BOARD OF DIRECTION

President

CHESTER P. SIESS

Vice-Presidents

JOSEPH H. WALKER
RUSSELL S. FLING

Directors

WILLIAM M. AVERY
JOHN E. BREEN
T. Z. CHASTAIN
JOHN L. GOETZ
IB FALK JORGENSEN
JAMES G. MACGREGOR
IGNACIO MARTIN
CHARLES J. PANKOW
FRANCIS J. PRINCIPE
MORRIS SCHUPACK
NORMAN L. SCOTT
BERTOLD E. WEINBERG

Past Presidents

W. J. McCoy
EDWARD COHEN  ROBERT E. PHILLEO

Executive Director

WILLIAM A. MAPLES*

*American Concrete Institute
P.O. Box 19150
Detroit, Michigan 48219

TECHNICAL ACTIVITIES COMMITTEE

PAUL KLIJGER, Chairman
SAMUEL J. HENRY, Secretary*
JOHN E. BREEN
T. Z. CHASTAIN
RUSSELL S. FLING
HOWARD NEWLON, JR.
CHARLES J. PANKOW
EDWARD O. PFURANG
THOMAS J. READING
PETER SMITH
PAUL ZIA

EDUCATIONAL ACTIVITIES COMMITTEE

EMERY FARKAS, Chairman
GILBERT E. SEELEY, Secretary*
CUTBERTO DIAZ-GOMEZ
EDWARD L. KAWALA
EMORY L. KEMP
BOYD C. RINGO
DENNIS T. SMITH

GENERAL ACTIVITIES COMMITTEE

FRANCIS J. PRINCIPE, Chairman
ROBERT E. WILDE, Secretary*
W. BURR BENNETT
HALVARD W. BIRKELAND
JAMES R. LIBBY
GEORGE H. PARIS
NORMAN L. SCOTT
KENNETH D. SIMMONS
CHARLES W. WILSON

*American Concrete Institute
P.O. Box 19150
Detroit, Michigan 48219
CONVENTION COMMITTEE

JOHN L. GOETZ, Chairman
HOWARD W. SMITH, Secretary*
J. R. FLOREY
SAMUEL J. HENRY
DANIEL P. JENNY
FRANCIS J. PRINCIPE
GILBERT E. SEELEY
DENNIS T. SMITH
PETER SMITH
ROBERT E. WILDE

*American Concrete Institute
P.O. Box 19150
Detroit, Michigan 48219

PROGRAM
FALL CONVENTION
October 26-November 1, 1974
Atlanta, Georgia

Registration fees cover attendance at all ACI technical and educational committee meetings, general session, and symposia. They do not cover the educational workshop on Thursday evening for which there is a charge of $15.00.

<table>
<thead>
<tr>
<th>contents</th>
<th>page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breakfasts for program participants</td>
<td>6</td>
</tr>
<tr>
<td>Schedule</td>
<td>7</td>
</tr>
<tr>
<td>Special Events</td>
<td>6</td>
</tr>
<tr>
<td>Committee Meetings</td>
<td>8</td>
</tr>
<tr>
<td>Floor Plan of Meeting Rooms</td>
<td>12-13</td>
</tr>
<tr>
<td>General Session</td>
<td>17</td>
</tr>
<tr>
<td>Symposium on Segmental Bridge Design and Construction (first session)</td>
<td>15</td>
</tr>
<tr>
<td>Symposium on Segmental Bridge Design and Construction (second session)</td>
<td>16</td>
</tr>
<tr>
<td>Symposium on Inspection</td>
<td>17</td>
</tr>
<tr>
<td>Forum on Research and Development on Determination of Contract Strength Requirements for Concrete Structures</td>
<td>18</td>
</tr>
<tr>
<td>Slab Design and Construction Workshop</td>
<td>19</td>
</tr>
<tr>
<td>Construction Session</td>
<td>20</td>
</tr>
<tr>
<td>Lessons Learned from Failures of Concrete Structures</td>
<td>21</td>
</tr>
<tr>
<td>Women’s Program</td>
<td>22</td>
</tr>
<tr>
<td>Future ACI Conventions</td>
<td>24</td>
</tr>
<tr>
<td>ACI Atlanta Convention Committee</td>
<td>23</td>
</tr>
<tr>
<td>ACI Educational Seminar Schedule for Fall, 1974</td>
<td>6</td>
</tr>
</tbody>
</table>
special events

Publications Display . . . in the Crystal Lounge. All the current ACI publications are there. Orders are taken at the Registration Desk which is also in the Crystal Lounge.

“Concrete Mixer” social hour . . . Wednesday, 6:30 to 8:00 p.m., in the Georgian Ballroom. Please wear your badge.

Forum: Research and Development Program on Determination of Contract Strength Requirements for Concrete Structures by Testing Cores and Other Field Methods. Sponsored by ACI Committee 114 in cooperation with ACI Committee 214. Thursday, 7:00 to 10:00 p.m., in the Georgian Ballroom.

Slab Design and Construction Workshop . . . Sponsored by ACI Educational Committee E-704 in cooperation with ACI Educational Committee E-702. Thursday, 7:00 to 11:00 p.m., in the Seminar Center. Registration fee: $15.00, payable at the ACI Registration Desk.

Breakfasts (by invitation only):

Wednesday, October 30, 7:00 a.m.
breakfast for program participants in the Symposium on Segmental Bridge Design and Construction. Mezzanine Room.

Thursday, October 31, 7:00 a.m.
breakfast for program participants in the General Session and the Symposium on Inspection. Mezzanine Room.

Friday, November 1, 7:00 a.m.
breakfast for program participants in the Construction Session and the session on Lessons Learned From Failures of Concrete Structures. Mezzanine Room.

ACI EDUCATIONAL SEMINARS
SCHEDULE FOR FALL, 1974

November 5
Using the Strength Design Handbook
Jacksonville, Fla.

November 7
Using the Strength Design Handbook
Tampa, Fla.

November 21-22
Nuclear Power Plant Construction

December 5-6
Earthquake Resistant Concrete Structures
Mexico City, Mexico

schedule

SUNDAY, OCTOBER 27
2:00 p.m. - 6:00 p.m.
Administrative committee meetings

MONDAY, OCTOBER 28
8:30 a.m. - 6:00 p.m.
Technical, educational, and administrative committee meetings

TUESDAY, OCTOBER 29
8:30 a.m. - 9:00 p.m.
Technical, educational, and administrative committee meetings

WEDNESDAY, OCTOBER 30
8:30 a.m. - 6:00 p.m.
Technical, educational, and administrative committee meetings
9:00 a.m. - 12:00 noon
Symposium on Segmental Bridge Design and Construction (first session) (Committees 423 and 443)
1:30 p.m. - 5:30 p.m.
Symposium on Segmental Bridge Design and Construction (second session) (Committees 423 and 443)
6:30 p.m. - 8:00 p.m.
Concrete Mixer

THURSDAY, OCTOBER 31
9:30 a.m. - 12:00 noon
General Session
2:00 p.m. - 10:00 p.m.
Technical, educational, and administrative committee meetings
2:00 p.m. - 5:00 p.m.
Symposium on Inspection (Committee 311)
7:00 p.m. - 10:00 p.m.
Forum on Research and Development on Determination of Contract Strength Requirements for Concrete Structures (Committee 114, cosponsored by Committee 214)
7:00 p.m. - 11:00 p.m.
Slab Design and Construction Workshop (Committees E-704 and E-702)

FRIDAY, NOVEMBER 1
9:00 a.m. - 12:00 noon
Session on Construction
9:00 a.m. - 12:00 noon
Lessons Learned from Failures of Concrete Structures
COMMITTEE MEETINGS

Be sure to check the bulletin board for last minute changes or added meetings.

COMMITTEE MEETING

SUNDAY, Oct. 27  2 p.m.-6 p.m.
Technical Activities Committee  Georgia

MONDAY, Oct. 28  8:30 a.m.-10:30 a.m.
Technical Activities Committee  Georgia
General Activities Committee  Alabama
Bylaws Revision Committee  Directors Room
114 Research and Development  Louisiana
211 Subcommittee 7, Mix Proportioning of Mass Concrete  Florida
303 Architectural Concrete  Room C
318 Subcommittee E, Analysis and Strength Requirements  Room F
344 Circular Prestressed Concrete Structures  Seminar A
351 Foundations for Equipment and Machinery  Arkansas
352 Joints and Connections in Monolithic Concrete Structures  Mezzanine Room
428 Limit Design  Seminar East
515 Coatings for Concrete  Tennessee
544 Fiber Reinforced Concrete  Texas Suite
E-703 Enchiridia — Construction  Room E

10:30 a.m.-12:30 p.m.
Technical Activities Committee  Georgia
General Activities Committee  Alabama
211 Proportioning Concrete Mixes  Florida
303 Architectural Concrete  Room C
318 Subcommittee B, Concrete Quality, Mixing and Placement  Room F
344 Circular Prestressed Concrete Structures  Seminar A
351 Foundations for Equipment and Machinery  Arkansas
352 Joints and Connections in Monolithic Concrete Structures  Mezzanine Room
515 Coatings for Concrete  Tennessee
531 Masonry Structures  Texas Suite
547 Refractory Concrete  Mississippi
E-703 Enchiridia — Construction  Room E
E-704 Enchiridia — Building Code  Room D

2 p.m.-4 p.m.

Board Committee on International Activities
303 Architectural Concrete  Directors Room
305 Hot Weather Concreting  Room C
315 Detailing Reinforced Concrete Structures  Room E
318 Subcommittee A, General Building Code  Seminar B
318 Subcommittee F, Serviceability  Seminar Center
325 Concrete Pavements  Florida
351 Foundations for Equipment and Machinery  Arkansas
421 Design of Reinforced Concrete Slabs  Seminar East
515 Coatings for Concrete  Tennessee
531 Masonry Structures  Texas Suite
547 Refractory Concrete  Mississippi
E-601 Seminars and Workshops  Mazzanine Room

4 p.m.-6 p.m.

Planning Committee
120 History of Concrete  Seminar A
212 Admixtures  Room C
305 Hot Weather Concreting  Room E
315 Detailing Reinforced Concrete Structures  Seminar B
318 Subcommittee A, General Building Code  Room F
318 Subcommittee F, Serviceability  Seminar Center
318 Subcommittee H, Shear and Torsion  Arkansas
318 Subcommittee N, Seismic Provisions  Room D
325 Concrete Pavements  Florida
421 Design of Reinforced Concrete Slabs  Seminar East
515 Coatings for Concrete  Tennessee
531 Masonry Structures  Texas Suite
547 Refractory Concrete  Mississippi
E-601 Seminars and Workshops  Mazzanine Room

TUESDAY, Oct. 29  8:30 a.m.-10:30 a.m.

Educational Activities Committee  Louisiana
Specifications Review Committee  Alabama
103 Monographs  Room C
214 Evaluation of Results of Tests Used to Determine Strength of Concrete  Room E
223 Expansive Cement Concrete  Room D
309 Consolidation of Concrete  Seminar East
318 Subcommittee D, Details and Development of Reinforcement  Arkansas
318 Subcommittee G, Flexure and Axial Loads  Seminar B
340 Ultimate Strength Design Handbook  Seminar Center
347 Formwork for Concrete  Room F
348 Structural Safety  Mississippi
350 Sanitary Engineering Structures  Georgia
355 Anchorage to Concrete  Directors Room
408 Bond Stress  Seminar A
423 Prestressed Concrete  Mezzanine Room
437 Strength Evaluation of Existing Concrete Structures  Tennessee
10:30 a.m.-12:30 p.m.

--- Educational Activities Committee
--- Specifications Review Committee
--- TAC Ad Hoc Committee on Concrete
--- Subcommittee D, Details and Development of Reinforcement
--- Subcommittee I, Slab Systems
--- Ultimate Strength Design Handbook
--- Formwork for Concrete
--- Structural Safety
--- Sanitary Engineering Structures
--- Anchorage to Concrete
--- Prestressed Concrete
--- Shear and Diagonal Tension
--- Deflection of Concrete Building Structures
--- Accelerated Curing of Concrete at Atmospheric Pressure
--- Enchiridia — Materials

2 p.m.-4 p.m.

--- Educational Activities Committee
--- TAC Composite Construction Study Group
--- Mass Concrete
--- Lightweight Aggregates and Lightweight Aggregate Concrete
--- Corrosion of Metals in Concrete
--- Specifications for Structural Concrete
--- Cold Weather Concreting
--- Inspection of Concrete
--- Task Group on Progressive Collapse
--- Prestressed Concrete
--- Shear and Diagonal Tension
--- High Strength Reinforcement in Concrete
--- Concrete Bridge Design
--- Shotcreting
--- High Pressure Steam Curing

4 p.m.-6 p.m.

--- Educational Activities Committee
--- Chapter Activities Committee
--- Nomenclature
--- Specifications for Structural Concrete
--- Measuring, Mixing, Transporting and Placing Concrete

7 p.m.-9 p.m.

--- Task Group on Simplification
--- Task Group on Progressive Collapse
--- Prestressed Concrete (with Subcommittee L of Committee 318)
--- Shear and Diagonal Tension
--- Reinforced Concrete Columns
--- Concrete Bridge Design
--- Adhesives for Concrete
--- Shotcreting
--- Precast Structural Concrete
--- High Pressure Steam Curing
--- Curing Concrete
--- Task Group on Systems Building
--- Task Group on Plain Concrete

WEDNESDAY, Oct. 30 8:30 a.m.-10:30 a.m.

--- Use of Computers
--- Durability of Concrete
--- Concrete Floor Finishes
--- Standard Building Code
--- Residential Concrete Work
--- Industrialized Concrete Construction
--- Torsion
--- Joint Sealants
--- Portland Cement Plastering
--- Precast Panels
--- Repair of Concrete

9 a.m.-12 noon

SYMPOSIUM ON SEGMENTAL BRIDGE DESIGN AND CONSTRUCTION (Sponsored by ACI Committees 423 and 443) (first session)

--- Task Group on Prestressed Concrete
--- Task Group on Progressive Collapse
--- Prestressed Concrete (with Subcommittee L of Committee 318)
--- Shear and Diagonal Tension
--- Reinforced Concrete Columns
--- Concrete Bridge Design
--- Adhesives for Concrete
--- Shotcreting
--- Precast Structural Concrete
--- High Pressure Steam Curing
--- Curing Concrete
--- Task Group on Systems Building
--- Task Group on Plain Concrete

9:30 a.m.-12 noon

Board of Direction

10:30 a.m.-12:30 p.m.

--- Use of Computers
--- Durability of Concrete
--- Concrete Floor Finishes
--- Standard Building Code
--- Residential Concrete Work
--- Industrialized Concrete Construction
--- Torsion
--- Joint Sealants
--- Portland Cement Plastering
--- Precast Panels
--- Repair of Concrete

1:30 p.m.-5:30 p.m.

SYMPOSIUM ON SEGMENTAL BRIDGE DESIGN AND CONSTRUCTION (second session)

--- Inspection Task Force, Concrete Components for Nuclear Reactors
--- Torsion
--- Precast Panels
--- Repair of Concrete

--- Inspection of Concrete
--- Subcommittee L, Prestressed Concrete (with Committee 423)
--- Mezzanine Room
--- Task Group on Simplification
--- Seminar Center
--- Task Group on Progressive Collapse
--- Room C
--- Prestressed Concrete (with Subcommittee L of Committee 318)
--- Mezzanine Room
--- Shear and Diagonal Tension
--- Reinforced Concrete Columns
--- Concrete Bridge Design
--- Adhesives for Concrete
--- Shotcreting
--- Precast Structural Concrete
--- Room D
--- High Pressure Steam Curing
--- Curing Concrete
--- Task Group on Systems Building
--- Task Group on Plain Concrete
--- Use of Computers
--- Durability of Concrete
--- Concrete Floor Finishes
--- Standard Building Code
--- Residential Concrete Work
--- Industrialized Concrete Construction
--- Torsion
--- Joint Sealants
--- Portland Cement Plastering
--- Precast Panels
--- Repair of Concrete

--- Information Task Force, Concrete Components for Nuclear Reactors
--- Torsion
--- Precast Panels
--- Repair of Concrete

--- Inspection of Concrete
THURSDAY, Oct. 31 9:30 a.m.-12 noon
GENERAL SESSION — See Page 17 Georgian Ballroom

2 p.m.-4 p.m.
- Standards Board
- Convention Committee
- 209 Creep and Shrinkage in Concrete
- 215 Fatigue of Concrete
- 318 Standard Building Code
- 336 Combined Footings and Pier Foundations
- E-801 Student Concrete Projects

2 p.m.-5 p.m.
SYMPOSIUM ON INSPECTION (Sponsored by ACI Committee 311) See Page 17 Georgian Ballroom

4 p.m.-6 p.m.
- Convention Committee
- 318 Standard Building Code

FRIDAY, Nov. 1 9 a.m.-12 noon
CONSTRUCTION SESSION — See Page 20 Sheraton Hall A

7 p.m.-10 p.m.
FORUM ON RESEARCH AND DEVELOPMENT ON DETERMINATION OF CONTRACT STRENGTH REQUIREMENTS FOR CONCRETE STRUCTURES
(Sponsored by ACI Committee 114 in cooperation with ACI Committee 214) See Page 18 Georgian Ballroom

318 Standard Building Code

7 p.m.-11 p.m.
SLAB DESIGN AND CONSTRUCTION WORKSHOP
(Sponsored by ACI Committee E-704 in cooperation with ACI Committee E-702) See Page 19 Seminar Center

FRIDAY, Nov. 1 9 a.m.-12 noon
CONSTRUCTION SESSION — See Page 20 Sheraton Hall A

LENSSES LEARNED FROM FAILURES OF CONCRETE STRUCTURES — See Page 21 Georgian Ballroom

wednesday, october 30
9:00 a.m. - 12:00 noon
SYMPOSIUM ON SEGMENTAL BRIDGE DESIGN AND CONSTRUCTION
sponsored by ACI Committees 423 and 443

Session Chairman: Neil M. Hawkins, professor of civil engineering, University of Washington, Seattle, Washington

Session I: Segmental Box Girder Bridges
Segment Design: A Critique of Considerations for Proportioning
James R. Libby, president, Libby-Perkins Engineers, San Diego, California
Current Practice in Segment Precasting, Erection, and Joints
Brice F. Bender, president, Segmental Technology & Services, Lafayette, Indiana
Epoxy Adhesives in Prestressed and Precast Bridge Construction
Raymond J. Schutz, vice president, Research and Development, Sika Chemical Corporation, Lyndhurst, New Jersey
Lessons Learned from Design and Construction of the Corpus Christi Bridge
John E. Breen, professor of civil engineering, University of Texas at Austin, Austin, Texas

Presentation of the 1974 Prestressed Concrete Institute Award to the Bridge Division, Texas Highway Department for the Gulf Intracoastal Waterway Bridge, the first precast segmental box girder bridge in the United States.

Río de Janeiro-Niterói Bridge
Gerard F. Fox, partner, Howard, Needles, Tammen & Bergendoff, New York, New York
Wednesday, October 30
1:30 p.m. - 5:30 p.m.

Symposium on Segmental Bridge Design and Construction

Sponsored by ACI Committees 423 and 443

Georgian Ballroom

Session Chairman: Clifford L. Freyermuth, chairman, ACI Committee 423, and director, Post-Tensioning Division, Prestressed Concrete Institute, Chicago, Illinois

Session II:
1:30 p.m. - 2:30 p.m.

Session II A: Precast Segmental Girder Bridges

Pre-Moistened Segmental Girder Bridges
Arthur R. Anderson, senior vice president, Concrete Technology Corporation, Tacoma, Washington

Simplifying Segmental Bridge Construction for Skew Bridges by Using Squared-Off Abutments
Morris Schupack, president, Schupack Associates and Company, Stamford, Connecticut
2:30 p.m. - 4:00 p.m.

Session II B: Cast-in-Place Cantilevered Bridges

Design and Construction of Pine Valley and New Melones Bridges
Richard Dobken, bridge engineer-planning, California Department of Transportation, Sacramento, California

Cast-in-Place Cantilever Bridge Construction
Richard Heinem, president, Dyckerhoff and Widmann, Inc., New York, New York
4:00 p.m. - 5:00 p.m.

Session II C: Cable-Stayed Bridges and Incremental Launching

Chaco-Corrientes Bridge
Herbert B. Rothman, partner, Amman and Whitney Consulting Engineers, New York, New York

Columbia River Bridge and Incremental Launching
Arvid P. Grant, partner, Grant and Leonhardt, Consulting Structural Engineers, Olympia, Washington
5:00 p.m. - 5:30 p.m.

Panel Discussion
All Symposium Participants.

Thursday, October 31
9:30 a.m. - 12:00 noon

General Session

Georgian Ballroom

Raymond E. Davis Lecture: Moving the Spirit to R & D in Concrete
Richard C. Milenzo, vice president, Research and Development, Master Builders, Cleveland, Ohio

Presentation of Certificates

Skyline Towers Apartment Collapse, Bailey's Crossroads, Virginia


History of Concrete in Atlanta and Southeastern United States
Eugene H. Bocian, Jr., construction consultant, Atlanta, Georgia

Proposed Revision of "Recommended Practice for Selecting Proportions for No-Stump Concrete (ACI 211-65)"
John R. Wilson, chairman, ACI Committee 211, and director of technical services, Cement and Lime Division, Martin-Marietta Company, Baltimore, Maryland

Proposed Revision of "Recommended Practice for Concrete Inspection (ACI 311-64)"
Bertold E. Weinberg, chairman, ACI Committee 311, and project manager, Dormitory Authority of the State of New York, Elsmere, New York

Session II: Paving Bridges and Incremental Launching

Chaco-Corrientes Bridge
Herbert B. Rothman, partner, Amman and Whitney Consulting Engineers, New York, New York

Columbia River Bridge and Incremental Launching
Arvid P. Grant, partner, Grant and Leonhardt, Consulting Structural Engineers, Olympia, Washington
5:00 p.m. - 5:30 p.m.

Panel Discussion
All Symposium Participants.

Session Chairman: Bertold E. Weinberg, chairman, ACI Committee 311, and project manager, Dormitory Authority of the State of New York, Elsmere, New York

Concrete Quality Control Instruments
T. W. Van Zelst, president, Scitest, Inc., Evanston, Illinois

Inspection Requirements for Precast Concrete
Irwin J. Speyer, consultant engineer, New York, New York

Inspection Requirements for Building Construction
James R. Cagley, consulting structural engineer, Martin & Cagley, Rockville, Maryland

Inspection Requirements for Highway Construction
Ortun Riley, associate, Howard, Needles, Tammen & Bergendoff, Haverford, Pennsylvania

The Contractor's Inspection Requirements
Michael A. Lombard, chairman of the board, The Lombard Company, Alsip, Illinois

Progress through knowledge
SLAB DESIGN AND CONSTRUCTION WORKSHOP

sponsored by ACI Committee E-704 in cooperation with ACI Committee E-702

Seminar Center

This is a construction workshop for engineers and designers. It is aimed at those wishing to expand their knowledge of two-way reinforced concrete slab design and at those wanting to learn slab design. Participants will increase their understanding of the behavior of two-way slabs and of the analysis of procedures specified in ACI 318-71, Building Code. The direct design and equivalent frame methods will be discussed. Details of steel placement to assure desired slab performance will be included. Examples and pass-outs will be distributed. Discussion will also be presented on certain construction aspects of slab behavior concentrating on formwork, shoring, and reconstruction.

Enrollment is limited, therefore, early registration is advised. Registration fee is $15.00.

7:00 p.m. - 7:30 p.m.
Registration: Workshop starts promptly at 7:30 p.m.

7:30 p.m. - 7:40 p.m.
Introduction: Overview and Intent of Workshop Series.
Emery Farkas, chairman, ACI Educational Activities Committee, and general sales manager, W. R. Grace & Company, Cambridge, Massachusetts

7:40 p.m. - 8:20 p.m.
Behavior: Behavior, objective, and general aspects of two-way reinforced concrete slab analysis, design, and construction. The continuity of two-way action including formwork, openings, reconstruction, etc., related to the analysis and design process will be discussed.
Boyd C. Ringo, professor of civil engineering, Department of Civil and Environmental Engineering, University of Cincinnati, Cincinnati, Ohio

8:20 p.m. - 9:00 p.m.
Direct Design: The direct design method of ACI 318-71 including analysis and design will be presented with attention to the calculation process, including distributions of loadings and moments and determination of required reinforcing steel.
William J. Wilhelm, chairman, ACI Committee E-702, and acting chairman, Department of Civil Engineering, West Virginia University, Morgantown, West Virginia

9:00 p.m. - 9:15 p.m.
Break for Refreshments and Questions.
9:15 p.m. - 9:50 p.m.  
**Equivalent Frame**  
The equivalent frame method of ACI 318-71, including determination of stiffnesses and the calculation process will be presented. The direct design and equivalent frame methods constitute an integrated presentation.  
Emary L. Kemp, professor of civil engineering, Department of Civil Engineering, West Virginia University, Morgantown, West Virginia

9:50 p.m. - 10:30 p.m.  
**Details**  
Proper selection of reinforcing steel and concrete details, including embedment, etc., to assure the proper continuity of the resultant product will be discussed. Slab maintenance, concrete quality, and other related factors will be included.  
Donald E. Hoeffel, partner, Miller, Tallarico, McNinch and Hoeffel, Cincinnati, Ohio

10:30 p.m. - 11:00 p.m.  
**Summary**  
This time will be devoted to answering questions, summarizing the overall presentation, and catching up in general.

11:00 p.m.  
Adjournment.

---

**friday, november 1**  
9:00 a.m. - 12:00 noon  

**LESSONS LEARNED FROM FAILURES OF CONCRETE STRUCTURES**  

**Georgia Ballroom**  

**Panel 1: Gymnasium Roof of Tucker High School, Richmond, Virginia**  

**Moderator:** John E. Breen, professor, Department of Civil Engineering, University of Texas at Austin, Austin, Texas  

**Panel:** Thomas A. Hanson, owner, Thomas A. Hanson & Associates, Richmond, Virginia, will give an introduction to the structures, model studies, design, and construction.  
Richard C. Elstner, partner, Wiss, Janney, Elstner and Associates, Northbrook, Illinois, will discuss the failure and its investigation.  
William A. Stuart, II, associate, Wiley & Wilson, Inc., Lynchburg, Virginia, will talk about the collapse: a structural analysis.  
Mark Fintel, director of engineering design and standards, Portland Cement Association, Skokie, Illinois, will relate the lessons learned and look ahead.

---

**Panel II: Skyline Towers Parking Garage, Bailey's Crossroads, Virginia**  

**Moderator:** Russell S. Fling, president, R. S. Fling & Partners, Inc., Columbus, Ohio  

**Panel:** Ned H. Burns, associate professor of civil engineering, University of Texas at Austin, Austin, Texas, will relate the design system of the garage to his research and model test.  
Arthur R. Meenen, Sverdrup & Parcel and Associates, Inc., St. Louis, Missouri, will review the collapse mechanism—Why did it collapse?  
Edgar V. Leyendecker, structural research engineer, Building Research Division, National Bureau of Standards, Washington, D.C., will discuss the proposed model test of the parking garage.  
Edward Cohen, partner, Ammann & Whitney Consulting Engineers, New York, New York, will present a general discussion on catastrophic loading on flat plates.

---

*Note: The handwritten notes on the image are not transcribed.*
women's program
Hospitality: Carolinas Room

schedule:

MONDAY, OCTOBER 28
Afternoon: A special Surprise for all the Women! (Y'all will enjoy this one!)

TUESDAY, OCTOBER 29
Take a coach to famous Underground Atlanta for a guided tour of the City-Beneath-a-City. Luncheon at a choice of two fantastic restaurants at your pleasure. Browse the many shops and boutiques including Lester Maddox's Pick Handle Shop. (You must buy a Lester Maddox Tee Shirt!)

WEDNESDAY, OCTOBER 30
Evening: "Concrete Mixer" social hour.

THURSDAY, OCTOBER 31
Your choice of two tours: Tour A takes you to Cyclorama—a memorial of the Battle of Atlanta in sight and sound . . . then to Stone Mountain Park, 3200 acres of scenic beauty and interesting attractions. Stop for a visit to Memorial Hall for a close-up view of the world's largest carving. Walk through the Plantation—an authentic antebellum complex of 19 buildings. Enjoy a Scenic skylift ride to the summit of the mountain for a panoramic view of the countryside—or cruise the lake in a replica of a riverboat. Hear a concert played on the world's largest electronic carillon. Enjoy a specially planned luncheon at the Stone Mountain Inn—a real Southern Treat! Tour B takes you off for a day of Southern history and beauty to visit homes of the past, being lived in at the present, and preserved for the future. Tour beautiful Madison, Georgia—a town spared by General William Sherman on his famous March to the Sea. Enjoy Southern hospitality as several families, living in antebellum homes, open their doors to give you a glimpse into the gracious past. Relax over a glass of Southern minted tea served in one of the homes. Tour an interesting antebellum church and museum. Enjoy a specially planned luncheon in a quiet setting, then off for a visit to the Monastery at Conyers for a guided tour of the grounds, greenhouse, and the spectacular modern gothic church built entirely by the Trappist Monks. Browse in their store which features all items made by the Monks.

Morning coffee and light refreshments will be provided, starting at 9:00 a.m. on Monday morning in the Women's Hospitality room. The women will be registered and badges will be typed for them in this room, also.

ATLANTA CONVENTION COMMITTEE

General Chairman
Richard A. Muenow
Law Engineering Testing Company

Secretary-Treasurer
George H. Nelson
Nelson & Associates

Finance Committee
T. Z. Chastain, Chairman
Chastain & Tindel Inc.

Eugene H. Boeke, Jr.
Beers Construction Company

Glen DeLoache
Gifford-Hill & Company

Session Monitors
Russell Brown
Georgia Institute of Technology

Women's Program
Richard Arnold
Atlanta Testing & Engineering Company

Social Events
Donald Musser
Portland Cement Association

Publicity & Membership
Mack Tucker
Georgia Concrete Products Association Inc.

The officers, staff, and members of ACI would like to thank the Local Committee, the Hostesses, the Chapter, and the Contributors for their part in the 1974 Fall Convention.
AMERICAN CONCRETE INSTITUTE

aci

Fall Convention

PROGRAM

ATLANTA, GEORGIA
October 26- November 1
1974
Sheraton-Biltmore
SCHEDULE

SUNDAY, OCTOBER 27
2:00 p.m. - 6:00 p.m.
Administrative committee meetings

MONDAY, OCTOBER 28
8:30 a.m. - 6:00 p.m.
Technical, educational, and administrative committee meetings

TUESDAY, OCTOBER 29
8:30 a.m. - 9:00 p.m.
Technical, educational, and administrative committee meetings

WEDNESDAY, OCTOBER 30
8:30 a.m. - 6:00 p.m.
Technical, educational, and administrative committee meetings
9:00 a.m. - 12:00 noon
Symposium on Segmental Bridge Design and Construction (first session) (Committees 423 and 443)
1:30 p.m. - 5:30 p.m.
Symposium on Segmental Bridge Design and Construction (second session) (Committees 423 and 443)
6:30 p.m. - 8:00 p.m.
Concrete Mixer

THURSDAY, OCTOBER 31
9:30 a.m. - 12:00 noon
General Session
2:00 p.m. - 10:00 p.m.
Technical, educational, and administrative committee meetings
2:00 p.m. - 5:00 p.m.
Symposium on Inspection (Committee 311)
7:00 p.m. - 10:00 p.m.
Forum on Research and Development on Determination of Contract Strength, Requirements for Concrete Structures (Committee 114, cosponsored by Committee 214)
7:00 p.m. - 11:00 p.m.
Slab Design and Construction Workshop (Committees E-ru4 and E-702)

FRIDAY, NOVEMBER 1
9:00 a.m. - 12:00 noon
Session on Construction
9:00 a.m. - 12:00 noon
Lessons Learned from Failures of Concrete Structures

ACI EDUCATIONAL SEMINARS
SCHEDULE FOR FALL, 1974

November 5
Using the Strength Design Handbook
Jacksonville, Fla.

November 7
Using the Strength Design Handbook
Tampa, Fla.

November 21-22
Nuclear Power Plant Construction

December 5-6
ACI FUTURE CONVENTIONS

April 6 - 11
1975 Annual Convention
Boston, Massachusetts

November 1 - 7
1975 Fall Convention
Vancouver, B. C., Canada

March 28 - April 2
1976 Annual Convention
Philadelphia, Pennsylvania

October 24 - 29 (tentative)
1976 Fall Convention
Mexico City, Mexico

March 27 - April 1
1977 Annual Convention
San Diego, California

October 16 - 21 (tentative)
1977 Fall Convention
New Orleans, Louisiana

April 9 - 14
1978 Annual Convention
Toronto, Ontario, Canada

October 29 - November 3 (tentative)
1978 Fall Convention
Houston, Texas
ACI FUTURE CONVENTIONS

April 6 - 11
1975 Annual Convention
Boston, Massachusetts

November 1 - 7
1975 Fall Convention
Vancouver, B. C., Canada

March 28 - April 2
1976 Annual Convention
Philadelphia, Pennsylvania

October 24 - 29 (tentative)
1976 Fall Convention
Mexico City, Mexico

March 27 - April 1
1977 Annual Convention
San Diego, California

October 16 - 21 (tentative)
1977 Fall Convention
New Orleans, Louisiana

April 9 - 14
1978 Annual Convention
Toronto, Ontario, Canada

October 29 - November 3 (tentative)
1978 Fall Convention
Houston, Texas