

Program

WEDNESDAY, SEPTEMBER 10

9:00 a.m.—REGISTRATION—\$1.00 Registration Fee—Foyer near North Ballroom

Registration will be continuous to the end of the meeting.

Wednesday has been designated as Centennial Day and will be left open by all participating societies for special ceremonies including a luncheon, the conferring of special awards and a Convocation Banquet in the evening. Time will also be available to visit the Museum of Science and Industry with its special Centennial exhibits and the Centennial Pageant, "Adam to Atom."

Centennial Registration

A separate Centennial registration desk will be placed conveniently near the ACI registration desk. Centennial Registration, which will be optional for those attending ACI's Regional Meeting, will cost \$3.00. Each registrant will receive a Centennial badge and a master program covering all activities during the Convocation period, September 3-13. Registrants also may purchase tickets for the special functions scheduled by the Centennial on Wednesday, September 10—the Centennial Luncheon and the all-inclusive evening Centennial Party.

Although some societies are accustomed to restricting attendance to those who register with them, it is expected that the registration badge of any society or of the Centennial Corporation will be accepted for admission to any society session during the Convocation.

THURSDAY, SEPTEMBER 11

9:30 a.m.—PRESTRESSED CONCRETE— North Ballroom

Chairman—A. E. CUMMINGS, Director of Research, Raymond Concrete Pile Co., New York

Welcoming remarks by A. T. GOLDBECK, President, ACI, Washington, D. C., and

STEWART MITCHELL, Chairman, Executive Committee, Structural Division, ASCE, Sacramento, California.

A Progress Report on Prestressed Concrete

MYLE J. HOLLEY, JR., Associate Professor of Structural Engineering, Massachusetts Institute of Technology, Cambridge

The Design, Construction and Testing of the Endicott Street Bridge in Danvers, Massachusetts

J. C. RUNDLETT, Bridge Engineer, Massachusetts Dept. of Public Works, Boston

Prestressed Concrete in Tampa Bay Bridge

W. E. DEAN, Engineer of Bridges, Florida State Road Dept., Tallahassee

The Largest Concrete Spans of the Americas: Three Prestressed Concrete Bridges on the New Caracas-La Guaira Highway

ROBERT SHAMA, Consulting Engineer, Freyssinet Co., Inc., New York

Prestressed Elements of New York Harbor Pier 57

E. H. PRAEGER, Chief Engineer, Madigan-Hyland, Long Island City, N. Y.

12:00 Noon—Recess for lunch

2:00 p.m.—Reconvene

Design and Construction of a Fully Vibration-Controlled Forging Hammer Foundation

A. M. KLEIN, Assistant Manager, New York District, Robert W. Hunt Co., New York, and J. H. A. CROCKETT, Chartered Civil and Structural Engineer, London, England

New Design and Construction Methods for Prestressed Concrete

CURZON DOBELL, President, Preload Enterprises, Inc., New York

What Do We Need to Know About Prestressed Reinforced Concrete?

N. M. NEWMARK, Research Professor of Structural Engineering, University of Illinois, Urbana

PCA Program of Investigation of Prestressed Concrete and Results of Some Bond Tests

JACK R. JANNEY, Associate Development Engineer, Portland Cement Assn., Chicago

Progress in Prestressed Concrete Construction

J. F. JELLEY, Rear Admiral, Chief, Bureau of Yards and Docks, Dept. of the Navy, Washington, D. C.

An exhibit of typical prestressing equipment, prepared by Prof. Myle J. Holley, Jr., as an adjunct to the session on prestressed concrete, will be on display in the corridor adjacent to the ACI registration desk. It will be an invaluable opportunity to those who have not witnessed field work in prestressing to see the various methods available. Don't miss it!

FRIDAY, SEPTEMBER 12

**9:30 a.m.—PRECAST AND THIN-SHELL
CONCRETE DESIGN AND CONSTRUCTION—North Ballroom**

Chairman—**STEWART MITCHELL**, Principal Bridge Engineer, California Division of Highways, Sacramento

Precast Concrete in Highway Bridge Construction

ERIC L. ERICKSON, Chief, Bridge Branch, Bureau of Public Roads, Washington, D. C.

Precast Concrete Foundations in New York Harbor Pier 57

E. H. PRAEGER, Chief Engineer, Madigan-Hyland, Long Island City, N. Y.

Precast Concrete Offers New Possibilities for Design of Shell Structures

PIER LUIGI NERVI, Consulting Engineer, Rome, Italy

Presented by **LOUIS P. CORBETTA**, Secretary, Corbetta Construction Co., New York

Reinforced Concrete Shell Construction

CHARLES S. WHITNEY, Partner, Ammann and Whitney, Milwaukee, Wis.

12:00 Noon—Recess for lunch

2:00 p.m.—Reconvene

Analysis and Tests of a Cylindrical Shell Roof Model

BRUNO THURLIMANN, Fritz Engineering Laboratory, Lehigh University, Bethlehem, Pa., and **BRUCE G. JOHNSTON**, Professor of Structural Engineering, University of Michigan, Ann Arbor

Construction Aspects of Thin Shell Structures

ANTON TEDESKO, Manager, Structural Dept., Roberts and Schaefer Co., Chicago

Fire Resistance of Reinforced Concrete Floors

J. P. THOMPSON, Structural Engineer, Structural and Railway Bureau, PCA, Chicago

The opportunity of a lifetime!

With only two months remaining before the Centennial of Engineering Convocation gets under way in Chicago, Members are urged to make final plans for attending what promises to be the most memorable gathering of engineers on record.

The Fifth ACI Regional Meeting to be held jointly with the Structural Division, ASCE, will be an outstanding event as evidenced by the Program.

To assure suitable accommodations, Members are urged to mail the enclosed reservation card to the Hilton immediately. A block of 200 rooms has been set aside for ACI Members but the management cannot assure us that they will be held for reservations received after August 18.

Members of the Institute planning to combine attendance at the Centennial Convocation with a vacation trip for the whole family will find that Chicago, with its extensive and beautiful lake shore development, its 135 parks, and its outlying forest preserves, offers surprising recreational possibilities for a great city. Culturally, it provides such diversions as the Art Institute of Chicago, which has outstanding collections of paintings, prints, ceramics, medieval sculptures, and Oriental art; the Chicago Natural History Museum, noted for its Hall of Babylonian Archeology and for its scientific exhibits; the Chicago Historical Society, with its internationally famous collection of Lincolniana; and the Adler Planetarium and Astronomical Museum. All these, of course, are in addition to the famous Museum of Science and Industry, where exhibits especially developed for the Centennial celebration are being set up.

The choice of Chicago as the Centennial Convocation city is particularly appropriate. Its phenomenal development in the past one hundred years from a frontier town to the second metropolis of the country and the fourth largest city in the world, is in itself a mighty monument to engineering accomplishment.

Convocation of Engineers

Fifth Regional Meeting

of the

*American Concrete
Institute*

in joint sessions



with the

*Structural Division
American Society
of
Civil Engineers*

*The Conrad Hilton
Chicago*

September 10, 11, 12, 1952