

program

**AMERICAN
CONCRETE
INSTITUTE**

17th Fall Convention

**NOVEMBER 11-13, 1964
DUPONT PLAZA
MIAMI, FLORIDA**

progress through knowledge



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AMERICAN CONCRETE INSTITUTE

P.O. Box 4754, Redford Station

Detroit, Michigan 48219

ACI REGISTRATION: \$5.00

Registration daily November 11-13 on Mezzanine, Dupont Plaza. Registration fee of \$5.00 covers all ACI sessions (except some closed technical committee meetings on Wednesday) and permits attendance at Thursday sessions of the International Symposium on the Flexural Mechanics of Reinforced Concrete which are concurrent with the ACI sessions. An extra fee is charged for preprints of International Symposium papers.

NOTE FOR PROGRAM PARTICIPANTS

A breakfast is scheduled 7:30 a.m. Thursday for program participants. By invitation only.

NOTES FOR ALL REGISTRANTS

LUNCHEONS—No formal luncheons are planned. Since restaurant facilities at the Dupont Plaza are likely to be crowded, the local committee has arranged for informal luncheons at the hotel on Thursday and Friday, \$3.00 per person including tips and tax. Purchase your tickets at the Registration desk, or make your own luncheon arrangements as you choose.

COCKTAIL PARTY—A cocktail party is scheduled for 6:30-7:30 p.m. Thursday. About \$2.00 per person. Assembly Room.

LADIES PROGRAM—Registration and hospitality for ladies located in River Room C. Morning coffee hours and daily activities are scheduled.

TOURS & FIELD TRIPS—Post-convention tours are planned for Saturday to the Bacardi Building, 100 Biscayne Building, Seaquarium and Marine Stadium, and a local cement plant. Check at the registration desk.

ACI CONVENTION AND PRESS HEADQUARTERS TERRACE ROOM ANNEX— MEZZANINE

TECHNICAL COMMITTEE MEETINGS

WEDNESDAY, NOVEMBER 11

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

Technical committee meetings are scheduled all day Wednesday. See Bulletin Board at registration desk for list of committee meetings and room locations. Visitors are welcome to all meetings except those restricted to task committee chairmen and closed meetings.

TECHNICAL PROGRAM*

THURSDAY MORNING, NOVEMBER 12

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

ASSEMBLY EAST

ACI FALL CONVENTION OFFICIALLY OPENS

INTRODUCTION—W. T. Eefting, General Chairman, and director, Department of Public Works, Miami, Florida

WELCOME—R. J. McCormack, president, South Florida Chapter, and structural engineer, Portland Cement Association, Pompano Beach, Florida

REMARKS by Bryant Mather, president, American Concrete Institute

TROPICAL CONCRETE — MATERIALS

Session Chairman: Murray Mantell, chairman, Department of Civil Engineering, University of Florida, Coral Gables, Florida

TROPICAL SOUTH FLORIDA CONCRETE AGGREGATES — Hubert F. McDonell, assistant engineer of materials and tests, Florida State Road Department, Gainesville, Florida

EPOXY IN THE EVOLUTION OF CONSTRUCTION TECHNIQUES—John R. Robinson, technical & sales manager, International Epoxy Corp., Fort Lauderdale, Florida

CONCRETE MARINAS—IMPORTANT DESIGN AND CONSTRUCTION ASPECTS—E. P. Sellner, manager, Water Resources Bureau, Portland Cement Association, Chicago, Illinois

*ACI sessions on Thursday run concurrently with sessions of the International Symposium on the Flexural Mechanics of Reinforced Concrete, meeting in Assembly West

THURSDAY AFTERNOON, NOVEMBER 12

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

ASSEMBLY EAST

TROPICAL CONCRETE — CONSTRUCTION

Session Chairman: D. L. Bloem, ACI Director, and director of engineering, National Ready Mixed Concrete Association and National Sand and Gravel Association, Silver Spring, Maryland

IN SITU AND PRECAST CONSTRUCTION IN WEST AFRICA — Terry Chadwick, consulting engineer, Chadwick, O'Heocha & Associates, London, England

CONCRETE MASONRY CONSTRUCTION IN FLORIDA—William E. Scott, president, Hartstone Concrete Products Co., Inc., Tampa, Florida.

100 BISCAYNE BUILDING—H. M. Schwartz, chief structural engineer, Rader and Associates, Miami, Florida.

CRACKING OF CONCRETE PAVEMENT PLACED DURING HOT WEATHER—A. R. Mead, concrete engineer, Sacramento District, Corps of Engineers, and D. D. Fenton, International Engineering Co., Sacramento, California

6:30 - 7:30 p.m.

COCKTAIL PARTY — about \$2.00 per person, Assembly Room.

FRIDAY MORNING, NOVEMBER 13

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

ASSEMBLY EAST

GENERAL SESSION

Session Chairman: Bryant Mather, president, American Concrete Institute and chief, Special Investigations Branch, Concrete Division, U. S. Army Engineer Waterways Experiment Station, Corps of Engineers, Jackson, Mississippi

PROPOSED REVISIONS TO ACI STANDARDS:

EVALUATION OF RESULTS OF STRENGTH TESTS OF CONCRETE (ACI 214-57)

MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315-57)

REPORT ON THE EIGHTH CONGRESS OF THE INTERNATIONAL COMMISSION ON LARGE DAMS—William R. Waugh, chief, Concrete Branch, Office, Chief of Engineers, Department of the Army, Washington, D. C.

GLOSSARY OF ENGINEERING TERMINOLOGY IN SPANISH LANGUAGE WITH ENGLISH EQUIVALENTS—Zacarias Bramnick, director, National Bureau of Standards Bilingual Program, School of Engineering, University of Miami, Coral Gables, Florida

COMMITTEE PROGRESS REPORTS—Moderator: Samuel J. Henry, technical director, American Concrete Institute, Detroit, Michigan

FRIDAY AFTERNOON, NOVEMBER 13

2:00 - 5:00 p.m.

ASSEMBLY WEST

TROPICAL CONCRETE - DESIGN

(Concurrent Session)

Session Chairman: A. Carl Weber, director of research and engineering, Laclede Steel Company, St. Louis, Missouri

SEBASTIAN INLET BRIDGE—W. E. Dean, principal engineer, Howard, Needles, Tammen & Bergendoff, Orlando, Florida

NEW APPROACH TO THIN SHELL CONSTRUCTION—Bertram S. Warshaw, consulting engineer, Coral Gables, Florida

DESIGN OF NATIONAL STADIUM IN JAMAICA—C. J. Evans, partner, Wallace Evans & Partners, Kingston, Jamaica

BACARDI BUILDING—Angel Herrera, SACMAG of Puerto Rico, Inc., Santurce, Puerto Rico, and Edwin C. Bliss, president, SACMAG and Associates, Inc., Miami Beach, Florida

FRIDAY AFTERNOON, NOVEMBER 13

2:00 - 5:00 p.m.

ASSEMBLY EAST

TROPICAL CONCRETE — RESEARCH

(Concurrent Session)

Session Chairman: R. J. McCormack, structural engineer, Portland Cement Association, Pompano Beach, Florida

CREEP OF CONCRETE AT HIGH TEMPERATURES—K. W. Nasser, professor, Department of Civil Engineering, University of Saskatchewan, Saskatoon, Saskatchewan, Canada, and A. M. Neville, chairman, Division of Engineering, University of Alberta, Calgary, Alberta, Canada

RELIABILITY OF AN ACCELERATED STRENGTH TEST ON CONCRETE—V. M. Malhotra, senior scientific officer, and N. G. Zoldners, head, Construction Materials Section, Mineral Processing Division, Mines Branch, Department of Mines and Technical Surveys, Ottawa, Ontario, Canada

A STUDY OF COMPOSITE BEAMS LOADED DYNAMICALLY—Ervin S. Perry, research engineer and Ned H. Burns, assistant professor of civil engineering, and J. Neils Thompson, professor & director, Balcones Research Center, University of Texas, Austin, Texas

DESIGN AND CONSTRUCTION OF PRECAST CONCRETE WITH BAMBOO REINFORCEMENT—Eugene F. Smith, assistant to the chief, Concrete Division, and Kenneth L. Soucier, research civil engineer, Concrete Division, U.S. Army Engineer Waterways Experiment Station, Jackson, Mississippi

CORROSION OF STEEL REINFORCEMENT IN CONCRETE—John D. Mozer, research assistant, Albert C. Bianchini, professor, and Clyde E. Kesler, professor, Department of Theoretical and Applied Mechanics, University of Illinois, Urbana, Illinois

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