

土木學會誌

第 47 卷 第 3 号

昭和 37 年 3 月

目 次

論 說

水資源開発—土木技術者の重大責任—..... Arthur. T. Ippen 4
高橋 裕・訳

寄 書

南極の氷海を航海して..... 松本 満次 10

報 告

軽量型鋼使用の建設工用路面覆工材について..... 八中橋 木津本 健二 秀固 16

資 料

昭和 36 年度水理学研究の現況..... 水 理 委 員 会 22

海 外 事 情

スエズ運河事情 (1)..... 木内 政 鋭宏 38

寄 書

平山復二郎氏の追憶..... 平内 井海 喜久松 大石 清重 温成 久河 野北 康正 光雄 治 44

水資源講座 6

総合的水資源開発..... 黒坂 正則 50

豆知識	(15)	特許紹介	(37)
書評	(49)	ロータリー	(60)
論文紹介	(62)	文献抄録	(69)
会員欄	(75)	ニュース	(76)
学会記事	(81)	編集後記	(84)
名簿正誤表	(85)	文献目録	(87)

口 絵 写 真

広 告

昭和 36 年度土木学会誌編集委員

委員長	齋藤 義治	副委員長	堀 毅
委員	藤前 人 伊藤 謙一 江島 淳 加藤 信一 夫 片山 一 久野 悟 郎 相良 正 次 佐藤 一二 成 嶋 祐 一 榎野 康 行 中川 永 稔 田 針ヶ谷 明雄 男 西田 俊 策 林 村 田 泰 三 森 渡 部 与四郎 幹 山門 哲 三浦 誠 夫 一 横 戸 松本 順一郎 (東北支部) 山本 安 一 (") 岩崎 敏 夫 (") 地方委員 岡田 元北 海臣 (中部支部) 伊藤 富雄 (関西支部) 増田 重三 (") 岡田 清夫 (") 渡辺 新三 (") 荒木 正夫 (西部支部) 南 俊次 (中四支部) 高 橋 健二 (")		

編集兼 社団法人 土木学会

発行所 東京都新宿区四谷一丁目
TEL (351) 5 1 3 8 (代表)

JOURNAL OF THE JAPAN SOCIETY OF CIVIL ENGINEERS.

VOL. 47, NO. 3, MARCH 1962

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

SYNOPSIS

WATER RESOURCES DEVELOPMENT, A VITAL RESPONSIBILITY OF THE CIVIL ENGINEER

BY ARTHUR T. IPPEN (Page 4)

The paper is translated from the Presidential Address by Prof. Arthur T. Ippen at the annual meeting of the Boston Society of Civil Engineers, held on March 16, 1961. It was also published on the Journal of the B.S.C.E., April 1961.

Professor Ippen, who is in charge of Hydrodynamics Laboratory, Dept. of Civil Engineering, Massachusetts Institute of Technology, presented this paper to Mr. Nagata, the President of J.S.C.E. on the occasion of dinner party given by our Society in Prof. Ippen's honour last November.

VOYAGE ACROSS THE FROZEN SEA IN THE ANTARCTIC ZONE

BY M. MATSUMOTO (Page 10)

In the present paper the author who participated in the Antarctic observation corps in the capacity of the Captain of Soya Maru describes the art of navigation in the icy waters on the basis of his own experience and also describes the icy waters.

LIGHT GAUGE STEEL SHEET AS A MATERIAL FOR PAVING ROAD

*BY K. YAGI, C.E. MEMBER, N. NAKATSU, C.E. MEMBER,
AND, K. HASHIMOTO, C.E. MEMBER (Page 16)*

For the alleviation of urban traffic congestion. Recently construction work of an underground railway, underground parking yard and underground passage for pedestrians are carried out actively.

We have been looking for new durable and light weight material for paving road in place of the wooden material that has been hitherto used. Now we have discovered that light gauge steel will answer the purpose satisfactorily.

The present paper deals with the result of its dynamic test and also how it is utilized for the subway construction work at Umeda in Osaka.

REVIEW OF HYDRAULIC RESEARCH IN JAPAN, 1961

BY HYDRAULIC RESEARCH COMMITTEE OF J.S.C.E. (Page 22)

The present paper describes the general review of hydraulic research in Japan throughout the year of 1961, based on the reports presented by the various organizations relating to hydraulic research. It describes also the activities of the Hydraulic Research Committee of J.S.C.E., Research Meetings held in Japan in 1961, and association with international conferences.

In addition the list of the themes of researches which are under way in forty-four hydraulic laboratories in Japan, the list of publications of reference and the subject index are also included.