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

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## 40th Annual Convention



Tuesday, Wednesday and Thursday  
February 29, March 1 and 2, 1944

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PALMER HOUSE, CHICAGO

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### TIME TABLE

(Tuesday, February 29)

Committee Meetings only, see page 2)

When they have registered (for which no fee is charged) non-members as well as members will be welcome in all general sessions.

Wednesday—9:30 a. m.—See page 3  
—Noon Luncheon, followed by regular afternoon session (See page 4)  
(Luncheon tickets, \$2.25, cannot be sold after 9:30 a. m. Wednesday)  
—8:00 p. m.—See page 5

Thursday—9:30 a. m.—See page 6  
—2:00 p. m.—See page 7

Watch the Bulletin Board at Registration Desk

## COMMITTEE MEETINGS

- Board of Direction—Room 5, 3rd floor, 9 a. m. Tuesday and  
Room 5, 3rd floor, immediately following adjournment of convention, Thursday afternoon for the "new" Board.
- 207, Properties of Mass Concrete, Raymond E. Davis, Chairman,  
7:30 p. m. Tuesday, Room 790
- 208, Bond Stress, Herbert J. Gilkey, Chairman  
2 p. m. Tuesday, Room 797
- 212, Admixtures in Concrete, F. B. Hornibrook, Chairman  
10 a. m. Tuesday, Room 792
- 318, Subcommittee on Code Changes, Roy R. Zipprodt, Chairman  
2:30 p. m. Tuesday, Room 789
- 604, Winter Concreting Methods, R. W. Spencer, Chairman  
Tuesday afternoon (for time and place see Mr. Spencer)
- 613, Recommended Practice for the Design of Concrete Mixes, Robert F. Blanks, Chairman  
2 p. m. Tuesday, Room 793
- 711, Precast Floor Systems for Houses, F. N. Menefee, Chairman  
2 p. m. Tuesday, Room 790
- 714, Recommended Practice for the Construction of Concrete Silos, W. W. Gurney, Chairman  
Thursday evening, March 2 (See Mr. Gurney)
- 805, Recommended Practice for the Application of Mortar by Pneumatic Pressure, W. L. Chadwick, Chairman  
2 p. m. Tuesday (See R. W. Spencer)

## NOTES FOR PROGRAM PARTICIPANTS

- Participants in the program should not fail to leave with the Chairman or with the stenotype reporter, manuscripts from which papers or discussions are presented. The ACI Secretary will later provide opportunity for manuscript and proof 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 ACI Registration desk for purposes of convention discussion.
- Upon recognition by the Chairman a discussor will please state distinctly his name or the registration number as it appears on his convention badge and go forward to the rostrum so he may be heard by all.
- Convention papers, reports and discussion are available for distribution only upon publication in the ACI JOURNAL. They are then available also in separate prints at 25 to 50c each.

9:30 A.M. WEDNESDAY, MARCH 1

Room 14, Club Floor (a half flight above the 4th floor)

President MORTON O. WITHEY, Chairman

## RECOMMENDED PRACTICE FOR THE DESIGN OF CONCRETE MIXES

Reported by ACI Committee 613, ROBERT F. BLANKS, Chairman

The last word on mix design is probably a long way off; there is much still to learn. Meanwhile mixes must be designed and a substantial majority of Committee 613 approves the current document with its basic procedures and with tools for making the procedures workable under a wide range of conditions. The report (ACI JOURNAL Nov. 1943) comes before the convention on a motion for adoption as an Institute Standard.

## TESTS OF COATINGS FOR GASOLINE RESISTANT CONCRETE STORAGE TANKS

By J. C. PEARSON,  
Director of Research, Lehigh Portland Cement Co., Allentown, Pa.

This paper appears in the February 1944 ACI JOURNAL ("Tests of Gasoline Resistant Coatings"). Tanks, large and small became a prime war necessity and the problem was attacked vigorously by several agencies. Mr. Pearson looks for developments in tank construction by contractors and their manufacture in the concrete products field, for peace time use.

(See also further contributions to the subject of tanks for liquid fuels at evening session today).

## SPECIFICATIONS FOR CONCRETE PAVEMENTS AND BASES

Reported by ACI Committee 617, H. F. CLEMMER, Chairman

The current report was published in the ACI JOURNAL, November 1943. A previous report published in February 1941, was discussed and extensively revised. The present report comes before the convention on a motion for adoption as an Institute Standard.

## APPOINTMENT OF TELLERS

**LUNCHEON**  
**WEDNESDAY NOON, MARCH 1**  
Red Laquer Room

**THE CONCRETE ENGINEER AND THE  
POSTWAR WORLD**

HENRY J. KAISER will address fellow ACI Members and their friends on aspects of the postwar outlook.

Luncheon will be served at 12:15. Other speakers will follow Mr. Kaiser in brief addresses bearing on various aspects of the theme of the luncheon session.

The postwar theme concluded, the regular afternoon session will proceed.

**CONCRETES CONTAINING  
AIR-ENTRAINING AGENTS**

FRANK H. JACKSON

Public Roads Administration, Washington, D. C.

Mr. Jackson will lead the discussion with questions about air-entraining agents—questions to which the program may supply some of the answers.

NOTE: An important paper appropriate to this session, recording the results of a considerable investigation, is in preparation for the Institute. It is not possible to say positively that it will be available for presentation to the convention. If available it will come first, if not Mr. Jackson's introductory remarks will be followed by the discussions listed.

**DISCUSSION by:**

CHARLES E. WUERPEL, Principal Engineer, Central Concrete Laboratory, War Department, Mount Vernon, N. Y.

HENRY L. KENNEDY, Manager Cement Division, Dewey & Almy Chemical Co., Cambridge, Mass.

ROBERT F. BLANKS, Reclamation Bureau, Denver

MYRON A. SWAYZE, Director of Research, Lone Star Cement Corp., Hudson, N. Y.

G. L. LINDSAY, Asst. Director, Tests and Research, Universal Atlas Cement Co., New York City

STANTON WALKER, Director of Engineering, National Sand & Gravel Assn., Washington, D. C.

RAYMOND E. DAVIS, Professor of Civil Engineering, University of California, Berkeley.

HARRY F. THOMSON, General Material Co., St. Louis.

DONALD MAC PHERSON, Acting Director of Research, Master Builders Research Laboratories, Cleveland

R. A. BURMEISTER, Materials Engineer, City of Milwaukee, Milwaukee.

GUY H. LARSON, Asst. Materials Engineer, Wisconsin Highway Dept., Madison.

F. V. REAGEL, Engineer of Materials, Missouri State Highway Dept. Jefferson City, Mo.

J. H. CHUBB, Manager Service Bureau, Pennsylvania-Dixie Cement Corp. New York City

**8 P.M. WEDNESDAY, MARCH 1**

Red Laquer Room

Vice-President ROY W. CRUM, Chairman

**CERTIFICATES OF HONORARY MEMBERSHIP**

Presentations by President MORTON O. WITHEY to:  
JOHN J. EARLEY  
and  
FRANKLIN R. McMILLAN

**AWARD OF LEONARD C. WASON MEDALS**

Presented by PRESIDENT WITHEY to:

P. J. HALLORAN, Captain (CEC) United States Navy and KENNETH H. TALBOT for the paper judged "the Most Meritorious Paper" in Institute Proceedings Vol. 39: "The Properties and Behavior Underwater of Plastic Concrete" (ACI JOURNAL, June 1943).

and to

VERNON P. JENSEN for noteworthy research reported in his paper: "The Plasticity Ratio of Concrete and Its Effect on the Ultimate Strength of Beams" (ACI JOURNAL, June 1943; Proceedings V. 39).

**CONCRETE PROBLEMS IN THE CONSTRUCTION  
OF GRAVING DOCKS BY THE TREMIE METHOD**

By Capt. W. MACK ANGAS (CEC) USN, Lt. Comdr. E. M. SHANLEY (CEC) USNR and Lt. J. A. ERICKSON (CEC) USN. To be presented at the convention by Capt. W. H. SMITH (CEC) USN and Lieutenant ERICKSON.

This paper (ACI JOURNAL, February 1944) will be presented by Captain Smith, head of the Bureau of Yards and Docks Planning and Design Department, who was Public Works Officer at the location of the docks when they were built. Two of the authors are unavailable due to distant assignments but Lieutenant ERICKSON will undertake to answer questions about the work.

**CONCRETE GASOLINE STORAGE TANKS FOR  
MILITARY USE**

By E. R. SHEPARD

Senior Physicist, Office of Chief of Engineers, War Department, Washington, D. C.

**NAVY INSTALLATIONS OF PROTECTIVE LININGS  
IN PRESTRESSED CONCRETE TANKS  
FOR LIQUID FUELS**

By MORRIS A. SPAMER

Bureau of Yards and Docks, Navy Department, Washington, D. C.

9:30 A.M. THURSDAY, MARCH 2

Red Laquer Room

### CONCRETE RESEARCH

A session under the auspices of ACI Committee 115, MORTON O. WITHEY, Chairman, S. J. CHAMBERLIN, Secretary.

The Research Session will consist of a full morning of very brief presentations of interesting developments in concrete research, from simple laboratory techniques to progress reports on long-time researches. Along with the more familiar speakers there will be some new faces. Everyone is welcome to the session and it will afford a preview of some of the things to come later in the JOURNAL, and of some things that may never see publication. Because of the semi-confidential nature of the session and the fact that the presentations are not reported, contributors are under less necessity to guard and qualify their utterances. The only way to be sure to benefit from the session is to be in attendance, although some of the contributions are in line for early publication.

2 P.M. THURSDAY, MARCH 2

Red Laquer Room

Vice-Pres. DOUGLAS E. PARSONS, Chairman

### REPORT OF TELLERS AND THE INTRODUCTION OF OFFICERS

ADDRESS BY THE RETIRING PRESIDENT  
MORTON O. WITHEY

### WAR-BORN CONCRETE PRODUCTS

By C. F. MOORE

A structural engineer of the Cement Products Bureau, Portland Cement Association, Chicago.

The paper is as yet unpublished. The author will describe and illustrate by stereopticon views some of the more interesting concrete products developments arising from the war-time material shortages, in which ingenuity and adaptability forced concrete into new applications and services.

### SPECIFICATIONS FOR CAST STONE

Reported by ACI Committee 704, C. G. WALKER, Chairman

The specifications proposed by the Committee (ACI JOURNAL, Feb. 1942) will come before the convention on a motion for adoption as an Institute Standard.

### RECOMMENDED PRACTICE FOR THE CONSTRUCTION OF CONCRETE SILOS

Reported by ACI Committee 714, WILLIAM W. GURNEY, Chairman

The report (ACI JOURNAL, January 1944) comes before the convention for discussion only, with a view to the adoption of a Standard a year later. Several published reports and papers are evidence of the committee's labors and supply background for the present report, carried through under Mr. Gurney's chairmanship after Prof. C. A. Hughes had donned uniform and engineering insignia of the Canadian Army.

### MINIMUM STANDARD REQUIREMENTS FOR PRECAST CONCRETE FLOOR UNITS

Reported by ACI Committee 711, F. N. MENEFFEE, Chairman

The report (ACI JOURNAL, February 1944) comes before the convention for discussion only with a view to the adoption of a Standard a year later. Silo types covered are 1) I-beam, with cast-in-place or precast slabs; 2) hollow core units; 3) units of channel cross section, often used to form roof slabs; and 4) the orthodox rectangular beam. The report was approved by a substantial majority of the originating committee.

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

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## **AMERICAN CONCRETE INSTITUTE**

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