

**AMERICAN  
CONCRETE  
INSTITUTE**



**14th  
REGIONAL  
MEETING**

**NOVEMBER 1- 3,  
1961**



**THE  
DINKLER  
TUTWILER  
HOTEL**

**BIRMINGHAM,  
ALABAMA**



**REGISTRATION****WEDNESDAY, NOV. 1****ACI****REGISTRATION FEE: \$3.00**

Registration in the hotel lobby 8:30 a.m. to 5:00 p.m. Wednesday and Thursday, Nov. 1 and 2. . . .8:30 a.m. to 1:00 p.m., Friday, Nov. 3

**COMMITTEES**

**General Chairman** - C.A. Barinowski, Vulcan Materials Co., Birmingham

**Secretary** - J. Shiers Jones, Connors Steel Division, H.K. Porter Co., Inc., Birmingham

**Treasurer** - Raymond E. Strickland, Strickland and Associates, Birmingham

**Technical Program Chairman** - J. H. Appleton, University of Alabama, Birmingham Center, Birmingham. Also S.R. Millhouse, Universal Atlas Cement Division, U. S. Steel Corp., Birmingham; and Wallace J. McRoy, Hazzard, McRoy & Cone, Birmingham

**Publicity Chairman** - Lloyd R. Belcher, The Rust Engineering Co., Birmingham

**Registration Chairman** - Frank E. Lindstrom, Sullivan, Long & Hogerty, Birmingham

**Membership Promotion Chairman** - J.M. Faircloth, University of Alabama, University, Ala. Also F.M. Hudson, Auburn University, Auburn, Ala.; and Clive Luke, Wilmore, Hudson & Luke, Birmingham

**Finance Chairman** - C.A. Barinowski (Ex officio)

**Ladies' Entertainment Chairman** - John H. Lanier, John H. Lanier Co., Birmingham

9:00 a.m.  
to 5:00 p.m.

**TECHNICAL COMMITTEE MEETINGS**

See bulletin board near registration desk for exact time and location of various committee meetings

**THURSDAY, NOV. 2**

8:00 a.m.

**BREAKFAST** for all scheduled program participants. Colonial Room

9:30 a.m. to  
12:00 Noon

**FIRST GENERAL SESSION.** Ballroom

Chairman: C.A. Barinowski, special consultant, Vulcan Materials Co., Birmingham, Ala.

Welcome by the Honorable James Morgan, Mayor of Birmingham.

**Silo Design and Construction** - Lloyd Belcher, chief structural engineer, and George Shalas, design engineer, Rust Engineering Co., Birmingham, Ala.

**Design, Fabrication, and Testing of Lightweight Precast Concrete Framing** - Ross H. Bryan, consulting engineer, Nashville, Tenn.

**Design and Construction of the 19th Street Underpass** - G.A. Heft, consulting engineer, G.A. Heft & Co., New Orleans, La.

12:15 p.m.

**LUNCHEON.** Dinkler Room

**Modern Resources for Better Concrete Work** - ACI President Lewis H. Tuthill, concrete engineer, California Department of Water Resources, Sacramento, Calif.



**THURSDAY, NOV. 2**

**CONCURRENT SESSIONS**



**ACI**

**2:00 p.m.  
to 5:00 p.m. MATERIALS SESSION.** Ballroom

Chairman: Clayton L. Davis, director, Quality and Technical Services, Universal Atlas Cement Division, U.S. Steel Corp., New York, N.Y.

**Development of Blast Furnace Slag Uses in Concrete** – Earl M. Fowler, chief inspector, Birmingham Slag Division, Vulcan Materials Co., Birmingham, Ala.

**Concrete Chimneys** – Max Zar, associate, Sargent & Lundy, Chicago, Ill.

**Optimum Air Content for Interior Mass Concrete** – William O. Tynes, chief of General Investigations Section, Concrete Division, U. S. Army Engineer Waterways Experiment Station, Jackson, Miss.

**Investigation of Abnormal Cracking in Highway Structures in Georgia and Alabama** – Calvin C. Oleson, principal research engineer, Research and Development Laboratories, Portland Cement Association, Skokie, Ill.

**2:00 p.m.  
to 5:00 p.m. DESIGN SESSION.** Terrace Room

Chairman: D.M. McCain, head, Department of Civil Engineering, Mississippi State University, State College, Miss.

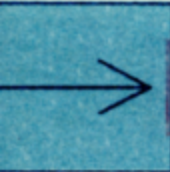
**Use of Field Testing as a Design Aid** – R. C. Elstner, consulting engineer, The Engineers Collaborative, Chicago, Ill.

**Service Load Design vs. Ultimate Load Design for Prestressed Concrete** – Narbey Khachaturian, associate professor, Department of Civil Engineering, University of Illinois, Urbana, Ill.

**Differential Shrinkage Effects in Composite Beams** – Dan E. Branson, associate professor, Department of Civil Engineering, University of Alabama, Tuscaloosa, Ala.

**6:00 p.m.  
to 7:30 p.m. SOCIAL HOUR.** Dinkler Room





**FRIDAY, NOV. 3**

**LADIES PROGRAM**

**ACI**

9:00 a.m. to  
12:00 Noon

**RESEARCH SESSION.** Ballroom

Chairman: F.M. Hudson, professor, Department of Civil Engineering, Auburn University, Auburn, Ala.

**Behavior of Reinforced Concrete Beams with Closely Spaced Reinforcement** – James P. Romualdi, associate professor, and Gordon B. Batson, graduate research assistant, Department of Civil Engineering, Carnegie Institute of Technology, Pittsburgh, Pa.

**Development Length of High Strength Reinforcing Bars in Bond** – Phil M. Ferguson and J. Neils Thompson, professors, Department of Civil Engineering, University of Texas, Austin, Texas.

**Experimental Investigation of Load Distribution Characteristics of a Prestressed Concrete Multi-Beam Bridge** – C.R. Bramer, professor, F. L. Moreadith and E. P. Loppacker, graduate students, Department of Civil Engineering, North Carolina State College, Raleigh, N.C.

**Behavior of Composite T-Beams Using Epoxy Resins as the Shear Connector** – James D. Kriegh, assistant professor, Elton G. Endebrock, research assistant, and Gene M. Nordby, professor and head, Department of Civil Engineering, University of Arizona, Tucson, Ariz.

2:00 p.m.  
to 4:00 p.m.

**FIELD TRIP TO 19th STREET UNDERPASS**

**LADIES HOSPITALITY ROOM.** Inquire at registration desk for location.

Thursday,  
Nov. 2,  
12:00 Noon

**LUNCHEON** at 'The Club' atop Red Mountain, followed by bus tour of Birmingham residential areas

**FINANCIAL SPONSORS**



Portland Cement Association

Connors Steel Division, H.K. Porter Company, Birmingham, Ala.

Sullivan, Long & Hagerty, Birmingham, Ala.

Vulcan Materials Company, Birmingham, Ala.

(Names of additional contributors were not available at time of program printing.)

