Vancouver Program

1975 Fall Convention
Nov. 2-7

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American Concrete Institute
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P.O. Box 19150
Detroit, Michigan 48219
PROGRAM FALL CONVENTION

November 2-7, 1975
Vancouver, British Columbia

Registration fees cover attendance at all ACI technical and educational committee meetings, general session, and symposia. They do not cover the educational seminars on Tuesday for which there is an additional charge.

contents page
Breakfasts for program participants ........................................... 4
Schedule ................................................................................. 3
Special Events .......................................................................... 4
Committee Meetings ................................................................. 5
Floor Plan of Meeting Rooms ....................................................... 24
General Session ......................................................................... 17
Formwork Design Workshop ......................................................... 11
Training Responsibilities of Level III Inspection Engineers for Nuclear Reactors and Containments .................................................. 12
Portland Cement Plastering — Problems and Benefits ......................... 13
The Building of the CN Tower ....................................................... 14
Research on Plain and Reinforced Concrete ..................................... 15
Effective Committee Chairmanship Workshop .................................. 16
Concrete Guideways ................................................................... 18
Avianca Building Fire .................................................................. 19
Cold Regions Concreting Symposium ............................................. 20
Design and Construction of Oceanic Plaza Office Tower ....................... 21
Limit Design of Slabs: Code Considerations ..................................... 21
Program for Family Members ....................................................... 28
Future ACI Conventions ............................................................ 22
ACI Vancouver Convention Committee .......................................... 29
ACI Educational Seminar Schedule for Fall, 1975 ............................. 10

SCHEDULE

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

MONDAY, NOVEMBER 3
8:30 a.m. - 9:30 p.m.
Administrative, technical, and educational committee meetings

TUESDAY, NOVEMBER 4
8:30 a.m. - 9:30 p.m.
Technical and educational committee meetings
8:30 a.m. - 12:30 p.m.
Concrete Guideways (Committee 358)
9:00 a.m. - 5:30 p.m.
Formwork Design Workshop (registration fee: $20.00)
Training Responsibilities of Level III Inspection Engineers for Nuclear Reactors and Containments Seminar (registration fee: $40.00 Members, $60.00 Nonmembers)

WEDNESDAY, NOVEMBER 5
8:30 a.m. - 6:00 p.m.
Administrative, technical, and educational committee meetings
9:00 a.m. - 12:00 noon
Portland Cement Plastering — Problems and Benefits (Committee 524)
9:00 a.m. - 5:00 p.m.
The Building of the CN Tower
2:00 p.m. - 5:00 p.m.
Research on Plain and Reinforced Concrete (Committee 115)
4:00 p.m. - 6:00 p.m.
Effective Committee Chairmanship Workshop (no fee)
6:30 p.m. - 8:00 p.m.
Concrete Mixer

THURSDAY, NOVEMBER 6
8:15 a.m. - 12:00 noon
General Session
2:00 p.m. - 5:00 p.m.
Concrete Guideways (Committee 358)
2:00 p.m. - 5:00 p.m.
Avianca Building Fire
2:00 p.m. - 5:00 p.m.
Cold Regions Concreting Symposium (Committee 306)
2:00 p.m. - 9:30 p.m.
Technical and educational committee meetings

FRIDAY, NOVEMBER 7
8:30 a.m. - 12:30 p.m.
Technical committee meetings
9:00 a.m. - 12:00 noon
Design and Construction of Oceanic Plaza Office Tower
9:00 a.m. - 12:00 noon
Limit Design of Slabs: Code Considerations (Committee 421)

3
SPECIAL EVENTS

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

Education at the Convention ... One half-day workshop, one full-day seminar, and a two-hour workshop will be presented. Each of the Tuesday programs will require a separate registration fee, as noted below, which is payable at the ACI Registration Desk. The two-hour workshop on Wednesday is included in the convention registration fee.

Since enrollment is limited, early registration is advised.

Formwork Design Workshop ... 8:30 a.m. - 12:30 p.m., Tuesday, November 4, in the Thompson room. Designers, engineers, and contractors concerned with the safety of formwork will benefit from attendance at this program. Registration fee is $20.00.

Training Responsibilities of Level III Inspection Engineers for Nuclear Reactors and Containments ... 9:00 a.m. - 5:30 p.m., Tuesday, November 4, in the Stanley room. Certified Level III Inspection Engineers as well as engineers preparing for certification should attend this workshop. Lunch is included. Registration fee is $50.00 for ACI Members; $60.00 for Nonmembers.

Effective Committee Chairmanship Workshop ... 4:00 p.m. - 6:00 p.m., Wednesday, November 5, in the Mackenzie room. The purpose of this workshop is to increase the productive efforts of ACI committees, as well as attendance at committee meetings. There is no registration fee for this workshop.

"Concrete Mixer" ... Wednesday, November 5, 6:30 to 8:00 p.m., in the Ballroom. Please wear your badge.

Breakfasts (by invitation only):

Wednesday, November 5, 7:00 a.m.
breakfast for program participants in the sessions on Portland Cement Plastering — Problems and Benefits, The Building of the CN Tower, and Research on Plain and Reinforced Concrete. Chairman room.

Thursday, November 6, 7:00 a.m.
breakfast for program participants in the General Session and the sessions on Concrete Guideways, Avianca Building Fire, and Cold Regions Concreting. Chairman room.

Friday, November 7, 7:00 a.m.
breakfast for program participants in the sessions on Design and Construction of the Oceanic Plaza Office Tower and Limit Design of Slabs: Code Considerations. Chairman room.

COMMITTEE MEETINGS

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

COMMITTEE 
Meeting Room

SUNDAY, NOVEMBER 2 
2:00 p.m. - 6:00 p.m.
--- Technical Activities Committee 
Cowichan

Monday

NOVEMBER 3

8:30 a.m. - 10:30 a.m.
--- Board Committee on International Activities 
Coquitlam 
--- Planning Committee 
Board 
--- Educational Activities Committee 
Director 
--- Technical Activities Committee 
Cowichan 
--- Chapter Activities Committee 
Discovery 
212 Admixtures for Concrete 
Prospect 
306 Cold Weather Concreting 
Chairman 
351 Foundations for Equipment and Machinery 
Park 
358 Concrete Guideways 
Thompson 
360 Design of Slabs on Grade 
President 
531 Masonry Structures 
Stanley 
547 Refractory Concrete 
Ferguson 
10:30 a.m. - 12:30 p.m.
--- Board Committee on International Activities 
Coquitlam 
--- Educational Activities Committee 
Director 
--- Technical Activities Committee 
Cowichan 
--- Chapter Activities Committee 
Discovery 
212 Admixtures for Concrete 
Prospect 
306 Cold Weather Concreting 
Chairman 
318 Subcommittee B, Concrete Quality, Mixing, and Placement 
Thompson 
340 Strength Design Handbook 
Mackenzie 
344 Circular Prestressed Concrete Structures 
Fraser 
351 Foundations for Equipment and Machinery 
Park 
351 Subcommittee 4, Special Equipment and Machinery 
Board 
360 Design of Slabs on Grade 
President 
531 Masonry Structures 
Stanley 
547 Refractory Concrete 
Ferguson 
12:30 p.m. - 2:00 p.m.
--- Institute and Industry Advancement Committee 
Contact 
2:00 p.m. - 4:00 p.m.
--- Educational Activities Committee 
Director 
--- General Activities Committee 
Coquitlam 
223 Expansive Cement Concrete 
Cowichan 
318 Subcommittee E, Analysis and Strength Requirements 
Thompson 
318 Subcommittee N, Earthquake Resistant Design Requirements 
Board 
340 Strength Design Handbook 
Mackenzie 
344 Circular Prestressed Concrete Structures 
Fraser 
350 Concrete Sanitary Structures 
President
Tuesday

NOVEMBER 4

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

Specifications Review Committee
211 Subcommittee 7, Mass Concrete Mixture Proportioning
304 Measuring, Mixing, Transporting, and Placing Concrete
315 Detailing Reinforced Concrete Structures
318 Standard Building Code
423 Prestressed Concrete
439 Steel Reinforcement
441 Reinforced Concrete Columns

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

Information Services Committee
1:00 p.m. - 6:00 p.m.

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

Durability of Concrete
201 Mass Concrete
207 Bond Stress
421 Reinforced Concrete Slabs
517 Accelerated Curing of Concrete at Atmospheric Pressure
523 Insulating and Cellular Concretes
Ferrocement

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

Durability of Concrete
201 Mass Concrete
224 Cracking
301 Specifications for Structural Concrete
318 Subcommittee K, Precast and Composite Concrete
318 Subcommittee M, Shells and Folded Plates
408 Bond Stress
421 Reinforced Concrete Slabs
435 Deflections of Structures

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

TAC Ad Hoc Committee on Progressive Collapse
Wednesday

NOVEMBER 5

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

118 Use of Computers
120 History of Concrete
224 Cracking
305 Hot Weather Concreting
318 Subcommittee D, Details and Development of Reinforcement
318 Subcommittee F, Serviceability
352 Joints and Connections
442 Response of Buildings to Lateral Forces
506 Shotcreting
E-703 Concrete Construction Practices

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

PORTLAND CEMENT PLASTERING - PROBLEMS AND BENEFITS (Sponsored by ACI Committee 524) See Page 13
THE BUILDING OF THE CN TOWER (first session) See Page 14

118 Use of Computers
305 Hot Weather Concreting
318 Subcommittee D, Details and Development of Reinforcement
318 Subcommittee F, Serviceability
438 Torsion
442 Response of Buildings to Lateral Forces
506 Shotcreting
544 Fiber Reinforced Concrete
E-703 Concrete Construction Practices

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

Board of Direction

118 Use of Computers
305 Hot Weather Concreting
318 Subcommittee D, Details and Development of Reinforcement
318 Subcommittee F, Serviceability
438 Torsion
442 Response of Buildings to Lateral Forces
506 Shotcreting
544 Fiber Reinforced Concrete
E-703 Concrete Construction Practices

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

Board of Direction

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Thursday

NOVEMBER 6

8:15 a.m. - 12:00 noon

GENERAL SESSION See Page 17

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

Standards Board

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Convention Committee

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311 Inspection of Concrete
318 Standard Building Code
359 Working Group on General Requirements
359 Working Group on Inservice Inspection
359 Working Group on Quality Assurance
549 Polymers in Concrete
E-801 Student Concrete Projects

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

CONCRETE GUIDEWAYS (Sponsored by ACI Committee 358) See Page 18
AVIANCA BUILDING FIRE See Page 19
COLD REGIONS CONCRETE SYMPOSIUM (Sponsored by ACI Committee 306) See Page 20

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

Constitution Committee

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318 Standard Building Code
359 Working Group on General Requirements
359 Subgroup on Inservice Inspection
Tuesday

November 4
8:30 a.m. - 12:30 p.m.
FORMWORK DESIGN WORKSHOP
sponsored by ACI Committee E-702

Design and construction problems associated with a multi-story concrete building will constitute the workshop activity. A team of instructors will assist in solving some problems emphasizing safety and construction efficiency.

Enrollment is limited so early registration is advised. Registration fee is $20.00.

PROGRAM
Moderator: William J. Wilhelm, chairman, ACI Committee E-702, and chairman, Department of Civil Engineering, West Virginia University, Morgantown, West Virginia

8:30 a.m. - 8:45 a.m.
Introduction

8:45 a.m. - 9:30 a.m.
Selection of Framing System
- Economy of Materials
- Economy of Placing and Forming
Instructor: James R. Cagley, Martin & Cagley, Washington, D.C.

9:30 a.m. - 10:30 a.m.
Selection of Forming System
- Construction Schedule
- Construction of Formwork
- Shoring and Reshoring
Instructor: Carl Guse, Miller Davis Company, Melrose Park, Illinois

10:30 a.m. - 10:45 a.m.
Stretch break

10:45 a.m. - 11:45 a.m.
Formwork Design
- Form Loads
- Proper Loads for Shoring and Reshoring
- Design of Shoring and Reshoring
Instructor: James P. Hanagan, Donley's, Cleveland, Ohio

11:45 a.m. - 12:30 p.m.
Discussion

Notes

ACI EDUCATIONAL SEMINARS
SCHEDULE FOR FALL, 1975

November 13-14
Strength Design and the ACI Code, 318-71
Kansas City, Missouri

December 4-5
Concrete in the Sea
Mexico City, Mexico
Wednesday

November 5
9:00 a.m. - 12:00 noon

PORTLAND CEMENT PLASTERING — PROBLEMS AND BENEFITS
sponsored by ACI Committee 524

Stanley/Park

Session Chairman: Clay M. Johnston, chairman, ACI Committee 524, and managing director, California Lathing and Plastering Contractors Association, Los Angeles, California

Introduction
Clay M. Johnston, chairman, ACI Committee 524

Metal and Wood Framing and Lathing
Gene Erwin, director, Southeast Lathing and Plastering Bureau, Atlanta, Georgia

Bonding Agents and Special Coatings
Daniel J. Goeke, executive vice-president, Larsen Products Corporation, Rockville, Maryland

Mixing and Application of Base and Finish Coats
Donald E. Reysa, manager, Specialty Products Marketing, General Portland Inc., Dallas, Texas

Aggregates
Thomas Geary, specialty manager, Calaveras Cement Company, Redwood City, California

Research and Testing
A. W. Isbemer, senior research engineer, Concrete Materials Research Department, Portland Cement Association, Skokie, Illinois

Contractor Functions
Joseph A. Feldner, contract manager, McNulty Brothers Company, Chicago, Illinois

Notes
Wednesday, November 5
9:00 a.m. - 12:00 noon

THE BUILDING OF THE CN TOWER

Session Chairman: Gary Woolgar, general manager, Toronto Division, Dufferin Concrete Products, Toronto, Ontario

Part I — Concept and Purpose of the CN Tower
Architectural Concepts and Design
Edward R. Baldwin, project architect, CN Tower Project, John Andrews International, Toronto, Ontario

Part II — Design
Structural Design
Franz Knoll, project engineer, Nicolet, Carrier, Dressel and Associates, Ltd., Montreal, Quebec
Foundation Investigation and Design
Eli Robinsky, professor, Department of Civil Engineering, University of Western Ontario, London, Ontario

On the Prediction of Wind Action on the CN Tower, Toronto
A. G. Davenport, professor; and N. Isyumov, manager and associate research director, Faculty of Engineering Science, University of Western Ontario, Toronto, Ontario

Proposed Wind Load Performance Study
Peter Birkemoe, professor, Department of Civil Engineering, University of Toronto, Toronto, Ontario

Wednesday, November 5
2:00 p.m. - 5:00 p.m.

THE BUILDING OF THE CN TOWER

Session Chairman: Gary Woolgar, general manager, Toronto Division, Dufferin Concrete Products, Toronto, Ontario

Part III — Construction
Overall Construction
Andre Jorden, project manager, Foundation Company of Canada, Toronto, Ontario

Prestressing the Tower
John Prosser, general manager, VSL Canada Ltd., Stoney Creek, Ontario

Material Problems and Quality Assurance
John A. Bickley, general manager, Construction Testing Services Ltd., Rexdale, Ontario; and P. K. Mukherjee, evaluation engineer, Concrete Construction Products, Ministry of Transportation and Communications, Downsview, Ontario

Wednesday, November 5
2:00 p.m. - 5:00 p.m.

RESEARCH ON PLAIN AND REINFORCED CONCRETE
(Brief and confidential unpublished reports)
sponsored by ACI Committee 115

Session Chairman: Herbert K. Cook, chairman, ACI Committee 115, and vice-president of engineering, Master Builders, Cleveland, Ohio

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

The Use of Expansive (Self-Stressing) Cements in Reinforced Concrete Structures
Charles F. Scholer, associate professor; H. Gowda, graduate research instructor; and E. C. Ting, associate professor, School of Civil Engineering, Purdue University, West Lafayette, Indiana

Internally Sealed Concrete for Bridge Decks
Kenneth C. Clear, highway research engineer, Materials Division, Office of Research, Federal Highway Administration, Washington, D.C.

Solid and Hollow Rectangular Prestressed Concrete Beams Under Combined Loading
Janko Micsic, senior structural engineer, W. J. Franci & Associates, Edmonton, Alberta; and Joseph Warwaruk, professor, Department of Civil Engineering, University of Alberta, Edmonton, Alberta

Insulating Concrete for Shallow Foundations
Eli Robinsky, professor, and William Smith, graduate student, Department of Civil Engineering, University of Toronto, Ontario

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

Damage and Repair of a Four-Story Reinforced Concrete Test Structure
R. M. Czarnecki, senior research engineer, and S. A. Freeman, structural engineer, URS/John A. Blume & Associates, Engineers, San Francisco, California

Early Strength Gain Characteristics of Concrete
H. S. Law, structural research engineer, and Thomas W. Reichard, research physicist, Building Safety Section, Structures, Materials and Safety Division, Center for Building Technology, National Bureau of Standards, Washington, D.C.

Experimental Study of Progressive Collapse in Large-Panel Structures
Norman W. Hanson, principal structural engineer, Structural Development Section, Portland Cement Association, Skokie, Illinois

Development of an Accurate, Low Cost Strain Gage for Long Term Concrete Studies
Norbert K. Becker, assistant manager, M. M. Dillon Ltd., Consulting Engineers, Windsor, Ontario; and Cameron MacInnis, professor, Department of Civil Engineering, University of Windsor, Windsor, Ontario

A Modified Fourier Method of Shape and Surface Texture Analysis of Concrete Aggregates
Jack E. Gillott, professor, and Eliza Czarnecka, research associate, Department of Civil Engineering, University of Calgary, Calgary, Alberta

14
Efficient Committee Chairmanship Workshop

Wednesday, November 5
4:00 p.m. - 6:00 p.m.

EFFECTIVE COMMITTEE CHAIRMANSHIP WORKSHOP

sponsored by ACI Educational Activities Committee

Mackenzie

Purpose: To increase the productive efforts of ACI committees

Objective: Participants will leave with improved skills in organizing and motivating committee members

Audience: ACI committee chairmen and chairman-elect. Committee members and others may attend as observers

PROGRAM

4:00 p.m. - 4:15 p.m.
Opening the Workshop
Introductions
Purpose and objectives
The workshop plan

4:15 p.m. - 4:25 p.m.
Organizing a Committee for Action

4:25 p.m. - 4:35 p.m.
Discussion

4:35 p.m. - 4:50 p.m.
Assigning Members to Tasks and Responsibilities
Instructor: Bertold E. Weinberg, Chairman, Committee 311, Inspection of Concrete

4:50 p.m. - 5:00 p.m.
Discussion

5:00 p.m. - 5:15 p.m.
Motivating Committee Members: Getting Them All to Work
Instructor: Lewis H. Tuthill, Past President, ACI

5:15 p.m. - 5:25 p.m.
Discussion

5:25 p.m. - 5:40 p.m.
The Mission, Objectives, and Measuring Progress
Instructor: Thomas J. Reading, Chairman, Committee 201, Durability of Concrete

5:40 p.m. - 5:50 p.m.
Discussion

5:50 p.m. - 6:00 p.m.
Evaluation and Summary
Instructor: Robert E. Philleo, Past President, ACI

Thursday

November 6
8:15 a.m. - 12:00 noon

GENERAL SESSION

Ballroom

Session Chairman: Gerald W. Elkington, president, British Columbia Chapter, ACI, and principal, R. M. Hardy & Associates, Burnaby, British Columbia

Presentation of Proposed "Recommended Practice for Design and Construction of Concrete Bins, Silos, and Bunkers for Storing Granular Materials"
Sargsis S. Safarian, chairman, ACI Committee 313, and president, S M H Engineering Inc., Lakewood, Colorado

Presentation of Proposed Revision to ACI Bylaws
Bryant Mather, chief Concrete Laboratory, U.S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi

Raymond E. Davis Lecture: Down With Your Isle of Portland!
Peter H. Smith, director, Engineering Research Development Branch, Ministry of Transportation and Communications — Ontario, Downsview, Ontario

Acknowledgment of Chapter Officers and Presentation of Chapter Charter

Resume of History of Concrete Terminal Elevators in Canada
J. Murray Fleming, chairman, C. D. Howe Company Ltd., Thunder Bay, Ontario

Canadian Experience in the Use of Accelerated Strength Testing:
Use of Modified Boiling Method in Eastern Canada
V. M. Malhotra, head, Construction Materials Section, Canada Center for Minerals and Energy Technology, Ottawa, Ontario

Use of Autogenous Curing Method in Toronto Area
John A. Bickley, general manager, Construction Testing Services Ltd., Rexdale, Ontario

Use of Modified Boiling Method in Western Canada
L. E. Rodway, chief materials engineer, R. M. Hardy and Associates, Ltd., Calgary, Alberta

Notes
Thursday, November 6
2:00 p.m. - 5:00 p.m.
CONCRETE GUIDEWAYS
sponsored by ACI Committee 358

Session Chairman: Arthur R. Anderson, senior vice-president,
ABAM Engineers, Inc., Tacoma, Washington

An Overview of Guideway Design
C. W. Dolan, project manager, and M. W. LaNier, project engineer,
ABAM Engineers Inc., Tacoma, Washington

Analytical Models for Certain Guideway Irregularities
D. A. Hullender, associate professor, University of Texas at Arlington,
Arlington, Texas

Metro Toronto Zoo Domain Ride
R. D. Stevens, president, Bendix Systems of Canada Ltd., Toronto,
Ontario

Behavior of Reinforced Concrete Curved Beams
T. T. C. Hsu, professor and acting chairman, Department of Civil
Engineering, University of Miami, Coral Gables, Florida

Time-Dependent Behavior of
Elevated Prestressed Concrete Guideways
Th. Helgason, senior structural engineer, and H. G. Russell, manager,
Structural Development, Portland Cement Association, Skokie,
Illinois

Notes
Thursday, November 6
2:00 p.m. - 5:00 p.m.
COLD REGIONS CONCRETING SYMPOSIUM
sponsored by ACI Committee 306

Stanley/Park

Session Chairman: John M. Scanlon, chairman, ACI Committee 306, and chief, Engineering Mechanics Division, Concrete Laboratory, U.S. Army Engineer Watertways Experiment Stations, Vicksburg, Mississippi

Minimum Protection and Thermal Stresses in Winter Concreting
J. Neil Mustard, supervising engineer-concrete, Ontario Hydro, Toronto, Ontario

Temperature Control for Mass Concreting in Cold Regions

Durability of Exposed Concrete Flatwork in Cold Regions
Lloyd Edward Rodway, chief conrete engineer, R. M. Hardy and Associates, Ltd., Calgary, Alberta

Factors Controlling Strength and Cost of Concrete Cast Near Freezing Point Temperatures
Joseph Hode Heyser and Jules Houdes, professors, Ecole Polytechnique, Montreal, Quebec

Use of Reg-Set Cement for Cold Weather Concrete Construction
George C. Hoff, supervising research civil engineer, U.S. Army Engineer Watertways Experiment Station, Vicksburg, Mississippi

Discussion of ACI Recommendations for Cold Weather Concreting
Lewis H. Tuthill, concrete engineering consultant, Sacramento, California

Notes

Friday

November 7
9:00 a.m. - 12:00 noon
DESIGN AND CONSTRUCTION OF OCEANIC PLAZA OFFICE TOWER

Fraser

Session Chairman: Gerald W. Elkington, principal, R. M. Hardy & Associates, Burnaby, British Columbia

Architectural Design Concepts
Charles Paine, senior partner, Paine and Ching, Vancouver, British Columbia

Structural Design
H. Roger Woodhead, project engineer, and Gordon E. Antenbrin, associate in charge, McKenzie, Snowball, Skalbina and Associates, Vancouver, British Columbia

Construction Techniques
E. L. S. Skodje, building division manager, Dillingham Corporation Canada Ltd., North Vancouver, British Columbia

9:00 a.m. - 12:00 noon
LIMIT DESIGN OF SLABS:
CODE CONSIDERATIONS
sponsored by Joint ACI-ASCE Committee 421

Stanley/Park

Session Chairman: T. Z. Chastain, chairman, ACI Committee 421, and chairman of the board, Chastain and Tindel, Inc., Consulting Engineers, Tucker, Georgia

Design Concepts for Floor Slab Systems
Richard W. Furlong, professor of civil engineering; and James O. Jirsa, associate professor of civil engineering, University of Texas at Austin, Austin, Texas

Equilibrium Theory and Strip Method
Arne Hillerborg, professor, Division of Building Materials, Lund Institute of Technology, Lund, Sweden

Yield Line Method = Strip Method = Segment Equilibrium Method
Frederick P. Wiesinger, professor of structural engineering, University of Illinois at Chicago Circle, and chairman of the board, Wiesinger-Holland Ltd., Chicago, Illinois

Does ACI 318-71 Allow Yield-Line Design of Slab?
Sidney H. Simmonds, professor of civil engineering, University of Alberta, Edmonton, Alberta; and Amin Ghali, professor of civil engineering, University of Calgary, Calgary, Alberta

Punching Strength Design Criteria for Flat Slabs
Hans Gesund, professor of structural engineering, University of Kentucky, Lexington, Kentucky

Shear Problems in Slabs
Neil M. Hawkins, professor of civil engineering, University of Washington, Seattle, Washington
ACI FUTURE CONVENTIONS

1976 Annual Convention
Philadelphia, Pennsylvania
March 28 - April 2
1976 Fall Convention
Mexico City, Mexico
Co-Sponsor: Instituto Mexicano del
Cemento y del Concreto, A.C.
October 24-29
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

THE BIRTHPLACE
OF AMERICA

1976 Fall Convention

MEXICO

PHILADELPHIA
HOSTING ANNUAL
ACI CONVENTION

MARCH 28 -
APRIL 2 1976

★ ★ ★
Tower Facilities

- Balcony
- Coats
- Elevators to Lobby
- Service Elevator
- Stairs
- Hotel Offices
- President
- Board
- Director
- North
FAMILY MEMBERS’ PROGRAM

Here you are in Vancouver and the answers to what to do are plenty!

In the mornings, come to the Hospitality Suite for coffee and rolls to start the day out. Afternoons are casual with some unusual sites to see and things to do. Just check at the Hospitality Suite to find out what, when and where.

Besides the planned group functions, each family member will be furnished a list of places to go during free time. How about boating on the Lost Lagoon or a visit to the unique Shakespeare Garden? There’s the continent’s second largest Chinatown with intriguing shops and restaurants to experience, see the Indian Totems, or enjoy an exceptional aquarium.

At the Heritage Village you’ll get a glimpse of life at the turn of the century. And just across the Gulf of Georgia on Vancouver Island is Victoria, the provincial capital of British Columbia. Victoria is noted for its English atmosphere complete with cricket fields, double-decker buses and tea shops.

Minutes from the Bayshore Inn, you’ll find brilliant and quaint shops with bargains galore. Look for very good buys on imported Oriental silks, bamboo work, china, furs, embroidery, ornaments, sportswear, leather goods, woollens, and Indian handicrafts.

On Wednesday evening, you’ll be getting together with the conference for a "Concrete Mixer". The rest of the evenings, you’ll have the opportunity to sample the nightlife and eateries of Vancouver, following our recommended list.

Have a ball!

HOSPITALITY SUITE: MAI TAI

Wakeup Coffee and Danish
Monday – Thursday 9:00 a.m. - 12 noon
Friday 9:00 a.m. - 10:30 a.m.

SCHEDULED ACTIVITIES

Tuesday
Tour of Andres Wines and Simon Fraser University
Leave 1:00 p.m. Return 5:00 p.m.

Wednesday
Harbor Tour on a Sternwheeler
Leave 1:30 p.m. Return 3:00 p.m.

Thursday
Chinatown Lunch and Shopping Tour
Leave 10:30 a.m. Return 4:00 p.m.

Friday
Tea and Coffee Demonstration
10:30 a.m. - 11:30 a.m.

VANCOUVER CONVENTION COMMITTEE

A. J. Montador, General Chairman
British Columbia Department of Highways
Wilfrid G. Heslop
University of British Columbia (retired)
Gerald W. Runolfson
Master Builders Ltd.
Gerald W. Elkinson
R. M. Hardy & Associates

Finance Committee
Gerald W. Runolfson, Chairman
Master Builders Ltd.
Wilfrid G. Heslop
University of British Columbia
Gerald W. Elkinson
R. M. Hardy & Associates
Robert W. Piggott
Portland Cement Association
Bryant A. Zavitz
Gulf Concrete Products Ltd.
James G. Mutrie
Read, Jones, Christopher
Richard A. Spencer
University of British Columbia
George D. Gummer
Dillingham Corporation Canada Ltd.

Family Members’ Program Committee
Philip T. Seabrook, Chairman
B. H. Leveton & Associates
Elizabeth Seabrook
Beverly Piggott
Marion Elkinson

Housekeeping
Bryant A. Zavitz
Gulf Concrete Products Ltd.

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 1975 Fall Convention.