

SUMMARY OF PROCEEDINGS OF THE TWENTIETH  
ANNUAL CONVENTION.

Drake Hotel, Chicago, Illinois.

FIRST SESSION, MONDAY, FEBRUARY 25, 1924, 2 P. M.

The convention was called to order by William P. Anderson, president of the American Concrete Institute.

The following papers were read and discussed:

"How Structures Withstood the Japanese Earthquake and Fire,"  
by H. M. Hadley.

"Effect of Japanese Earthquake and Fire on Structures," by  
Joseph S. Ruble.

"Old and New Methods of Constructing Concrete Bridges," by J.  
B. Hunley.

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JOINT SECOND SESSIONS, MONDAY, FEBRUARY 25, 1924, 8 P. M.

Two co-ordinate sessions were held on Monday evening (a) for construction superintendents, with Vice-President M. M. Upson in the chair, and (b) for concrete products manufacturers, with A. J. R. Curtis in the chair. The meeting consisted of the discussion of certain questions previously printed.

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THIRD SESSION, TUESDAY, FEBRUARY 26, 1924, 9.30 A. M.

Past-President Richard L. Humphrey in the chair.

The report of Committee S-6, Concrete Roads and Pavements, was presented by its chairman, W. M. Acheson.

The report of the committee consisted in the presentation of

- (1) Proposed Standard Specifications for Portland Cement Concrete Pavements. (One-Course Portland Cement Concrete Pavement for Highways).
- (2) Proposed Tentative Specifications for Portland Cement Concrete Pavements.
  - (a) Two-Course Portland Cement Concrete Pavement for Highways.
  - (b) One-Course Portland Cement Concrete Street Pavement.
  - (c) Two-Course Portland Cement Concrete Street Pavement.

With certain amendments noted in the reprint of the specifications in this volume, specification (1) was approved and sent to letter ballot for adoption as standard specification and specifications (2) were accepted as tentative.

The following paper was read and discussed:

“New Practice of Iowa State Highway Department for Control of Quality of Concrete,” by R. W. Crum.

The report of the Joint Committee on Culvert Pipe, Committee J-2, was presented by its chairman, B. S. Pease. This was merely a progress report. The report was received and the recommendation passed that the Institute continue to be represented on the Joint Committee with the approval of the Board of Direction.

The report of Committee P-7, Concrete Pipe, Drain Tile and Conduits, was presented by its chairman, C. F. Buente. The report consisted in the presentation of the proposed tentative specifications:

- (1) Concrete Drain Tile
- (2) Plain Concrete Sewer Pipe
- (3) Reinforced-Concrete Sewer Pipe

With the amendments noted in the full statement of the report in this volume, the specifications were accepted as tentative.

The report of Committee C-1, Contractors Plant, was presented by its chairman, J. G. Ahlers. The report consisted in the presentation of a report entitled “The Selection and Design of Contractors Plant.”

The report of Committee C-5, Estimates and Estimating, was presented by its chairman, Frank R. Walker. It was a progress report and was accepted.

The following paper was read and discussed:

“The Economic Value of Admixtures,” by J. C. Pearson and Frank A. Hitchcock.

The report of Committee C-2, Concrete Floor Finish, was presented by its chairman, N. M. Loney. The report consisted in the submission of Proposed Standard Specifications for Concrete Floors. This was adopted and sent to letter ballot for adoption as a standard of the Institute.

The report of Committee S-3, on Concrete Sewers, was presented by its chairman, Secretary M. W. Loving. This report consisted in the submission of Proposed Standard Specifications for Concrete Sewers. This was adopted and sent to letter ballot for adoption as a standard of the Institute.

Committee C-2, through its chairman, N. M. Loney, submitted a revision of the existing standard for Portland Cement Concrete Sidewalks. With the amendments noted in this volume, the specification was adopted as a tentative standard.

On February 26, 1924, at 2 P. M., there was a demonstration of the operation and manufacture of trim stone and ornamental concrete conducted by R. F. Havlik and others.

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FOURTH SESSION, TUESDAY, FEBRUARY 26, 1924, 8 P. M.

Past-president Richard L. Humphrey in the chair.

The report of Committee P-1, Standard Building Units, was presented by its chairman, Wallace R. Harris. The report consisted in the presentation of revised Tentative Standard Specifications for Concrete Building Block and Concrete Building Tile and Proposed Tentative Standard Specifications for Concrete Brick. All were adopted by the meeting.

The report of Committee P-4, Concrete Staves, was presented by its secretary, W. G. Kaiser. The proposed Tentative Standard Specifications on Concrete Staves was adopted as a tentative standard.

The following papers were read and discussed:

"Building Codes and Their Relation to the Concrete Products Industry," by William F. Lockhardt.

"Building Fireproof Homes," by Paul Hueber.

The report of Committee S-5 on Concrete Houses was presented by its chairman, J. A. Ferguson. It was presented as a progress report and with discussion was accepted.

The report of Committee P-5, Fire Resistance of Concrete Building Units, was presented by its chairman, Leslie H. Allen. The report was a continuation of the report submitted last year on fire tests of blocks. The report was accepted.

The report of Committee G-4 on Nomenclature was presented by W. A. Slater, chairman. This was a progress report and was accepted.

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TWENTIETH ANNIVERSARY DAY

FIFTH SESSION, WEDNESDAY, FEBRUARY 27, 1924, 10 A. M.

This day was set aside to celebrate the growth of the Institute and the tremendous strides the concrete industry has made in the twenty-year period. The program consisted in the presentation of papers as follows:

- (1) Opening address by Richard L. Humphrey.
- (2) "Cement is the Magic of Concrete," by F. W. Kelley.
- (3) "Concrete Roads," by A. N. Johnson.

- (4) "Mass Concrete," by Arthur P. Davis (paper read by A. M. Stephens).
  - (5) "Mechanical Equipment for Handling Concrete," by A. W. Ransome.
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SIXTH SESSION, WEDNESDAY, FEBRUARY 27, 1924, 2.30 P. M.

Past-president Richard L. Humphrey in the chair.

- (6) "Reinforced-Concrete Buildings," by Albert Kahn.
- (7) "Concrete Bridges," by A. E. Lindau.
- (8) "Concrete for Foundations and Water Front Work," by M. M. Upson.
- (9) "Concrete Products," by R. F. Havlik.
- (10) "Architectural Concrete," John J. Earley.
- (11) "Engineering Research," by A. N. Talbot.
- (12) "Making Good Concrete," by Duff A. Abrams.
- (13) "The Promise of Future Development," by Richard L. Humphrey.

On the evening of Wednesday, February 27, a banquet was held.

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SEVENTH SESSION, THURSDAY, FEBRUARY 28, 1924, 9.30 A. M.

Vice-President A. E. Lindau in the chair.

The following papers were read and discussed:

- "What Engineers and Contractors May Expect to Accomplish with High Alumina Cement," by Henry S. Spackman.
- "Field Tests of Concrete," by J. G. Ahlers and Stanton Walker.
- "Methods Used and Results Obtained in Control of Concrete in Building Construction," by W. A. Slater.

The report of Committee C-6, Field Methods, was presented by R. L. Bertin, chairman. It consisted in a paper entitled "Suggestions for the Production of Better Concrete."

#### BUSINESS SESSION

The report of the Board of Direction was read by the secretary.

The following by-laws were accepted and passed to letter ballot of the membership:



ARTICLE V (*as it stood*)

## RECOMMENDED PRACTICE AND SPECIFICATIONS

*Section 1.* Proposed Recommended Practice and Specifications to be submitted to the Institute must be mailed to the members at least thirty days prior to the Annual Convention, and as there amended and approved, passed to letter ballot, which shall be canvassed within sixty days thereafter, such Recommended Practice and Specifications shall be considered adopted unless at least 10 per cent of the total membership shall vote in the negative.

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ARTICLE V (*as adopted*)

*Section 1.* Proposed new or revised Standard Specifications, Standard Practice and Standard Definitions, when approved by a majority voting in the committee in which they originate, shall be submitted in the form adopted in the Standard Form of Standards to the secretary of the Institute 60 days prior to the opening of the annual convention at which they are to be presented. The secretary of the Institute shall cause these proposed new standards of revised standards to be printed as Proposed Tentative Standards and mailed to the full membership of the Institute thirty days prior to the opening of the convention. As there amended and approved, they shall be published in the Annual Proceedings, next issued as Tentative Standards. At a subsequent annual convention they may again be offered unamended, by their originating committees as proposed standards, and as there approved by a majority of those voting, they shall be submitted to letter ballot of the Institute membership, to be canvassed within ninety days thereafter. Such proposed standards shall be considered adopted unless at least 10 per cent of the total membership shall vote in the negative.

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President W. P. Anderson in the chair.

The report of the Board of Tellers announced the election of the following officers:

*President*, A. E. Lindau, of Chicago.

*Vice-President (2-year term)*, M. M. Upson, New York.

*Treasurer*, Harvey Whipple, Detroit.

*Directors, 1st District*, C. E. Nichols, Boston.

*2d District*, E. D. Boyer, New York.\*

*6th District*, Arthur Bent, Los Angeles.

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\*Because of the elevation of A. E. Lindau from the office of vice-president to that of president, the Board of Direction, in accordance with the By-Laws, filled the position of vice-president left vacant. E. D. Boyer was made vice-president, and N. M. Loney, N. Y. director to fill the place left vacant by Mr. Boyer in the 2d district.

EIGHTH SESSION, THURSDAY, FEBRUARY 28, 1924, 2 P. M.

W. P. Anderson in the chair.

The report of Committee P-8, Expansion Joints, was presented by its chairman, Langdon Pearse. The paper consisted in a report on expansion joints in concrete construction. It was accepted.

The report of Committee E-5, Aggregates, was presented by its secretary, R. B. Crum. It was a progress report and was accepted.

The report of Committee E-6, Concrete Failures, was presented by its chairman, M. M. Upson. This consisted in the presentation of studies of two concrete failures, one by P. J. Freeman and the other by John A. Ferguson.

The report of the Committee E-7, Waterproofing, was presented by its chairman, S. C. Hollister. This was a progress report and was accepted.

The following paper was read and discussed:

"Bending Moments in Columns," by F. E. Richart.

The report of Committee E-1, Reinforced-Concrete Building Design and Specifications, was presented by its chairman, A. R. Lord. It consisted of a progress report, which was accepted.