S. MORI, G. KAWAGUCHI, C.E. MEMBER, AND K. TOKUDA,
C.E. MEMBER (PAGE 25)*

We are dredging the River Shin and the River Hanami, as a part of the reclamation works of the Imba-Swamp. To excavate such soft ground as in this district, a heavy duty equipment like a power shovel is not proper. Therefore, we arranged a sand dredger, and 8 booster pumps at every 1300 m of the total distance of 11.5km, connecting them with each other by 14 inches steel-pipes. Using these arrangement, we are dredging and transporting about 1300 000 m³ of earth. The present paper is an interim report of the execution of the work which is still progressing.

RE-EXAMINATION OF CITY DRAINAGE FACILITIES
*BY DR. ENG., I. KONDO, C.E. MEMBER,
T. NACHI, C.E. MEMBER (PAGE 33)*

The present paper describes the condition of ground settlement in the sea-side city due to the excess consumption of ground-water with City of Osaka as an actual example, stresses the necessity of re-examination of city drainage facilities and gives a consideration to what the city drainage system should be in the district where the ground is settling.