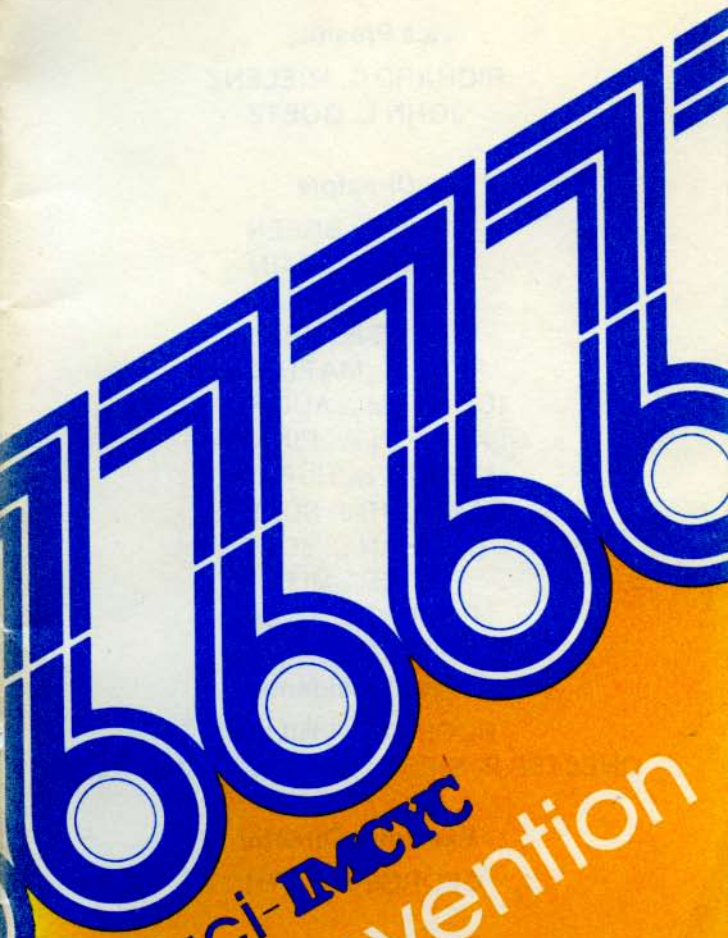


mexico city



1976 aci-**IMCIC**
fall convention
october 24-29
camino real hotel

*Convention
Office Copy*

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FALL CONVENTION PROGRAM



October 24-29, 1976
Mexico, D. F., Mexico

Registration fees cover attendance at all ACI technical and educational committee meetings, general session, and symposia.

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SCHEDULE

SUNDAY, OCTOBER 24

2:00 p.m.-6:00 p.m.
Administrative committee meetings

MONDAY, OCTOBER 25

8:30 a.m.-9:30 p.m.
Administrative and technical committee meetings

TUESDAY, OCTOBER 26

8:30 a.m.-9:30 p.m.
Administrative, technical, and educational committee meetings

WEDNESDAY, OCTOBER 27

8:30 a.m.-6:00 p.m.
Administrative, technical, and educational committee meetings

9:00 a.m.-12:00 noon
Limit Design (Committee 428)

9:00 a.m.-12:00 noon
International Symposium on Polymers in Concrete (Committee 548) (1st of 2 sessions)

10:00 a.m.-12:30 p.m.
Student Activities Session

2:00 p.m.-5:00 p.m.
International Symposium on Polymers in Concrete (2nd of 2 sessions)

2:00 p.m.-5:00 p.m.
Research on Plain and Reinforced Concrete (Committee 115)

2:00 p.m.-5:30 p.m.
First Panamerican Symposium on Concrete Education

THURSDAY, OCTOBER 28

9:00 a.m.-12:00 noon
General Session

2:00 p.m.-6:00 p.m.
Concrete in Mexico

2:00 p.m.-6:00 p.m.
International Symposium on Accelerated Strength Testing (Committee 214)

2:00 p.m.-6:00 p.m.
Administrative, technical, and educational committee meetings

7:00 p.m.-9:00 p.m.
Concrete Mixer

FRIDAY, OCTOBER 29

9:00 a.m.-12:30 p.m.
Douglas McHenry International Symposium on Concrete and Concrete Structures (1st of 2 sessions)

12:30 p.m.-2:00 p.m.
Symposium Luncheon (Tickets to be purchased)

2:00 p.m.-5:30 p.m.
Douglas McHenry International Symposium on Concrete and Concrete Structures (2nd of 2 sessions)

SPECIAL EVENTS

Publications Display...in the registration area in the lobby. All the current ACI publications are there. Orders are taken at the Registration Desk.

Expo Concrete 76...The Local Committee has organized an exposition of products of concrete and related materials which is open throughout the week. In the Calder Salon.

Film Presentation...Monday, Tuesday, and Wednesday at 8:30 a.m. These films exhibit various concrete structures erected recently in Mexico City. In the Taxco room.

Education at the Convention...the First Panamerican Symposium on Concrete Education is scheduled on Wednesday afternoon in the Molino del Rey. It is hoped that this Symposium will be the beginning of the correlation and expansion of the efforts of the various cement and concrete organizations in the Americas toward the on-going education of all those working in the concrete industry.

Also — for the first time — a short session has been scheduled on Wednesday morning for the attending student. It starts at 10:00 a.m. and is a must for those students who are currently studying concrete in design and construction.

"Concrete Mixer"...Thursday, October 28, 7:00 to 9:00 p.m., in the Chapultepec. Please wear your badge.

Breakfasts (by invitation only):

Tuesday, October 26, 7:00 a.m.

Breakfast for program participants in the First Panamerican Symposium on Concrete Education. Fouquet's de Paris room.

Wednesday, October 27, 7:00 a.m.

Breakfast for program participants in the session on Limit Design, the International Symposium on Polymers in Concrete, and the session on Research on Plain and Reinforced Concrete. Fouquet's de Paris room.

Thursday, October 28, 7:00 a.m.

Breakfast for program participants in the General Session, the session on Concrete in Mexico, and the International Symposium on Accelerated Strength Testing. Fouquet's de Paris room.

Friday, October 29, 7:00 a.m.

Breakfast for program participants in both sessions of the Douglas McHenry International Symposium on Concrete and Concrete Structures and the Luncheon program. Fouquet's de Paris room.

Special tours...have been planned by the Local Convention Committee. Be sure to check the Family Members' Program in the back of this booklet for tours of interest to you. There will be at least one and probably several. Don't miss them!

COMMITTEE MEETINGS

During this Fall Convention in Mexico City, some one hundred technical committees will be in session for a week. The average number of committee members is twenty, and the majority of their working sessions is open to interested observers.

In addition to the committee work, several international symposiums have been programmed, for which simultaneous translation equipment will be available (English-Spanish and Spanish-English).

TECHNICAL VISIT TO THE INNER CIRCUIT FREEWAY

This visit will be made in collaboration with the Public Works Office of the Department of the Federal District on Friday, October 29, and includes a tour of the different stages of this project, an important part of the solution to Mexico City's traffic problem. Interested delegates may obtain a detailed program of the tour at the Convention's Information Desk.

KNOW THE MEXICANS

On Tuesday, October 26, the foreign delegates will have an opportunity to meet the Mexican professionals in concrete, who will open their homes to the ACI delegates previously registered with their wives for a **Noche Mexicana**.



Mexican tax

Mexicans must still pay their country's 15% tax on food and drink at nightclubs and restaurants. But foreign visitors can now avoid the levy by showing their passport or tourist card. The tax was first imposed in 1974 to funnel more money into Mexico's impoverished rural areas. Meanwhile, Mexicans and tourists alike must still pay the regular 4% sales tax on bills.

MEXICO CITY

The city of Tenochtitlan was founded in 1325 by a Nahuatl tribe, the Aztecs, who had come from the northwest on a pilgrimage. They were obeying a divine order to "establish a city in the place where they found an eagle perched on a cactus plant devouring a serpent." That happy discovery occurred on an island in Lake Texcoco, where the Nahuatl people devoted themselves to the task of building

When the Spaniards arrived in 1519, this small tribe and its island capital had developed into a formidable empire and the first great city on the American Continent known to the West. The Spanish chronicles tell us that it was a city constructed with an extraordinary sense of planning. At its heart were the temples of the great ceremonial center, and the island was communicated with the mainland by three broad causeways.

Modern Mexico City is constructed over what was Tenochtitlan and, as a vast metropolis, is transformed at an accelerated rhythm that has converted it in only a few years from a tranquil and provincial city into a modern, dynamic capital with tall buildings, broad avenues, extensive residential areas, and an industrial development that faithfully reflects its progress.

INFORMATION DESK

Bilingual personnel staffing the information desk of the Convention will be on permanent duty to attend the delegates throughout the week.

As a part of the hospitality program, each delegate will receive a "Concrete Survival Kit" designed to make his stay in Mexico City more interesting. The delegates will also be provided with information on shops, restaurants, bars, nightclubs, reviews of the week's spectacles, doctors of different specialties, etc., to assure them a pleasant visit.

The Hospitality Committee will prepare a daily bulletin on activities of the participants, in order that they may appreciate the atmosphere in which the Convention develops.



COMMITTEE MEETINGS

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

COMMITTEE

Meeting Room

Sunday

OCTOBER 24

8:30 a.m. - 12:30 p.m.

---- Technical Activities Committee

Oaxaca A

Monday

OCTOBER 25

8:30 a.m. - 10:30 a.m.

---- Technical Activities Committee

Oaxaca A

---- Educational Activities Committee

Renoir

212 Admixtures

Taxco

318 Subcommittee D, Details and Development of Reinforcement

Lautrec

318 Subcommittee F, Serviceability

l'Opera

344 Circular Prestressed Concrete Structures

Molino del Rey

352 Joints and Connections in Monolithic Concrete Structures

l'Etoile

531 Masonry Structures

Camelias

547 Refractory Concrete

Oaxaca B

8:30 a.m. - 12:30 p.m.

FILM PRESENTATION See Page 4

Taxco

---- Technical Activities Committee

Oaxaca A

---- Educational Activities Committee

Renoir

---- International Activities Committee

Chapultepec

---- Planning Committee

Arco Iris

318 Subcommittee D, Details and Development of Reinforcement

Lautrec

318 Subcommittee F, Serviceability

l'Opera

344 Circular Prestressed Concrete Structures

Molino del Rey

352 Joints and Connections in Monolithic Concrete Structures

l'Etoile

531 Masonry Structures

Camelias

547 Refractory Concrete

Oaxaca B

2:00 p.m. - 4:00 p.m.

---- Technical Activities Committee

Oaxaca A

---- Educational Activities Committee

Renoir

303 Architectural Concrete

Jardin

315 Details of Concrete Reinforcement

Chapultepec

318 Subcommittee B, Concrete Quality, Mixing, and Placement

Lautrec

Tuesday

318	Subcommittee E, Analysis and Strength Requirements	I'Opera
318	Subcommittee G, Flexure and Axial Loads	I'Etoile
318	Subcommittee I, Slab Systems	Champs Elysees
318	Subcommittee K, Precast and Composite Concrete	Arco Iris
318	Subcommittee N, Earthquake Resistant Design Requirements	Taxco
344	Circular Prestressed Concrete Structures	Molino del Rey
531	Masonry Structures	Camelias
547	Refractory Concrete	Oaxaca B

4:00 p.m. - 6:00 p.m.

----	Technical Activities Committee	Oaxaca A
114	Research and Development	Molino del Rey
303	Architectural Concrete	Jardin
315	Details of Concrete Reinforcement	Chapultepec
318	Subcommittee B, Concrete Quality, Mixing, and Placement	Lautrec
318	Subcommittee E, Analysis and Strength Requirements	I'Opera
318	Subcommittee G, Flexure and Axial Loads	I'Etoile
318	Subcommittee I, Slab Systems	Champs Elysees
318	Subcommittee K, Precast and Composite Concrete	Arco Iris
318	Subcommittee N, Earthquake Resistant Design Requirements	Taxco
332	Residential Concrete Work	Renoir
531	Masonry Structures	Camelias
547	Refractory Concrete	Oaxaca B

7:30 p.m. - 9:30 p.m.

----	Technical Activities Committee	Oaxaca A
318	Subcommittee A, General Building Code	Renoir
318	Subcommittee C, Framework, Embedded Pipes, and Construction Joints	Lautrec
318	Subcommittee H, Shear and Torsion	Oaxaca B
318	Subcommittee J, Footings	I'Opera
318	Subcommittee M, Shells and Folded Plates	I'Etoile
318	Task Group on Code Simplification	Jardin
318	Task Group on Composite Construction	Arco Iris
318	Task Group on Plain Concrete	Champs Elysees
318	Task Group on Progressive Collapse	Taxco
318	Task Group on Systems Building	Degas
531	Masonry Structures	Camelias



OCTOBER 26	8:30 a.m. - 10:30 a.m.
----	Specifications Review Committee
201	Durability of Concrete
207	Mass Concrete
211	Subcommittee 7, Proportioning Mass Concrete
223	Expansive Cement Concrete
318	Standard Building Code
348	Structural Safety
426	Shear and Diagonal Tension
439	Steel Reinforcement
512	Precast Structural Concrete
523	Insulating and Cellular Concretes
546	Repair of Concrete
547	Refractory Concrete
E-601	Seminars and Workshops

Lautrec
Molino del Rey
Chapultepec
Jardin
Chapultepec
Camelias
Oaxaca A
Arco Iris
Molino del Rey
I'Etoile
I'Opera
Molino del Rey
Oaxaca B
Taxco

8:30 a.m. - 12:30 p.m.

FILM PRESENTATION See Page 4 Taxco

----	Specifications Review Committee	Lautrec
118	Use of Computers	I'Etoile
201	Durability of Concrete	Molino del Rey
211	Proportioning Concrete Mixes	Jardin
214	Evaluation of Results of Tests Used to Determine the Strength of Concrete	Chapultepec
318	Standard Building Code	Camelias
348	Structural Safety	Oaxaca A
426	Shear and Diagonal Tension	Arco Iris
439	Steel Reinforcement	Molino del Rey
503	Adhesives for Concrete	I'Opera
544	Fiber Reinforced Concrete	Chapultepec
547	Refractory Concrete	Oaxaca B

2:00 p.m. - 4:00 p.m.

----	Chapter Activities Committee	Chapultepec
----	Convention Committee	Renoir
116	Nomenclature	Arco Iris
118	Use of Computers	I'Etoile
215	Fatigue of Concrete	Molino del Rey
224	Cracking	Taxco
303	Architectural Concrete	Jardin
318	Standard Building Code	Camelias
350	Sanitary Engineering Structures	Lautrec
358	Concrete Guideways	I'Opera
408	Bond and Development of Reinforcement	Oaxaca B
442	Response of Buildings to Lateral Forces	Molino del Rey
515	Coatings for Concrete	Oaxaca A
544	Fiber Reinforced Concrete	Chapultepec



4:00 p.m. - 6:00 p.m.

----	Convention Committee	Renoir
118	Use of Computers	I'Etoile
213	Lightweight Aggregates and Lightweight Aggregate Concrete	Molino del Rey
224	Cracking	Taxco
303	Architectural Concrete	Jardin
318	Standard Building Code	Camelias
350	Sanitary Engineering Structures	Lautrec
358	Concrete Guideways	I'Opera
408	Bond and Development of Reinforcement	Oaxaca B
435	Deflection of Concrete Building Structures	Chapultepec
442	Response of Buildings to Lateral Forces	Molino del Rey
515	Coatings for Concrete	Oaxaca A
544	Fiber Reinforced Concrete	Chapultepec
548	Polymers in Concrete	Molino del Rey
E-701	Materials for Concrete Construction	Chapultepec

7:30 p.m. - 9:30 p.m.

318	Standard Building Code	Camelias
-----	------------------------	----------

Wednesday

OCTOBER 27

8:30 a.m. - 10:30 a.m.

120	History of Concrete	Taxco
305	Hot Weather Concreting	Champs Elysees
311	Inspection of Concrete	Oaxaca A
347	Formwork for Concrete	Oaxaca B
349	Concrete Nuclear Structures	Lautrec
349	Concrete Nuclear Structures	Arco Iris
437	Strength Evaluation of Existing Concrete Structures	Renoir
443	Concrete Bridge Design	I'Etoile
E-702	Designing Concrete Structures	I'Opera

9:00 a.m. - 12:00 noon

LIMIT DESIGN (Sponsored by ACI Committee 428)
See Page 14 Molino del Rey

INTERNATIONAL SYMPOSIUM ON POLYMERS IN CONCRETE (Sponsored by ACI Committee 548)
(first session) See Page 15 Chapultepec

---- **Board of Direction** Camelias

10:00 a.m. - 12:30 p.m.

STUDENT ACTIVITIES SESSION (Sponsored by ACI Educational Activities Committee)
See Page 16 Jardin



8:30 a.m. - 12:30 p.m.

FILM PRESENTATION See Page 4 Taxco

104	Notation	Renoir
305	Hot Weather Concreting	Champs Elysees
311	Inspection of Concrete	Oaxaca A
347	Formwork for Concrete	Oaxaca B
349	Concrete Nuclear Structures	Lautrec
349	Concrete Nuclear Structures	Arco Iris
443	Concrete Bridge Design	I'Etoile
517	Accelerated Curing of Concrete at Atmospheric Pressure	I'Opera

2:00 p.m. - 4:00 p.m.

----	Board of Direction	Camelias
306	Cold Weather Concreting	Taxco
307	Reinforced Concrete Chimneys	I'Opera
311	Inspection of Concrete	Oaxaca A
340	Strength Design Handbook	Renoir
347	Formwork for Concrete	Oaxaca B
349	Concrete Nuclear Structures	Lautrec
349	Concrete Nuclear Structures	Arco Iris
438	Torsion	I'Etoile
506	Shotcreting	Champs Elysees

2:00 p.m. - 5:00 p.m.

INTERNATIONAL SYMPOSIUM ON POLYMERS IN CONCRETE (Sponsored by ACI Committee 548)
(second session) See Page 17 Chapultepec

RESEARCH ON PLAIN AND REINFORCED CONCRETE (Sponsored by ACI Committee 115)
See Page 22 Jardin

2:00 p.m. - 5:30 p.m.

FIRST PANAMERICAN SYMPOSIUM ON CONCRETE EDUCATION (Sponsored by American Concrete Institute, Mexican Cement and Concrete Institute, and Panamerican Federation of Engineering Associations) See Page 20 Molino del Rey

4:00 p.m. - 6:00 p.m.

----	Board of Direction	Camelias
306	Cold Weather Concreting	Taxco
307	Reinforced Concrete Chimneys	I'Opera
347	Formwork for Concrete	Oaxaca B
349	Concrete Nuclear Structures	Lautrec
349	Concrete Nuclear Structures	Arco Iris
356	Industrialized Concrete Construction	Oaxaca A
428	Limit Design	Renoir
438	Torsion	I'Etoile
506	Shotcreting	Champs Elysees



Thursday

OCTOBER 28 9:00 a.m. - 12:00 noon
GENERAL SESSION See Page 23 Molino del Rey

2:00 p.m. - 4:00 p.m.
Renoir

- **Standards Board**
209 **Subcommittee V** (Creep and Shrinkage in Concrete) l'Etoile
309 Consolidation of Concrete Oaxaca B
345 Concrete Bridge Construction and Maintenance Lautrec
421 Design of Reinforced Concrete Slabs Taxco
441 Reinforced Concrete Columns Oaxaca A
504 Joint Sealants Champs Elysees
E-801 Student Concrete Projects l'Opera

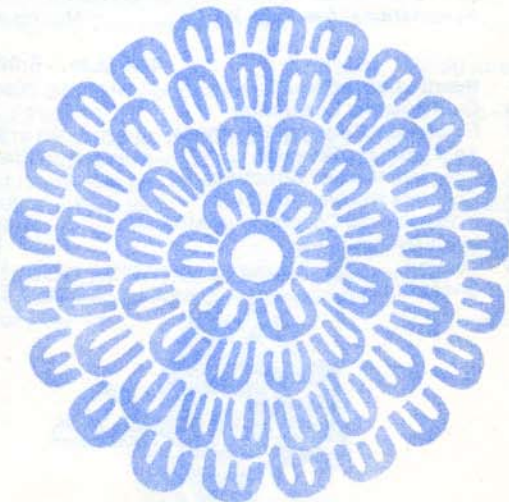
2:00 p.m. - 6:00 p.m.

CONCRETE IN MEXICO (Sponsored by the Mexican Cement and Concrete Institute)
See Page 24 Molino del Rey

INTERNATIONAL SYMPOSIUM ON ACCELERATED STRENGTH TESTING (Sponsored by ACI Committee 214) See Page 25 Salon del Sol

4:00 p.m. - 6:00 p.m.

- **Board Metric Study Group** Oaxaca A
209 Creep and Shrinkage in Concrete l'Etoile
309 Consolidation of Concrete Oaxaca B
345 Concrete Bridge Construction and Maintenance Lautrec
421 Design of Reinforced Concrete Slabs Taxco
E-703 Concrete Construction Practices Renoir
E-801 Student Concrete Projects l'Opera



Friday

OCTOBER 29 8:30 a.m. - 10:30 a.m.

- 210 Erosion of Concrete in Hydraulic Structures Lautrec
222 Corrosion of Metals in Concrete l'Etoile
225 Hydraulic Cements Renoir
301 Specifications for Structural Concrete Taxco
423 Prestressed Concrete l'Opera
516 High Pressure Steam Curing Oaxaca A

9:00 a.m. - 12:30 p.m.

DOUGLAS McHENRY INTERNATIONAL SYMPOSIUM ON CONCRETE AND CONCRETE STRUCTURES
(first session) See Page 27 Salon del Sol

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

- 221 Aggregates Renoir
301 Specifications for Structural Concrete Taxco
423 Prestressed Concrete l'Opera
516 High Pressure Steam Curing Oaxaca A

12:30 p.m. - 2:00 p.m.

SYMPOSIUM LUNCHEON See Page 28 Molino del Rey

2:00 p.m. - 5:30 p.m.

DOUGLAS McHENRY INTERNATIONAL SYMPOSIUM ON CONCRETE AND CONCRETE STRUCTURES
(second session) See Page 29 Salon del Sol



Wednesday

Wednesday, October 27
9:00 a.m. - 12:00 noon

LIMIT DESIGN

sponsored by ACI Committee 428

Molino del Rey

Session Chairman: Richard W. Furlong, professor of civil engineering, University of Texas at Austin, Austin, Texas

Nonlinear Seismic Design of Multistory Frames

V. V. Bertero, professor, Department of Civil Engineering, University of California, Berkeley, California

Limit Design of Prestressed Concrete Bridges

Herbert A. Sawyer, Jr., professor, and Ching-Long Sheih, graduate student, Department of Civil Engineering, University of Florida, Gainesville, Florida

Re-examination of Maximum Strain and Rotation Criteria for Tied Columns

J. Stephen Ford, assistant professor, School of Civil Engineering and Environmental Science, University of Oklahoma, Norman, Oklahoma; and John E. Breen, professor, Department of Civil Engineering, University of Texas at Austin, Austin, Texas

Probabilistic Limit Design of Concrete Structures

M. K. Ravindra, senior engineering analyst, Sargent and Lundy, Chicago, Illinois

Limit Design of Unbraced Frames

Franz N. Rad, associate professor, Department of Engineering and Applied Science, Portland State University, Portland, Oregon

The Significance of Structural Serviceability in Reinforced Concrete Limit Design

Eric F. P. Burnett, associate professor, and M. M. Ali, graduate student, Department of Civil Engineering, University of Waterloo, Waterloo, Ontario



Wednesday, October 27
9:00 a.m. - 12:00 noon

INTERNATIONAL SYMPOSIUM ON POLYMERS IN CONCRETE

sponsored by ACI Committee 548

Chapultepec

Session Chairman: George C. Hoff, chief, Materials Properties Branch, Concrete Laboratory, U.S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi

Session I

Field Evaluation of the Polymer Impregnation of New Bridge Deck Surfaces

John P. Hallin, contract manager, Implementation Division, Federal Highway Administration, Washington, D.C.

Polymer Impregnated Concrete Repairs at Dworshak Dam

Ernest K. Schrader and Richard A. Kaden, civil engineers, U.S. Army Engineer District, Walla Walla, Washington; David W. Fowler, director of architectural engineering, University of Texas at Austin, Austin, Texas; and Rod Stebbins, Premier Waterproofing, Denver, Colorado

Structural Applications of Polymer-Impregnated Concrete

W. F. Chen, professor of civil engineering, Purdue University, West Lafayette, Indiana; H. C. Mehta, research assistant, Fritz Engineering Laboratory, John A. Manson, director, Polymer Laboratory, and J. W. Vanderhoff, director, Center for Surface and Coatings, Lehigh University, Bethlehem, Pennsylvania

Building Structural Restoration Using Monomer Impregnation

Albert O. Kaeding, structural engineer, Breyer-Nermyr and Associates, Bismarck, North Dakota

Polymer-Impregnated Concrete Pipe Prepared by Centrifugal Force Impregnation Technique

Toshifumi Sugama, chemical engineer, Tokyo Concrete Industry Company, Ltd., Tokyo, Japan



Wednesday, October 27
10:00 a.m. - 12:30 p.m.

STUDENT ACTIVITIES SESSION

sponsored by ACI Educational
Activities Committee

Jardin

Opening Remarks

Emery Farkas, chairman, ACI Educational Activities Committee, and general manager, Rock Processing Chemicals, Construction Products Division, W. R. Grace and Company, Cambridge, Massachusetts

Student Activities in the American Concrete Institute

Boyd C. Ringo, professor, Department of Civil and Environmental Engineering, University of Cincinnati, Cincinnati, Ohio

The American Concrete Institute in Continuing Education

William J. Wilhelm, chairman, Department of Civil Engineering, West Virginia University, Morgantown, West Virginia

Discussion

Break

New Developments in Concrete Design

Raul Alamo Neidhart, head, Industrial Research Department, Mexican Cement and Concrete Institute, Mexico, D.F.

New Developments in Concrete Construction

Alvaro Sanchez, professor, Graduate Division, School of Architecture, National Autonomous University of Mexico, Mexico, D.F.

Discussion

Closing Remarks

Raul Diaz Gomez, head, Education Department, Mexican Cement and Concrete Institute, Mexico, D.F.



Wednesday, October 27
2:00 p.m. - 5:00 p.m.

INTERNATIONAL SYMPOSIUM ON POLYMERS IN CONCRETE

sponsored by ACI Committee 548

Chapultepec

Session Chairman: George C. Hoff, chief, Materials Properties Branch, Concrete Laboratory, U.S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi

Session II

Investigation on Concrete Impregnated with Sulphur at Atmospheric Pressure

S. P. Shah, professor of civil engineering, A. E. Naaman, assistant professor of structural design, and R. H. Smith; research assistant, Department of Materials Engineering, University of Illinois at Chicago Circle, Chicago, Illinois

Long-Term Strength and Durability of Sulphur-Infiltrated Concrete

V. M. Malhotra, director, George G. Carrette and James A. Soles, research engineers, Mineral Sciences Laboratory, CANMET, Department of Energy, Mines and Resources, Ottawa, Ontario

Furane Resin Concrete and Its Applications for Large Diameter Sewer Pipes

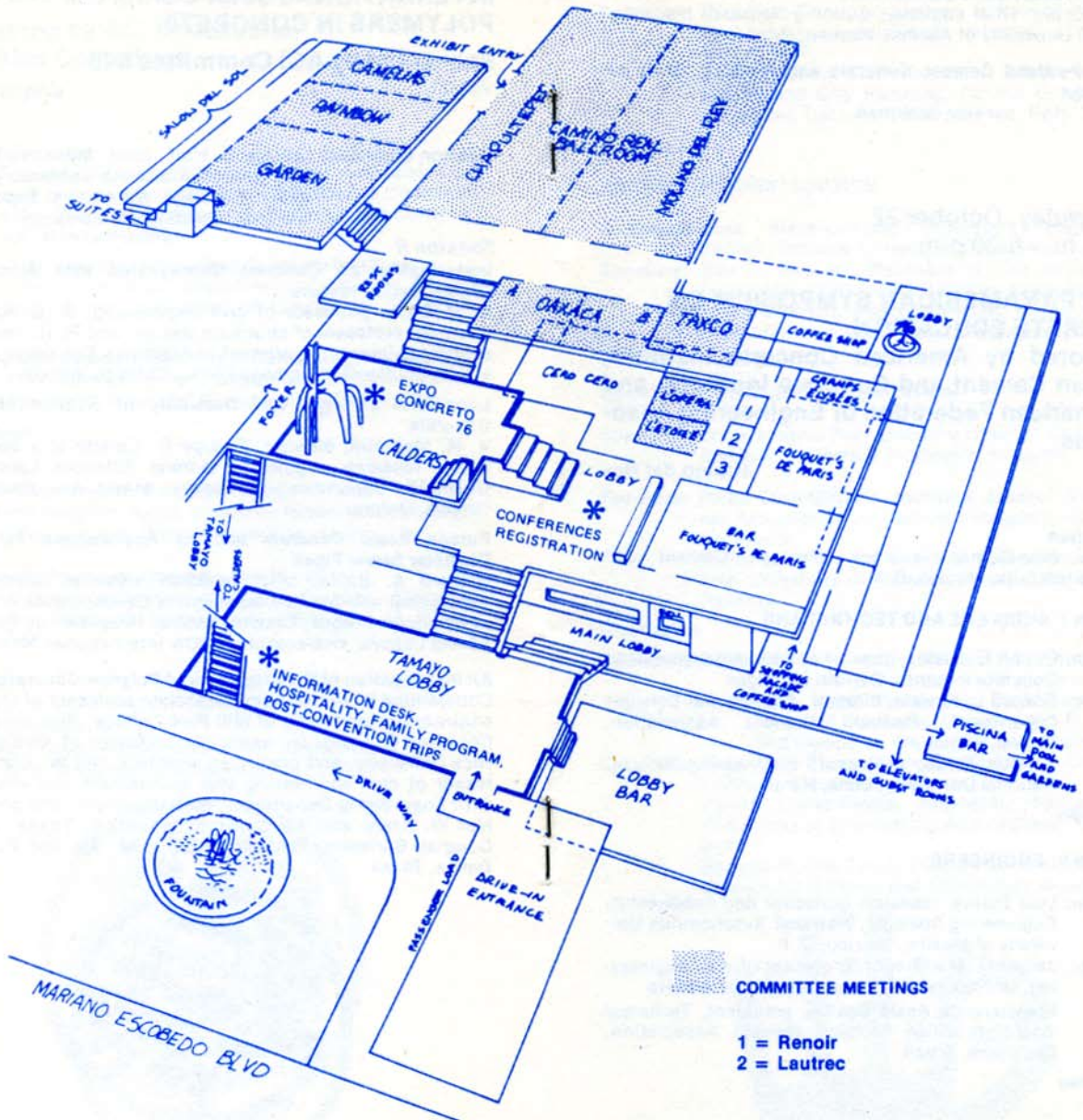
Richard A. Bares, chief research scientist, Institute of Theoretical and Applied Mechanics, Czechoslovak Academy of Sciences, Prague, Czechoslovakia. Presented by Fernando Favela Lozoya, vice-president, ICA International, Mexico, D.F.

An Investigation of the Properties of Polymer Concretes

Constantine D. Armeniades, associate professor of chemical engineering and master of Will Rice College, Rice University; Chalmers G. Long, Jr., associate professor of Architecture, Rice University, and practicing architect; Nat W. Krahl, professor of civil engineering and architecture and chairman, Civil Engineering Department, Rice University, and principal, Nat W. Krahl and Associates, Houston, Texas; and J. Douglas Burleson, field architect, I. M. Pei and Partners, Dallas, Texas



FLOOR PLAN



Polymer Concrete

Richard C. Prusinski, president, Architectural Research Corporation, Livonia, Michigan

Time-Dependent Characteristics of Polymer Mortars for Bonding Precast Concrete Members

Harald Schorn, chief engineer, Building Research Institute, Technical University of Aachen, Aachen, Germany

Polymer-Portland Cement Concrete and Mortars: State of Knowledge

George C. Hoff, session chairman

Wednesday, October 27

2:00 p.m. - 5:30 p.m.

FIRST PANAMERICAN SYMPOSIUM ON CONCRETE EDUCATION

sponsored by American Concrete Institute, Mexican Cement and Concrete Institute, and Panamerican Federation of Engineering Associations

Molino del Rey

Introduction

Cutberto Diaz-Gomez, director, Mexican Cement and Concrete Institute, Mexico, D. F.

SECTION I: WORKERS AND TECHNICIANS

Chairman: Gilbert E. Seeley, director of education, American Concrete Institute, Detroit, Michigan

Speakers: Edward L. Kawala, director, Educational Services Department, Portland Cement Association, Skokie, Illinois
Enrique Rivas, professor, Engineering School, National University, Lima, Peru

Discussion

SESSION II: ENGINEERS

Chairman: Luis Esteva, research professor and subdirector, Engineering Institute, National Autonomous University of Mexico, Mexico, D. F.

Speakers: James G. MacGregor, professor of civil engineering, University of Alberta, Edmonton, Alberta
Francisco de Assis Basilio, president, Technical Board, Brazilian Portland Cement Association, Sao Paulo, Brazil

Discussion

SECTION III: ARCHITECTS

Chairman: Hernan Rodas-Andrade, professor, Engineering School, National University of Cuenca, Cuenca, Ecuador

Speakers: Raul Diaz-Gomez, professor, School of Architecture, National Autonomous University of Mexico, Mexico, D.F.
Alfredo Cilento-Sarli, professor, School of Architecture and City Planning, Central University of Venezuela, Caracas, Venezuela

Discussion

SECTION IV: CONSTRUCTION

Chairman: Jose Meza-Cuadra, professor, Engineering School, National University, Lima, Peru

Speakers: Ben C. Gerwick, professor of civil engineering, University of California, Berkeley, California
Luis Fernando Meyer, director, Group Parana-Hidroservice, Itaipu Project, Asuncion, Paraguay.

Discussion

SECTION V: CONTINUING EDUCATION

Chairman: Jorge Ignacio Paz, executive director, Colombian Institute of Cement Producers, Medellin, Colombia

Speakers: Pedro Elias Olivares, technical director, Venezuelan Association of Cement Producers, Caracas, Venezuela
Victor Levi, general director, Polytechnical Institute, University of Panama, Panama, Republic of Panama

Discussion

CONCLUSIONS: Emery Farkas, chairman, ACI Educational Activities Committee, and general manager, Rock Processing Chemicals, Construction Products Division, W. R. Grace and Company, Cambridge, Massachusetts

CLOSING: Russell S. Fling, President, American Concrete Institute, Columbus, Ohio
Carlos Lopez-Rivera, President, Panamerican Federation of Engineering Associations, Mexico, D. F.
Gerardo Bueno-Zirion, Director General, National Council for Science and Technology, Mexico, D.F.



Wednesday, October 27

2:00 p.m. - 5:00 p.m.

RESEARCH ON PLAIN AND REINFORCED CONCRETE

(Brief and confidential unpublished reports) sponsored by ACI Committee 115

Jardin

Session Chairman: Boris Bresler, chairman, ACI Committee 115, and professor, Department of Civil Engineering, University of California, Berkeley, California

Secretary: M. A. Ward, secretary, ACI Committee 115, and professor, Department of Civil Engineering, The University of Calgary, Calgary, Alberta

Model for Deformation and Cracking of Plain Concrete

David Darwin, Department of Civil Engineering, University of Kansas, Lawrence, Kansas

Strength and Ductility of Reinforced Concrete Columns with Rectangular Ties

Shamin Sheikh and S. M. Uzumeri, Department of Civil Engineering, University of Toronto, Toronto, Ontario

Moment Transfer to Columns in Prestressed Concrete Slabs

Neil M. Hawkins, Department of Civil Engineering, University of Washington, Seattle, Washington

Interaction of High-Rise Steel Frame Buildings with Reinforced Concrete Shear Walls

Celal N. Kostem and J. M. Notch, Fritz Engineering Laboratory, Lehigh University, Bethlehem, Pennsylvania

Bond Strength of Deformed Bars and the Effect of the Deformation Pattern

Anders Losberg, Chalmers University of Technology, Goteborg, Sweden

Complete Stress-Strain Curves for Normal Weight and Lightweight High Strength Concrete

F. Wang, S. P. Shah, and A. E. Naaman, Department of Materials Engineering, University of Illinois at Chicago Circle, Chicago, Illinois

Reinforced Concrete Coupling Beams Subjected to Reversing Loads

B. G. Rabbat, G. B. Barney, and Anthony E. Fiorato, Portland Cement Association, Skokie, Illinois

Field Performance of 9,000-11,000 PSI Concrete Columns

Jaime Moreno, Material Service Corporation, Chicago, Illinois; Henry G. Russell, Structural Development Section; and W. Gene Corley, Engineering Development Department, Portland Cement Association, Skokie, Illinois

Moment Transfer in Slab-Column Connections: Static and Dynamic Responses

Walter Dilger, Amin Ghali, and M. Elmasri, Civil Engineering Department, University of Calgary, Calgary, Alberta

A Study of the Basic Polymerization Process in Polymer Impregnated Concrete Using Dielectric Analysis

Z. Sanjana and Muthian Gunasekaran, Ceramics and Glasses Department, Westinghouse Research Laboratories, Pittsburgh, Pennsylvania

Thursday

Thursday, October 28

9:00 a.m. - 12:00 noon

GENERAL SESSION

Molino del Rey

Session Chairman: Cutberto Diaz-Gomez, general chairman, 1976 Fall ACI-IMCYC Convention, and director, Mexican Cement and Concrete Institute, Mexico, D. F.

Address

Russell S. Fling, President, ACI, and president, R. S. Fling & Partners, Inc., Columbus, Ohio

Address

Manuel Mariscal, Chairman of the Board, Mexican Cement and Concrete Institute, Mexico, D. F.

Keynote Address

Luis E. Bracamontes, Secretary of Public Works, México, D.F.

Raymond E. Davis Lecture: Games People Play with Concrete

Lewis H. Tuthill, concrete engineering consultant, Sacramento, California

Acknowledgment of Chapter Officers

Equivalent Frames Stiffness Solution for Lateral and Gravity Loads

Domenico Parma, president, Domenico Parma and Associates, Bogota, Colombia

Presentation of Proposed Revision of "ACI 214-65, Recommended Practice for Evaluation of Strength Test Results of Concrete"

V. M. Malhotra, chairman, ACI Committee 214, and director, Mineral Sciences Laboratory, CANMET, Department of Energy, Mines and Resources, Ottawa, Ontario

Presentation of Proposed ACI Standard: "Recommended Practice for the Use of Shrinkage-Compensating Concrete"

Robert E. Price, chairman, ACI Committee 223, and supervisor, Engineering Materials, Interspace Corporation, Parsippany, New Jersey



Thursday, October 28
2:00 p.m. - 6:00 p.m.

CONCRETE IN MEXICO
sponsored by the Mexican Cement and
Concrete Institute

Molino del Rey

Session Chairman: Jesus Aguirre-Cardenas, director,
School of Architecture, National Auto-
nomous University of Mexico, Mexico,
D. F.

Welcome

Jesus Aguirre-Cardenas, session chairman

Introduction

Jose Maria Gutierrez, president, College of Architects of
Mexico, Mexico, D. F.

Bernardo Quintana, president, College of Civil Engineers of
Mexico, Mexico, D. F.

The Mexican Cement Industry

Gordon A. Payne, president, National Chamber of the
Cement Industry, Mexico, D. F.

Concrete in Mexican Architecture

Enrique Landa, professor of architectural engineering, Uni-
versity of Mexico, Mexico, D. F.

Concrete in the Public Works of Mexico City

Joaquin Alvarez-Ordonez, general director of public works,
Federal District Department, Mexico, D. F.

First Years of Concrete in Mexico

Cutberto Diaz-Gomez, director, Mexican Cement and Con-
crete Institute, Mexico, D. F.

Construction Procedures in Concrete in Mexico

Fernando Favela Lozoya, vice-president, ICA International,
Mexico, D. F.

Concrete Codes in Mexico

Roberto Meli, research professor, Engineering Institute,
National Autonomous University of Mexico, Mexico, D. F.

Concrete Seismic Design in Mexico

Emilio Rosenblueth, research professor, Engineering Insti-
tute, National Autonomous University of Mexico, Mexico, D. F.

Prestressed Concrete in Mexico

Aurelio Zugasti, past president, National Association of
Precast and Prestressed Concrete Producers, Mexico, D. F.

Flexible Formwork for Erosion Control Jobs

Mauricio Porraz, president, Control de Erosion, S. A.,
Mexico, D. F.

Closing Remarks

Martin Luis Gutierrez, director, Design Division, Azcapotzal-
co Unit, Metropolitan Autonomous University, Mexico, D. F.

Thursday, October 28
2:00 p.m. - 6:00 p.m.

**INTERNATIONAL SYMPOSIUM ON
ACCELERATED STRENGTH TESTING**
sponsored by ACI Committee 214

Salon del Sol

Session Co-Chairmen: Robert E. Philleo, chief, Concrete
Branch, Engineering Division, Office,
Chief of Engineers, Washington,
D. C.

Raymundo Rivera Villarreal, chief of
the laboratories, School of Civil En-
gineering, University of Nuevo Leon,
Monterrey, Nuevo Leon

Opening Remarks

V. M. Malhotra, chairman, ACI Committee 214, and director,
Mineral Sciences Laboratory, CANMET, Department of
Energy, Mines and Resources, Ottawa, Ontario

Why Accelerated Testing?

Edward A. Abdun-Nur, consulting engineer, Denver, Color-
ado

**Experience on the Use of the Accelerated Testing Procedure
(Boiling Water Method) for the Control of Concrete During
the Construction of the Tunnel, "Emisor Central" in Mexico
City**

Roberto Sanchez-Trejo, associated consultant, and Lorenzo
Flores-Castro, CONSULTEC, Ingenieros Asociados S. C.,
Mexico, D. F.

**Accelerated Tests — Field Experience in the Use of Polysty-
rene Moulds**

Andre Bisailon, president, Laboratoire de Beton Ltee.,
Montreal, Quebec

**Adaptation of Accelerated Strength Testing Methods for
Concrete Quality Control and Quality Assurance**

Tarun R. Naik, assistant professor of structural engineering,
Mechanics Department, University of Wisconsin-Milwaukee,
Milwaukee, Wisconsin

**Accelerated Tests for Controlling the 90-Day Strength of
Concrete for the Alto Forno Project in Brazil**

L. A. Falcao Bauer, director, and Lucy I. Olivan, concrete
technologist, L. A. Falcao Bauer Centro Tecnologico da
Construcao, Sao Paulo, Brazil

**Quality Control of Concrete by Means of Short-Term Tests
at La Angostura Hydro Electric Project, State of Chiapas,
Mexico**

Manuel Mena-Ferrer, Comision Federal de Electricidad,
Mexico, D. F.

ASTM Accelerated Strength Tests for Quality Control of Concrete

V. Ramakrishnan, professor of civil engineering, South Dakota School of Mines and Technology, Rapid City, South Dakota

BREAK

Session Co-Chairmen: Peter Smith, director, Engineering Research Development Branch, Ministry of Transportation and Communications - Ontario, Downsview, Ontario

Roberto Sanchez-Trejo, associated consultant, CONSULTEC, Ingenieros Asociados S. C., Mexico, D. F.

Concrete Quality Control - 28 Days - 24 Hours - 15 Minutes

Paul A. Howdyshell, principal investigator, U. S. Army Construction Engineering Research Laboratory, Champaign, Illinois

Prediction of Potential Strength of Concrete from Early Tests

H. S. Lew, structural research engineer, and T. W. Reichard, research physicist, Center for Building Technology, National Bureau of Standards, Washington, D. C.

A New Method and Apparatus for Accelerated Strength Testing of Concrete

K. W. Nasser, associate professor of civil engineering, University of Saskatchewan, Saskatoon, Saskatchewan

Testing a Predictor of 28-Day Strength

Michael A. Taylor, associate professor, Department of Civil Engineering; and John K. Moore, statistical analyst, School of Veterinary Medicine, University of California at Davis, Davis, California

Use of Modified Boiling Method for Predicting Splitting Tensile Strength of Concrete

V. M. Malhotra, director, Mineral Sciences Laboratory, CANMET, Department of Energy, Mines and Resources, Ottawa, Ontario



Friday

Friday, October 29

9:00 a.m. - 12:30 p.m.

DOUGLAS McHENRY INTERNATIONAL SYMPOSIUM ON CONCRETE AND CONCRETE STRUCTURES

Salon del Sol

Session Co-Chairmen: Eivind Hognestad, director, Technical and Scientific Development, Portland Cement Association, Skokie, Illinois

Emilio Rosenblueth, research professor, Engineering Institute, National Autonomous University of Mexico, Mexico, D. F.

Welcome, Introduction

Cutberto Diaz-Gomez, director, Mexican Cement and Concrete Institute, Mexico, D. F.; and Boris Bresler, professor, Department of Civil Engineering, University of California, Berkeley, California

Tribute to Douglas McHenry

Roy W. Carlson, consulting engineer, Berkeley, California

Session I: Concrete Structures

Time-Dependent Behavior of Columns in Water Tower Place

Henry G. Russell, manager, Structural Development Section; and W. Gene Corley, director, Engineering Development Department, Portland Cement Association, Skokie, Illinois

Deformation in Service of Reinforced Concrete Columns

R. N. Swamy, lecturer, Department of Civil and Structural Engineering, The University, Sheffield, England

Nonuniform Drying Shrinkage in Concrete Structures

Robert Iding and Boris Bresler, Department of Civil Engineering, University of California, Berkeley, California

Fire-Exposed Hyperstatic Concrete Structures: An Experimental and Theoretical Study

Yngve Anderberg, research assistant, Division of Structural Mechanics and Concrete Construction, Lund Institute of Technology, Lund, Sweden

Destructive Vibration Test of a 4-Story Concrete Structure

C. K. Chen, R. Martin Czarnecki, and Roger E. Scholl, URS/John A. Blume & Associates, Engineers, San Francisco, California

Prediction of Response of Concrete Buildings to Severe Earthquake Motion

Sigmund A. Freeman, structural engineer and associate, URS/John A. Blume & Associates, Engineers, San Francisco, California

SYMPOSIUM LUNCHEON

12:30 p.m. - 2:00 p.m.

Molino del Rey

Co-Chairmen: Josep H. Walker, Past President, ACI, and consultant, Green Valley, Arizona

Cutberto Diaz-Gomez, General Chairman, 1976 Fall ACI-IMCYC Convention, and director, Mexican Cement and Concrete Institute, México, D.F.

Guest Speaker: Guillermo Soberon, rector, National University of Mexico, Mexico, D.F.

Friday, October 29

2:00 p.m. - 5:30 p.m.

DOUGLAS McHENRY INTERNATIONAL SYMPOSIUM ON CONCRETE AND CONCRETE STRUCTURES

Salon del Sol

Session Co-Chairmen: Robert E. Philleo, chief, Concrete Branch, Engineering Division, Office, Chief of Engineers, Washington, D.C.

Hubert Ruesch, professor, Department of Civil Engineering, Technical University of München, München, Germany



Tribute to Douglas McHenry

J. A. Hanson, senior consultant, Wiss, Janney, Elstner and Associates, Northbrook, Illinois

Session II: Concrete

Strength of Concrete Under Multiaxial Stress States

Kurt H. Gerstle and Hon-Yim Ko, University of Colorado, Boulder, Colorado; Roberto Bellotti, Paolo Bertacchi, and Pio Rossi, E.N.E.L., Milan, Italy; Diethelm Linse, Technical University, Munich, Germany; John Newman and M. D. Kotsovos, Imperial College, London, England; Gerald Schickert, B A M, Berlin, Germany; Michael A. Taylor, University of California, Davis, California; Roger Zimmerman and Leonard Traina, New Mexico State University, Las Cruces, New Mexico

Mechanism of Cyclic Creep of Concrete

G. A. Hirst, research student, and A. M. Neville, head, Department of Civil Engineering, University of Leeds, Leeds, England

A Constitutive Law for Concrete at Transient High Temperature Conditions

Yngve Anderberg, research assistant, and Sven Thelander-sson, lecturer, Division of Structural Mechanics and Concrete Construction, Lund Institute of Technology, Lund, Sweden

Properties of Concrete at Very Low Temperatures

Sho Yamane, H. Kasami, and T. Okuno, Technical Research Laboratory, Takenaka Komuten Company, Ltd., Tokyo, Japan

Creep of Concrete Under Various Temperature, Moisture, and Loading Conditions

James E. McDonald, chief, Structures Branch, Concrete Laboratory, U. S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi

Creep and Shrinkage of Aging Concrete

Karl S. Pister, professor, Department of Civil Engineering, University of California, Berkeley, California; J. H. Argyris and K. J. Willam, Institute for Static and Dynamics, University of Stuttgart, Stuttgart, Germany

Effect of Radiation on Concrete

H. K. Hilsdorf, o. professor, J. Kropp, cand. ing., Institute for Building Materials, University of Karlsruhe, Karlsruhe, Germany; and H. J. Koch, structural engineer, Philip Holzmann AG, Düsseldorf, Germany

Closing Remarks

Hubert Ruesch, session co-chairman, and professor, Department of Civil Engineering, Technical University of München, München, Germany

Russell S. Fling, President, ACI, and president, R. S. Fling and Partners, Inc., Columbus, Ohio

ACI FUTURE CONVENTIONS

1977 Annual Convention

San Diego, California
March 13-18

1977 Fall Convention

New Orleans, Louisiana
October 16-21

1978 Annual Convention

Toronto, Ontario, Canada
April 9-14

1978 Fall Convention

Houston, Texas
October 29-November 3

1979 Annual Convention

Milwaukee, Wisconsin
April 1-6

1979 Fall Convention

Washington, D.C.
October 21-27

ACI EDUCATIONAL SEMINARS

SCHEDULE FOR FALL, 1976

November 30-December 1

Lightweight Concrete
St. Louis, Missouri

December 2-3

Designing and Constructing with High Strength Concrete
New Orleans, Louisiana

December 14-15

Quality Assurance and Quality Control in Concrete Construction
King of Prussia, Pennsylvania

POST CONVENTION TRIPS

Both trips - Cancun and Acapulco-start on Friday, October 29 and end on Monday, November 1, 1976 (4 days, 3 nights).

CANCUN

Friday, October 29

Upon arrival at the Cancun Airport, you will be met and transferred to the Aristos Cancun Hotel, a deluxe property located on the beach, where you have been pre-registered and only need to pick up your key.

In the evening a welcome cocktail party with open bar for one hour will be offered to all participants to introduce them to this tropical paradise. Ask at the ACI Hospitality Desk for assistance with dinner reservations.

Saturday, October 30

Breakfast at leisure.

Early morning departure to the Mayan archeological zone of Tulum, with ample time to explore and then a visit to the Xel-Ha Lagoon, a natural aquarium, where you can swim and snorkel. Lunch enroute. Return to hotel in the late afternoon.

Sunday, October 31

Breakfast at leisure.

A drive through a most impressive jungle with exuberant vegetation will take us to Chichen Itza, with over six square miles of temples, courtyards, columns, sacrificial wells and other marvels. Many of the buildings have been completely restored. Lunch in Chichen Itza. Return to Cancun in the late afternoon.

Monday, November 1

Breakfast at leisure.

At the proper time, transportation will be provided to the airport to board the corresponding flight.

Price includes: Round trip transfers airport/hotel/airport in Cancun, including bag tips airport/hotel in Cancun; deluxe accommodations at the Aristos Cancun Hotel, including tax, breakfast each morning with gratuities to waiters; welcome reception with open bar for one hour; sightseeing as outlined with transportation and English speaking guides; lunch with gratuities to waiters on Saturday and Sunday tours; Trip Director in attendance to coordinate all activities and assist trip participants and ACI Hospitality Desk throughout the duration of the basic program.

Price per person:

\$180.00 Sharing twin room.

\$220.00 Single occupancy.

\$170.00 Sharing triple room.

Additional nights: (No meals included) including 4% tax, per room.

\$ 33.28 Single room.

\$ 39.52 Twin room.

\$ 45.76 Triple room.

Not included: AIRFARE, meals or services other than those mentioned above and items of a personal nature. The Local Committee is holding seats on flight Aeromexico 245 on October 29 from Mexico City to Cancun, leaving at 11:50 a.m. and arriving at 1:35 p.m.

ACAPULCO

Friday, October 29

Upon arrival at the Acapulco Airport, you will be met and transferred to LA PALAPA Hotel, a deluxe property located on the beach, where you have been pre-registered and only need to pick up your key.

In the evening a welcome cocktail party with open bar for one hour will be offered to all participants to introduce them to this sophisticated spot.

Ask at the ACI Hospitality Desk for assistance with dinner reservations at one of Acapulco's many fine restaurants or night spots.

Saturday, October 30

Breakfast at leisure.

10:00 a.m. departure to the dock to board the Bonanza Yacht for a cruise of Acapulco Bay. Entertainment, refreshments and lunch are provided with time for swimming, so bring or wear your swimsuit. Return to hotel approximately at 3:30 p.m. with balance of day free. Perhaps a visit to downtown shopping area for Mexican Crafts, sun hats, sandals, straw bags, a Cabana set.

Sunday, October 31

Breakfast at leisure.

Today is free for independent activities . . . swimming, sunning, strolling, whatever your pleasure. Perhaps you would enjoy one of the following optional activities:

Deep sea fishing - \$32.00 per person. Minimum of 6 persons per boat and includes license, transportation, full crew, bait and tackle.

Golf at the Acapulco Princess - \$28.00 per person. Includes one way transportation to golf course, golf cart (based on two persons sharing), rental of clubs and greens fees. Return on your own at the hour you wish.

In the evening, at 7:45 p.m., depart to La Perla Night Club for a cocktail of choice, dinner and the famous High Divers Show!! . . . where divers plunge from the cliffs of La Quebrada into the foaming Pacific Surf 130 feet below! Music is provided for your listening pleasure.

Monday, November 1

Breakfast at leisure.

At the proper time, transportation will be provided to the airport to board the corresponding flight.

Price includes: Round trip transfers airport/hotel/airport in Acapulco, including bag tips airport/hotel in Acapulco, deluxe accommodations at La Palapa Hotel including tax, breakfast each morning with gratuities to waiters, welcome reception with open bar for one hour, sightseeing as outlined with transportation and English speaking guides, lunch on board the Bonanza Yacht cruise and La Perla dinner with one cocktail of choice, gratuities and show, Trip Director in attendance to coordinate all activities and assist trip participants and ACI Hospitality Desk throughout the duration of the program.

Price per person:

\$140.00 Sharing Twin.

\$175.00 Single occupancy.

\$130.00 Sharing triple room.

Additional nights: (No meals included) including 4% tax, per room.

\$ 33.28 Single room.

\$ 37.44 Twin room.

\$ 45.76 Triple room.

Not included: AIRFARE, meals or services other than those mentioned above and items of a personal nature. The Local Committee is holding seats on flight Aeromexico 309 on October 29 from Mexico City to Acapulco, leaving at 12:45 p.m. and arriving at 1:30 p.m.



FAMILY MEMBERS' PROGRAM

Hospitality: Tamayo Lobby

The Local Committee has scheduled several tours that complement the technical program with relaxation and entertainment. Some of them have very limited availability so we suggest you buy your tickets **early** at the ACI Hospitality Desk in the Tamayo Lobby.

All tours will be conducted in air-conditioned motor-coaches with Mexican Government-licensed, English-speaking tour guides who will explain the points of interest. Tours will start and end at the Camino Real Hotel.

SIGHTSEEING IN MEXICO CITY

- 1. Ballet Folklorico of Mexico** - The famous Ballet Folklorico of Mexico is presented in the beautiful Palace of Fine Arts, where you will also admire the Tiffany glass curtain. Regional dances from all over Mexico will make this show an introduction to the music and folklore of this Country. A very limited number of tickets will be available for the evening performance of Wednesday, October 27, and will be sold on a first-come, first-served basis. Price of \$15.00 includes transportation, ticket to the Ballet, and English-speaking guides.
- 2. Bullfights Tour** - A world of pageantry, sun and courage — an inheritance of the Spanish art of bullfighting left in Mexico, performed in the largest bullring in the world, Plaza de Toros Mexico. Starts at 3:00 p.m. and returns at 6:30 p.m., on Sunday, October 24 only. **Very limited capacity available.** Price includes transportation, ticket to the Bullfights in the shady side and English speaking guides. \$12.00
- 3. City and Museum of Anthropology Tour** - Morning departure on a tour to this "City of Contrasts" visiting the National Palace with its frescoes by Diego Rivera depicting the history of Mexico; the Cathedral; Main Plaza or "Zocalo;" Chapultepec Park (Grasshopper hill in Nahuatl language) and Las Lomas residential area. Arrive at the magnificent Museum of Anthropology, winner of an International Award of Architecture, for a highlight tour. See the original Aztec Calendar, so accurate no leap year was needed; Tlaloc, the 162-ton Aztec Rain God; and the Mixtec Tombs. Truly a highlight of your trip! Starts at 9:00 a.m. and returns at 1:00 p.m., on Tuesday, October 26 only. **This tour is offered by the Local Committee FREE OF CHARGE to family members of registered delegates only.**



- 4. Mexican Handcrafts Exposition** - Enjoy a leisurely tea and pastries among Mexican Native Art . . . you are cordially invited by the Local Committee, on Wednesday, October 27 at 10:30 a.m., to the Main Garden of the Camino Real Hotel. Here you can witness the craftsmanship of the artisans turning raw material into exquisite masterpieces. Please join us. Wednesday, October 27, for **family members of registered delegates only.** Complimentary.

- 5. Shrine of Guadalupe and Pyramids Tour** - Visit the archeological zone of San Juan Teotihuacan and walk among the Pyramids of the Sun and the Moon, the Avenue of the Dead and many other fascinating structures and temples. Continue to the Shrine of Guadalupe, a living tribute to the Mexican faith. Admire the structure of the New Shrine. Starts at 9:00 a.m. and returns at 1:30 p.m., on Monday, October 25; Wednesday, October 27 and Thursday, October 28. Price includes transportation, admission to Pyramids museum and English speaking guides. \$8.50

- 6. Cuernavaca and Taxco Trip** - A scenic drive to Cuernavaca — "the City of Eternal Spring" — with its native market, followed by visits to the main Plaza and historic Palace of Cortes. Continue to Taxco — the Silver City — considered a national monument and truly the most picturesque town in the Country. Walk through the narrow cobblestoned streets and shop in the many little stores offering a variety of remarkable work, famous all over the world. After a leisurely luncheon, visit the Zocalo and the beautiful Church of Santa Prisca of pure baroque style. Displayed in its interior is the main altar covered with gold leaf. Starts at 8:30 a.m. and returns at 6:30 p.m. on Monday, October 25, and Wednesday, October 27. Price includes transportation, lunch in Taxco with tip, and English speaking guides. \$22.00

- 7. University City and Pedregal Residential Zone Tour** - The University City of Mexico is one of the most extensive educational and research complexes in the world, designed and built by Mexican architects and engineers. The visit will include the various faculties, the sports facilities, the Olympic Stadium which was the site of the 1968 Olympic Games and large enough for 80,000 spectators, the Library building with gigantic mosaic murals built by Mexican artists and other interesting points. Continue to El Pedregal where homes and gardens are built on lava flows of a now-extinct volcano. The design, architecture, and decoration of these residences, make it one of the most exclusive residential areas of the City. Starts at 9:00 a.m. and returns at 1:00 p.m., on Monday, October 25, Wednesday, October 27, and Thursday, October 28. Price includes transportation and English speaking guides. \$6.50



Shopping shuttle - Will be available from the Camino Real Hotel with the following schedule:

Monday, October 25, Wednesday, October 27 and Thursday, October 28 departing from hotel at 9:30 a.m., 10:30 a.m., 11:30 a.m. and 12:30 p.m. Buses will return from Crafts center at 11:00 a.m., 12:00 noon, 1:00 p.m. and 2:00 p.m. to Camino Real Hotel.

Price includes transportation to two of the largest Mexican crafts centers and English speaking guides. **Very limited capacity available. \$2.50**

PROGRAM SCHEDULE FOR FAMILY MEMBERS:

Sunday, October 24

3:00 p.m.: Bullfights

Monday, October 25

8:30 a.m.: Cuernavaca/Taxco Tour

9:00 a.m.: University/Pedregal Tour

9:00 a.m.: Guadalupe Shrine/Pyramids Tour

9:30 a.m.; 10:30 a.m.;

11:30 a.m.; 12:30 p.m.: Shopping Tours

Tuesday, October 26

9:00 a.m.: City/Museum of Anthropology Tour

Wednesday, October 27

8:30 a.m.: Cuernavaca/Taxco Tour

9:00 a.m.: University/Pedregal Tour

9:00 a.m.: Guadalupe Shrine/Pyramids Tour

10:30 a.m.: Mexican Handcrafts Exposition

evening: Ballet Folklorico

Thursday, October 28

9:00 a.m.: University/Pedregal Tour

9:00 a.m.: Guadalupe Shrine/Pyramids

7:00 p.m.: Concrete Mixer

MEXICO CITY CONVENTION COMMITTEE

LUIS E. BRACAMONTES
Honorary President

CUTBERTO DIAZ-GOMEZ
General Chairman

JESUS AGUIRRE CARDENAS ✓
Technical Director

SR. FERNANDO FAVELA-LOZOYA ✓
Finance Director

RAUL DIAZ-GOMEZ
Program and Facilities Director

RAUL ALAMO-NEIDHART
Advertising Director

SR. AURELIO ZUGASTI ✓
Tours and Visitors Director

SR. CLAUDIO CALZADO ✓
Hospitality Director

SR. JORGE GODDARD ✓
Social Activities Director

HECTOR FERIA
Publications Director

SR. ROBERTO DUQUE-RUIZ ✓
Exhibition Director

The officers, staff, and Members of ACI would like to thank the Local Committee, the Hostesses, the Mexican Cement and Concrete Institute, and the Contributors for their part in the 1976 Fall Convention.



AMERICAN CONCRETE INSTITUTE

P.O. Box 19150, Detroit, Mich. 48219