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JOURNAL OF THE JAPAN SOCIETY OF CIVIL ENGINEERS

Vol. 50, No. 2, Feb. 1965

SYNOPSIS

SPECIAL ISSUE ON MARITIME WORK

Japan encircled by the sea has a very deep concern with the sea.

The presented issue has been edited in order to investigate why the work on the sea which endlessly expands as if it held an unlimited resources, has been hitherto left intact and how to utilize the sea in future.

The contents are as follows:

PROBLEMATICAL POINTS OF HARBOR TECHNIQUE..................... By R. Yamamoto (page 7) The problematical points which the harbor technique faces are studied from a few angles such as planning, design and execution and it is mentioned that the co-operation of civil engineering with other engineering departments is necessary to solve the problematical points.

TOPIC ON THE SEA (ROUND-TABLE TALK)(page 8)

Regarding the construction work that intrudes into the sea, the topic was concentrated on up to what depth of the sea man is going to handle and utilize against the natural obstacles such as wave, tide, salinity, current and wind, when the experts of respective fields gettogether. The contents of their discussion are herewith introduced.

BREAKWATER ON LARGE SCALE......By Y. Nagao (page 15)

Recently breakwater on large scale is planned and executed in every place.

The present paper describes the cause of the construction of such large scale breakwater, the example of execution and the problematical points left open for future study.

RECENT METHOD OF UTILIZATION OF THE SURFACE OF THE SEA

..... By Y. Takeuchi (page 26)

Most of principal cities in Japan are situated in coastal zone and the industrial products of the prefectures where the coastal industrial zones are located occupies 72% of the entire amount of products throughout the country.

The extent to which the traffic and industry rely on the sea is quite large. The present paper deals with the utilization of the sea, classifying into 3 items—(1) traffic, (2) industry and (3) others.

NEW WORK SHIP......By J. Miyake page 34

The present paper begins with history of work ship, explains the present aspect of work ship and describes minutly the function and principal items of the work ship that is now active, with the aid of a number of photographs.

PRESENT ASPECT AND PROBLEMATIC POINTS OF THE OCEANOSCIENCE

.....By K. Suda (page 41)

The present paper, in the first place, gives the general explanation regarding the oceanosurvey and succeedingly explains in detail the weather, the maritime weather, the sea-bottom topograph, oceanostudy, the coastal oceanography, the exploration of deep sea, and the observation and investigation, the problem of the continental shelf, the sea-water industrial chemistry, submarine research ship and observation tower and others.

MARITIME CONSTRUCTION WORK(page 68)

The present paper introduces the recent maritime construction work in abroad that challenged nature with the new technique and at the same time explains the new trend through the investigation, structure and excecution of work.

OTHERS

In addition to the foregoing special collection, the present issue contains 2 papers and an account of the round-table talk on the prize winning movie which was among those that were invited for the contest under the title of Land Development in commemoration of 50th anniversary of the foundation of the Society in November, 1964 and other articles.

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