Editor-in-Chief
P. K. Mehta
Department of Civil Engineering
University of California
Berkeley, CA 94720

Purpose and Scope
The purpose of Cement, Concrete, and Aggregates is to provide information on new developments in testing, evaluation, and standardization of cement, concrete, concrete aggregates, admixtures, and precast concrete products, including concrete pipe, and to create a forum for the exchange of information, particularly research leading to standardization and experience in using standards.

The editorial scope of this journal includes technical papers, technical notes, letters to the editor, discussions of previously published papers, and book reviews.

Editorial Board

Committee C-1 on Cement
Karl Hauser
Edward C. Levy Co.
9300 Dix Avenue
Dearborn, MI 48120

Richard H. Howe
Tetrafy Consultants, Inc.
2911 Chestnut Street
Camp Hill, PA 17011

Paul Kiefer
P. O. Box 2275
Northbrook, IL 60062

Richard H. Mielzen
Route 1, Box 103, Birmingham Rd.
Gates Mills, OH 44040

Raymond J. Schult
3547 Country Rd.
Waupun, WI 53963

Committee C-9 on Concrete and Concrete Aggregates
G. S. Bobrowski
Master Builders, Inc.
23700 Chagrin Blvd.
Beachwood, OH 44122

Bernard Erlich
The Elin Co.
1693 Clearview Drive
LaHore, PA 15650

R. D. Hooten
University of Toronto
Dept. of Civil Engineering
35 St. George Street
Toronto, Ontario, Canada M5S 1A4

Colin D. Johnston
University of Calgary
Civil Engineering Dept.
Calgary, Alberta, Canada T2N 1N4

Richard C. Meininger
National Ready Mixed Concrete Assn.—National Aggregates Assn.
900 Spring St.
Silver Spring, MD 20910

Committee C-13 on Concrete Pipe
Mike Bealey
American Concrete Pressure Pipe Association
8300 Boone Boulevard,
Suite 400,
Vienna, VA 22182

Committee C-27 on Precast Concrete Products
Fouad H. Fouad
Department of Civil Engineering
University of Alabama
Birmingham, AL 35294

Permission to Copy: The appearance of the code at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use, or for the personal or internal use of specific clients. This consent is given on the condition, however, that the copier pay the stated per copy fee through the Copyright Clearance Center, Inc., Operations Office, P.O. Box 765, Schenectady, NY 12301, for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law (The per copy fee appears as the last four digits of the code at the bottom of the first page of each article). This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Further information may be obtained from the Copyright Clearance Center's Administrative Office, 310 Madison Ave., New York, N.Y. 10017 (212/697-2525).

Change of Address: Please return entire addressing label on wrapper to 1916 Race St., Philadelphia, PA 19120, along with new address information, however, that the copier pay the stated per copy fee through the Copyright Clearance Center, Inc., Operations Office, P.O. Box 765, Schenectady, NY, 12301, for copying beyond that permit...
Information for Authors

Contributions to Cement, Concrete, and Aggregates are subject to peer review in accordance with the policy established by the ASTM Committee on Publications. The paper must either contribute to the permanent literature or be of immediate interest to ASTM membership. The subject matter must not be of a speculative nature and the contents must not include materials of an advertising nature. The paper must not be seriously defective as to literary form and structure, continuity of thought, and clarity of expression. The substance of the paper should not have been published previously in the open literature.

Authors preparing papers for submittal should observe the conventions of style explained in the ASTM Style Manual. Since the journal does not request page charges, the author is expected to conform to these standard conventions for style. SI units are to be used throughout; if data were not measured in SI units, a note should appear to that effect and the original units should be included in parentheses after the SI units.

The original manuscript and four clear copies, including original illustrations, should be submitted to K. C. Lieb, Managing Editor, Periodicals, ASTM, 1916 Race St., Philadelphia, PA 19103.

Papers are eligible for the following ASTM awards: the C. A. Hogentogler Award (papers on soils for engineering purposes), the Sanford E. Thompson Award (papers on concrete and concrete aggregates), and the Richard L. Templin Award (papers on new and useful testing procedures and apparatus), the Sanford E. Thompson Award (for papers on concrete and concrete aggregates), and the P. H. Bates memorial Award (for papers on hydraulic cement).

General

This publication is one of many issued by ASTM in connection with its work in promoting knowledge of the properties and performance of materials, products, systems, and services, as well as in developing standard specifications and test measurement techniques to establish their value. Much of the information results from the voluntary contributions of many of the country's leading technical authorities from industry, scientific agencies, and government. A list of publications and information on the work of the Society will be furnished on request.

In Appreciation

The high quality of the papers that appear in this publication is a tribute not only to the obvious efforts of the authors represented but to the unheralded, though essential, efforts of their reviewers. It is to the reviewers' dedication to upholding the high standards of their profession that this note pays tribute. On behalf of ASTM and the authors as well, we acknowledge with appreciation their important contribution to the success of this journal.