

土木學會誌

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昭和 39 年 6 月

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口 絵 写 真

わが国最大の洪水吐——池原発電所

大阪北の玄関口・十三バイパス

役割りの大きい第二阪神国道

すすむ臨海用地造成工事

千里山ニュータウン

名神高速道路 栗東一関ヶ原開通

放射 4 号線完成

東京国際空港拡張整備工事完了

故 名誉員 第 27 代会長 八田嘉明氏をしのぶ

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SYNOPSIS

PRESENT ASPECT AND FUTURE OF KINKI DISTRICT

BY KANSAI BRNCH OF J.S.C.E. (Page 10)

The Kinki district had been the central zone of Japan for a long time until medieval ages as well known through history, and even now this district is outstanding in the current economy such as industrial production and commerce trade in western Japan and makes one of the pair of wheels with Kanto district. In this district various civil engineering works are being conducted as the base of Mei-Shin expressway and the new Tokaido line.

In this connection the present paper analyzes the present and future of this Kinki district from the standpoints of I. Rearrangement plan of Kinki area, II. Land development, III. Countermeasure for traffic, IV. Preservation and development of water resources.

DYNAMICS OF SUSPENSIONS IN SHEAR FLOWS

BY J. W. DAILY (Page 42)

The present article presents a general perspective of the dynamics of suspensions.

A lecture was delivered by the author, Dr. Daily, Professor of Hydraulics at the Massachusetts Institute of Technology, on the same subject on the occasion of his visit to Japan, at the conference held on August 24, 1962, under the auspices of the Japan Society of Civil Engineers.

This article is partly the description of that lecture, but it has also been supplemented with more information obtained since then and re-evaluation of earlier data.

COMPARATIVE STUDIES AND PERSPECTIVES FOR THE FUTURE ON THE UTILIZATION OF STEEL AND CEMENT-CONCRETE AS CONSTRUCTION MATERIALS

BY K. FUJITA (Page 48)

The author compares the two different materials, steel and cement-concrete.

He deals with mainly the recent progress of the modern concrete engineerings, but he does not fail to mention about the recent development of steel utilizations too, and then he talks discusses perspectives on principal roles of these two kinds of materials in the future.

He has concluded that the combined use of steel and cement-concrete will become more and more interesting.

RECENT SUBWAY CONSTRUCTION METHOD AND ITS REVIEW

BY K. IWAMURA (Page 55)

The present paper, taking the subway construction work now in progress in Osaka as an example, describes many work methods such as open-cut methods, caisson methods, winter freeing compacting method, open caisson method, floating caisson method, I.C.O.S. method, single track-shield method, double-track shield method and so on and its future prospect.
