

CONTENTS

Early Engineering in the American Southwest <i>by Steven R. Rae and Joseph E. Minor</i>	143
How Local Communities Can Meet Financial Obligations to Accomplish the National Environmental Goal <i>by Joseph M. Grant</i> <i>Discussion by Elmer K. Timby</i>	159 166
The Critical U.S. Energy Situation <i>by John J. McKetta</i>	171
Iron, Engineers, and Urbanization <i>by Antoinette J. Lee</i>	179
The Challenge of Environmental Protection <i>by Dwight F. Metzler</i>	197
Professionalism in Construction <i>by Walter L. Meyer</i>	205
American Engineering Unions <i>by Hatim M. Hajj</i>	213
Ethical Optimization in Engineering <i>by Emilio Rosenblueth</i>	223
Maritime Extensions of Trans-Alaska Pipeline <i>by Steven Flajser and Edward Wenk, Jr.</i>	245

→

This Journal is published aperiodically by the American Society of Civil Engineers. Publications office is at 345 East 47th Street, New York, N.Y. 10017. Address all ASCE correspondence to the Editorial and General Offices at 345 East 47th Street, New York, N.Y. 10017. Allow six weeks for change of address to become effective. Subscription price to members is \$3.00. Nonmember subscriptions available; prices obtainable on request. CO, PO, PP, SU, UP.

The Society is not responsible for any statement made or opinion expressed in its publications.

An Educator-Practitioner Interaction Program <i>by Subhash C. Anand</i>	259
---	-----

DISCUSSION

Proc. Paper 9638

Considering Social Value in Engineering Projects , by Charles G. Sud- duth (Jan., 1972. Prior Discussion: Oct., 1972). <i>closure</i>	275
--	-----

Ethical and Social Responsibility in the Planning and Design of Engi- neering Projects , by David Mann (Jan., 1972. Prior Discussions: Oct., 1972). <i>closure</i>	276
---	-----

Flood Control Developed and Operated with Simulation , by John M. Tettermer (Jan., 1972). <i>errata</i>	277
--	-----

INFORMATION RETRIEVAL

The key words, abstract, and reference "cards" for each article in this Journal represent part of the ASCE participation in the EJC information retrieval plan. The retrieval data are placed herein so that each can be cut out, placed on a 3 × 5 card and given an accession number for the user's file. The accession number is then entered on key word cards so that the user can subsequently match key words to choose the articles he wishes. Details of this program were given in an August, 1962 article in CIVIL ENGINEERING, reprints of which are available on request to ASCE headquarters.