

## SUMMARY OF THE PROCEEDINGS OF THE TWELFTH ANNUAL CONVENTION.

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FIRST SESSION, MONDAY, FEBRUARY 14, 1916, 10 A. M.

The Convention was called to order by the President, Leonard C. Wason. The President announced the appointment of the following Committee on Resolutions:

A. J. Maynard, *Chairman*, State Farm, Mass.  
William P. Anderson, Cincinnati, Ohio.  
William K. Hatt, Lafayette, Ind.  
Richard L. Humphrey, Philadelphia, Pa.  
E. J. Mehren, New York, N. Y.

The following papers were then read and discussed:

- "The Use of Concrete at the State Farm at Bridgewater, Mass.," by A. J. Maynard and B. Baker.
- "Relining a Tunnel with Steam-Jointed Concrete," by Harold P. Brown.
- "Some Features of Concrete Work on Subway Construction, New York City," by Robert Ridgway; read by E. J. Mehren in the absence of the author.

The report of the Committee on Nomenclature was, in the absence of the Chairman, Frank C. Wright, presented by L. R. Ferguson.

On motion it was decided that the adoption of the definitions proposed by the Committee be deferred and the suggestion of the Committee be adopted that there be organized a joint conference to consist of representatives from various engineering societies to consider such definitions.

On motion it was decided to reconsider the report of the Committee at the session on Wednesday afternoon.

The meeting then adjourned until 8 P. M.

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SECOND SESSION, MONDAY, FEBRUARY 14, 1916, 8 P. M.

President Leonard C. Wason in the chair.

The report of the Committee on Insurance was presented by H. C. Turner in the absence of the Chairman, J. P. H. Perry.

In the absence of the author, the paper on "Unit Cost in Construction," by Sanford E. Thompson, was read by the Secretary.

Robert F. Havlick, Chairman, presented the Report of the Committee on Building Blocks and Cement Products.

The report of the Committee was accepted and ordered printed so that the proposed specifications could be adopted at the next convention.

The meeting then adjourned until Tuesday at 10 A. M.

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#### THIRD SESSION, TUESDAY, FEBRUARY 15, 1916, 10 A. M.

President Leonard C. Wason in the chair.

R. J. Moore, Chairman, presented the report of the Committee on Reinforced Concrete and Building Laws, which was discussed and referred back to the Committee for further consideration.

The following papers were then read and discussed:

"Some Suggestions for the Design of Concrete Buildings," by W. P. Anderson.

"Reinforced Concrete Columns," by P. P. Furber.

The meeting then adjourned until 8 P. M.

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#### FOURTH SESSION, TUESDAY, FEBRUARY 15, 1916, 8 P. M.

President Leonard C. Wason in the chair.

William K. Hatt presented a paper on "Genesis of Reinforced Concrete Construction."

The following papers were then read and discussed:

"A Further Discussion of Steel Stresses in Flat Slab Floors," by H. T. Eddy; in the absence of the author read by N. H. Johnson.

"Design of Reinforced Concrete Footings for Buildings," by R. L. Bertin; in the absence of the author read by Frank C. Wight.

The report of the Committee on Fireproofing, John Stephen Sewell, Chairman, was presented by the Secretary.

The report of the Committee on the Treatment of Concrete Surfaces was presented by the Chairman, Cloyd M. Chapman, and after discussion was approved.

The meeting then adjourned until Wednesday at 10 A. M.

FIFTH SESSION, WEDNESDAY, FEBRUARY 16, 1916, 10 A. M.

President Leonard C. Wason in the chair.

The following papers were read and discussed:

"Time Tests of Concrete," by Almon H. Fuller and Charles C. More; read by Professor MacMillan.

"The Flow of Concrete Under Sustained Load," by Earl B. Smith.

"Influence of Temperature on the Strength of Concrete," by A. B. McDaniel.

"Tests of Concrete Columns, Plain and Reinforced," by Frank P. McKibben and A. S. Merrill; presented by E. J. Moore in the absence of the authors.

"Possibilities of Unit Concrete and Structural Steel as a Means of Meeting the Speed and Engineering Requirements of Modern Building Construction," by Charles D. Watson.

The reports of the following committees were then presented:

Committee on Reinforced Concrete Highway Bridges and Culverts,  
T. McDouald, Chairman.

Committee on Sidewalks and Floors, J. R. Ferguson, Chairman.

*Business Session.*

The President presented the Annual Report of the Board of Direction.

The Treasurer, Robert W. Lesley, presented his annual report which was accepted and ordered filed.

The President reported that the letter ballot had resulted in the election of the following officers for the ensuing year:

*President:* Leonard C. Wason.

*Vice-President:* Henry C. Turner.

*Treasurer:* Robert W. Lesley.

*Directors: First District—*Charles R. Gow.

*Second District—*Edward D. Boyer.

*Sixth District—*John G. Treanor.

On motion a unanimous vote of thanks was extended to Mr. John M. Goodell in appreciation of his earnest and valuable services as Acting Secretary during the past six months.

The meeting then adjourned until 2 P. M.

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SIXTH SESSION, WEDNESDAY, FEBRUARY 16, 1916, 2 P. M.

President Leonard C. Wason in the chair.

The Committee on Nomenclature, F. C. Wight, Chairman, presented its revised report and the question of submitting the proposed definitions to letter ballot was ordered left to the discretion of the Board of Direction.

The following papers were then read and discussed:

- "Construction of Reinforced Concrete Factory Building with Submerged Foundations under Severe Tidal Conditions," by N. M. Loney; in the absence of the author presented by E. J. Moore.
- "Forms for Concrete Work," by R. A. Sherwin.
- "The Proper Use of Concrete Gravity Chutes," by W. H. Insley and C. C. Brown.
- "The Concrete Viaducts and Bridges of Cincinnati," by Frank J. Raschig.
- "Construction Methods on the Tunkhannock and Martin's Creek Viaduct, Lackawanna Railroad," by C. W. Simpson, in the absence of the author read by title.
- "Tests of Large Reinforced Concrete Slabs," by A. T. Goldbeck and E. B. Smith.

The Report of the Committee on Reinforced Concrete Chimneys, H. W. Lafta, Chairman, was presented by L. R. Ferguson.

The meeting then adjourned until 7 p. m.

SEVENTH SESSION, WEDNESDAY, FEBRUARY 16, 1916, 7 p. m.

President Leonard C. Wason in the chair.

The following papers were presented and discussed:

- "Motion Picture Studies on the Making and Placing of Concrete," by Nathan C. Johnson.
- "The Construction of the Toronto Hamilton Highway by Day Labor," by H. S. Van Scoyoc.

The Report of the Committee on Concrete Roads and Pavements was then presented by the Chairman, Arthur N. Johnson, and accepted.

The paper on "Concrete Foundations for Asphalt Pavements and Roads Subject to Heavy Travel," by Clifford Richardson, was in the absence of the author read by title.

The following papers were then read and discussed:

- "Foundations for Permanent Pavements," by R. C. Stubbs.
- "The Construction of the Easton-Allentown Road," by John T. Gebhart, Jr.; in the absence of the author presented by L. R. Ferguson.
- "The Coleman Du Pont Road, Delaware," by Charles Upham; read by S. F. Butler.
- "Essential Features for Successful Construction of Concrete Roads," by William M. Acheson; in the absence of the author the paper was read by title.

The meeting adjourned until Thursday at 10 a. m.

## EIGHTH SESSION, THURSDAY, FEBRUARY 17, 1916, 10 A. M.

President Leonard C. Wason in the chair.

George A. Rankin presented a paper on the "Chemistry of Portland Cement."

The report of the Committee on Concrete Aggregates, Sanford E. Thompson, Chairman, was presented by Cloyd M. Chipman, and discussed.

Mr. Cloyd M. Chipman presented a paper on "The Use of the Universal Sand Tester."

The meeting then adjourned until 2 P. M.

## NINTH SESSION, THURSDAY, FEBRUARY 17, 1916, 2 P. M.

President Leonard C. Wason in the chair.

The following papers were read and discussed:

"Reinforced Concrete in Sewer Construction," by W. W. Horner.

"The Fall River Concrete Conduits," by Frederic H. Fay.

"Durability of Concrete Pipe," by J. H. Libberton.

"Construction of Kensico Dam," by Wilson F. Smith; read by title.

"Construction of the Austin, Texas, Reservoir and Dam," by L. Lyndon and F. S. Taylor; read by Mr. Hayn.

The Committee on Resolutions presented the following report which was unanimously adopted:

*Resolved*, That the thanks of the American Concrete Institute be tendered to the men who kindly contributed papers to the Convention.

*Resolved*, That the President be hereby instructed to send a letter of thanks on behalf of the Institute to each person contributing a paper.

A paper on "The Middleborough, Mass., Reinforced Concrete Water Tower Tank" was presented by G. A. Sampson.

The President then declared the convention adjourned *sine die*.