

---

—To provide a comradeship in finding the best ways to do concrete work of all kinds and in spreading that knowledge.

---

*36th*  
*Annual Convention*

**AMERICAN CONCRETE  
INSTITUTE**

PALMER HOUSE—CHICAGO

*Tuesday, Wednesday and Thursday*  
*February 27, 28, and 29, 1940*

---

**TIME TABLE**

- Tuesday** —8:30 a. m.—Registration begins  
● When they have registered—for which no fee is charged—non-members as well as members will be welcome in all general sessions.  
10:00 a. m.—See page 3  
2:00 p. m.—See page 4  
8:00 p. m.—See page 7
- Wednesday**—9:30 a. m.—See page 7  
12:15 p. m.—Informal Luncheon  
● Tickets at Registration desk.  
2:00 p. m.—See page 8  
8:00 p. m.—See page 11
- Thursday** —9:30 a. m.—See page 12  
2:00 p. m.—See page 15

---

Committee Meetings—See Bulletin Board at Registration Desk

## Papers and Discussions

- Participants in the program should not fail to leave with the Chairman or with the reporter, G. K. Anderson, manuscripts from which papers or discussions are presented. This should be done immediately at the conclusion of each contribution. The A. C. I. Secretary will later provide opportunity for proof or manuscript revision before JOURNAL publication.
- Papers and reports which have already been published in the JOURNAL (and in each such instance the fact is noted in the program) are available at the Registration desk for purposes of convention discussion.
- Non-members, as well as members, are invited to participate in discussion within time limits imposed by the program schedule and in the discretion of the Chairman. Upon recognition by the Chairman a discussor will please state distinctly his name or the registration number as it appears on his convention badge. Anonymous discussion is unacceptable. Those who present discussion extemporaneously will be given opportunity for revision before publication.
- The A. C. I. convention staff will be alert to extend every possible courtesy to everyone—member or non-member *who registers*. (There is no registration fee). Non-member registrants will later receive (without cost) the "A. C. I. Convention in Review." Registration is the essential means for A. C. I. contact with non-members sufficiently interested to attend the meetings.
- Convention papers and reports are available for distribution only upon publication in the A. C. I. JOURNAL. They then become available also in separate prints at 25 to 50c each.

This announcement is made to discourage individual requests which the Institute finds impossible to meet, for prior distribution.

Tuesday, 10:00 a. m.

PRESIDENT F. E. RICHART, CHAIRMAN

—The Design of Concrete Mixes

CHARLES T. KENNEDY

Consulting Structural Engineer, Cincinnati.  
(This paper appears in the February JOURNAL)

—Revised Application of Fineness Modulus in Concrete Proportioning

HENRY L. KENNEDY

Dewey and Almy Chemical Co., Cambridge, Mass.

—An Application of Some of the Newer Concepts to the Design of Concrete Mixes

W. M. DUNAGAN

Associate Professor, T. & A. M., Iowa State College, Ames, Ia.

—Appointment of Tellers

—Next session 2 o'clock this afternoon—page 4

Tuesday 2:00 p. m.

---

MEMORANDA

---

VICE PRESIDENT BEN MOREELL, CHAIRMAN

—Properties of Concrete Mixes which Affect Design Procedure

R. F. BLANKS, E. N. VIDAL, W. H. PRICE AND F. M. RUSSELL

The authors are all of the Bureau of Reclamation, Denver. The paper was prepared originally as an aid to the work of A. C. I. Committee 613, Recommended Practice for the Design of Concrete Mixes, of which Mr. Blanks is chairman. Since then the paper has been revised to be suitable for general distribution and publication in the A. C. I. JOURNAL is anticipated in the near future.

—Frost Resistant Concrete

R. B. YOUNG

Hydro Electric Power Commission of Ontario, Toronto

—Next session 8 o'clock this evening—page 7

---

MEMORANDA

---

*Tuesday, 8:00 p. m.*

PAST PRESIDENT F. R. McMILLAN, CHAIRMAN

—Tolerances in Building Construction

JOHN R. NICHOLS

Consulting Engineer, Boston

—Stress Increases in Compressive Steel Under Constant Load Caused by Shrinkage

G. A. MANEY AND M. B. LAGAARD

Chairman of Department and Assistant Professor of Civil Engineering, respectively, Northwestern University, Evanston, Ill.

—Proposed Revisions of "Building Regulations for Reinforced Concrete." (A. C. I. 501-36-T)

A. C. I. Committee 501, Standard Building Code, A. W. STEPHENS, Chairman, R. R. ZIPPRODT, Secretary.

The report was published in A. C. I. JOURNAL for January 1940 and will be before the convention on a motion for adoption as an Institute Standard to supercede the code of 1928 and the tentative code of 1936. Institute procedure now eliminates "tentative adoption." The convention may approve a standard by a majority of members voting; may revise only by a nine-tenths vote of members voting. A vote of approval refers the proposed standard to letter ballot of Institute members, ratification requiring a two-thirds vote of members voting in the letter ballot.

---

*Wednesday, 9:30 a. m.*

PRESIDENT F. E. RICHART, CHAIRMAN

—Continuing Consideration of Proposed Revisions of Building Regulations for Reinforced Concrete

*Wednesday 12:15 p. m.*

—Informal Luncheon, Foyer of Grand Ball Room—No speeches—just a get-together.

---

—Next session 2 o'clock this afternoon—page 8

Wednesday, 2:00 p. m.

---

MEMORANDA

---

PRESIDENT F. E. RICHART AND VICE PRESIDENT R. B.  
YOUNG, CHAIRMEN

—Report of Tellers

—Introduction of new officers and other new members of  
Board of Direction

(Newly elected officers and directors take office only at the close of  
the annual convention.)

—Address

PRESIDENT F. E. RICHART

—Ready-Mixed Concrete Operations in Philadelphia

ALEXANDER FOSTER, JR., HERBERT J. KNOPEL AND  
HERBERT J. WHITTEN

Mr. Foster is Vice-President of The Warner Co., Mr. Knopel, Consulting  
Engineer, Mr. Whitten, General Superintendent, The Warner Co.  
—all of Philadelphia. Their paper appears in the February JOURNAL.

—The Contribution of Ready-Mixed Concrete to the Build-  
ing Industry

H. F. THOMSON

Vice-president, General Material Co., St. Louis.

—Proposed Recommended Practice for Measuring, Mixing  
and Placing Concrete

A. C. I. Committee 614, LEWIS H. TUTHILL, Chairman

This report appears in the February JOURNAL and on this program for  
discussion and is not now submitted for adoption as an Institute  
Standard.

—Next session 8 o'clock this evening—page 11

---

MEMORANDA

---

Wednesday, 8:00 p. m.

PAST-PRESIDENT ARTHUR R. LORD, CHAIRMAN

—Presentation of Wason Medals

By PRESIDENT F. E. RICHART

—For the Most Meritorious Paper in American Concrete Institute *Proceedings* Vol. 35: "The Bond Between Concrete and Steel" to H. J. GILKEY, S. J. CHAMBERLIN and R. W. BEAL. Professor Gilkey is Head, Mr. Chamberlin assistant professor and Mr. Beal, instructor, all of the Department of Theoretical and Applied Mechanics, Iowa State College, Ames, Ia.

—For Noteworthy Research reported to the Institute *Proceedings* Vol. 35) in the paper, "The Bleeding of Portland Cement Paste, Mortar and Concrete" to T. C. POWERS. Mr. Powers is Assistant to the Director of Research, Portland Cement Association, Chicago.

—Effect of Impact on Reinforced Concrete Beams

T. D. MYLREA

Head, Division of Civil Engineering, University of Delaware, Newark.

—The Physical and Mechanical Properties of Hand-rodged,  
Vibrated Concrete Made with Different Cements

G. W. WASHA

Instructor in Mechanics, University of Wisconsin, Madison.

—Attempts to Measure the Cracking Tendency of Concrete

ROY W. CARLSON

Associate Professor of Civil Engineering, Massachusetts Institute of Technology, Cambridge.

---

—Next session 9:30 tomorrow morning—page 12

Thursday, 9:30 a. m.

---

MEMORANDA

---

DIRECTOR-AT-LARGE M. O. WITHEY, CHAIRMAN

Concrete Research

a session developed by A. C. I. Committee 115, Research,  
M. O. WITHEY, Chairman; R. W. BEAL, Secretary.

Short papers will be presented from numerous research agencies—  
papers from and for research men. Publicity on these papers—their  
substance, titles or sources—is undesirable at this time, since many of  
them are concerned with unfinished work. Later, on specific release  
by the originating agencies, some of these contributions will probably  
be available through the A. C. I. JOURNAL.

—Next and final session 2 o'clock this afternoon—page 15

*Thursday, 2:00 p. m.*

PAST PRESIDENT J. C. PEARSON, CHAIRMAN

—Permeability and Acid Test of Silo Staves

C. A. HUGHES

Associate Professor of Structural Engineering, University of Minnesota Engineering Experiment Station, Minneapolis.

—Proposed Specifications and Methods of Testing for Concrete Staves to be Used in Farm Silo Construction

A. C. I. Committee 714, Recommended Practice for the Construction of Concrete Silos, C. A. HUGHES, Chairman

This report appears in the February JOURNAL presented as information and for discussion, and is not now submitted for adoption as an Institute Standard.

—Tests on Concrete Masonry Units Using Tamping and Vibration Molding Methods

KURT F. WENDT AND PAUL WOODWORTH

Mr. Wendt is Assistant Professor of Mechanics, University of Wisconsin, Madison, where the tests were made and Mr. Woodworth is of the Cement Products Bureau, Portland Cement Association, Chicago. The paper appeared in the A. C. I. JOURNAL for November 1939.

Discussions by:

H. C. SHIELDS, BENJ. WILK, M. O. WITHEY AND OTHERS

—Tests of the Resistance to Rain Penetration of Walls Built of Masonry and Concrete

R. E. COPELAND AND C. C. CARLSON

The authors are of the Development Department of the Portland Cement Association, Chicago. The paper appeared in the A. C. I. JOURNAL for November 1939.

Discussions by:

E. W. SCRIPTURE JR., BENJAMIN WILK AND OTHERS

- The 37th Annual Convention is scheduled for Washington, D. C.—Mayflower Hotel—  
February 18, 19 and 20, 1941.



## *Board of Direction*

*President*—F. E. RICHART

*Vice-Presidents*—R. B. YOUNG, BEN MOREELL

*Secretary-Treasurer*—HARVEY WHIPPLE

*Regional Directors*—JOHN R. NICHOLS, F. E. SCHMITT,

LION GARDINER, ROY W. CRUM, A. S. DOUGLASS,

H. F. THOMSON

*Directors-at-Large*—B. F. AFFLECK, RAYMOND E. DAVIS,

M. O. WITHEY

*Past Presidents*—ARTHUR R. LORD, P. H. BATES,

F. R. McMILLAN, J. C. PEARSON, JOHN J. EARLEY

---

## *Program Committee*

(In Charge of Convention Program)

F. R. McMILLAN, *Chairman*

PRESIDENT F. E. RICHART (*Ex-Officio*)

P. H. BATES

R. W. CRUM

RAYMOND E. DAVIS

A. E. LINDAU

BEN MOREELL

F. E. SCHMITT

R. B. YOUNG

HARVEY WHIPPLE, *Secretary*

---

Information as to Institute membership and publications on request at Convention Registration Desk or of the Secretary

**AMERICAN CONCRETE INSTITUTE**

NEW CENTER BUILDING

7400 SECOND BLVD.

DETROIT, MICH.