Program

AMERICAN CONCRETE INSTITUTE

62nd Annual Convention

March 7-11, 1966
Benjamin Franklin Hotel
Philadelphia, Pennsylvania
BOARD OF DIRECTION

President
A. Allan Bates

Vice-Presidents
Arthur R. Anderson and Clyde E. Kesler

Directors
Delmar L. Bloem
A. A. Brielmaier
S. D. Burks
G. E. Burnett
Clayton L. Davis
Samuel Hobbs
Richard C. Mielenz
George H. Nelson
Thomas J. Reading
Paul F. Rice
J. J. Shide勒
A. Carl Weber

Past Presidents
Raymond C. Reese
Roger H. Corbeta
Bryant Mather

Executive Secretary
William A. Maples

TECHNICAL ACTIVITIES COMMITTEE

(In charge of convention program and of technical publications)

J. J. Shide勒, Chairman
A. Allan Bates, Ex-Officio
William A. Maples, Secretary
Arthur R. Anderson
S. D. Burks
G. E. Burnett
William A. Cordon
A. T. Hersey
Paul F. Rice

* Address

AMERICAN CONCRETE INSTITUTE
P.O. Box 4754, Redford Station
Detroit, Michigan 48219

— CONVENTION REGISTRATION —

Special Registration,
Sunday, March 6 . . . . . . . . . . . . . . . . 2:00 to 5:00 p.m.

Registration, March 7-10 . . . 8:00 a.m. to 6:00 p.m.

Registration, March 11 . . . . . 8:00 a.m. to 10:00 a.m.

Registration Fee of $10.00 payable at the Registration desk on the mezzanine, Benjamin Franklin Hotel. Registered members and nonmembers as well as the ladies are invited to attend the various technical sessions, symposia, social activities and the ACI men-of-the-year Awards Luncheon.

PLEASE WATCH FOR SPECIAL ANNOUNCEMENTS DAILY ON THE BULLETIN BOARD NEAR THE REGISTRATION DESK.

★★★ SPECIAL EVENTS ★★★

Technical-Educational Exhibits . . . Tuesday through Thursday along the mezzanine corridors and the Betsy Ross Suite. Have your program card (inside back flap) stamped to qualify for valuable door prizes.

★

Architectural Design Competition . . . Winning sketches and honorable mention entries on display beginning Tuesday.

★

Photo Display . . . over 100 feet of panels containing photos of unusual and outstanding concrete structures from all over the world. Monday through Friday.

★

Awards Luncheon and Installation of New ACI Officers . . . 12:15 p.m., Thursday in the Garden Terrace. One may purchase tickets up to 2:00 p.m., Wednesday at the Registration Desk. $4.50 per person.

★

Cocktail Party "Icebreaker" . . . 6:30 p.m., Tuesday in the Crystal Ballroom. Your registration badge is your admittance. Compliments of the local committee.

★

University of Illinois Alumni Breakfast . . . 7:45 a.m., Thursday in the Valley Forge Room. Tickets are available from alumni and University of Illinois staff members.

★

PCA Alumni Association . . . See bulletin board near registration desk.

★

Ladies Program . . . see the daily schedule on page 20.
BREAKFASTS

TECHNICAL COMMITTEE CHAIRMEN

Monday, 7:30 a.m. — Breakfast for chairmen of 100 and 200 groups Technical Committees (by invitation) in the Philadelphia Room.

Tuesday, 7:30 a.m. — Breakfast for chairmen of 500 group Technical Committees (by invitation) in the Philadelphia Room.

NOTE: No special breakfasts scheduled for chairmen of 300 and 400 group committees.

NOTES FOR PROGRAM PARTICIPANTS

Wednesday, 7:30 a.m. — Breakfast for program participants (by invitation) in Philadelphia Room.

Thursday, 7:30 a.m. — Breakfast for Research Session participants (by invitation) in Philadelphia Room.

Upon recognition by the chairman, a discussor will please state his name and business affiliation distinctly and go to the nearest microphone so that he may be heard by all.

☆☆☆☆☆☆☆☆☆

Dutch Treat . . . 7:30 a.m., Friday, breakfast for the Ad Hoc Committee on Cracking in the Philadelphia Room. Make your reservation at the registration desk no later than Wednesday noon.

FLOOR PLAN: For the location of the meeting rooms, check the floor plan on pages 10, 11. Rooms 40/41 are located in the same position on the various floor levels. Floor level is noted by the first digit in the room number (ie) 540/541—fifth floor. Check the bulletin board daily for specific meetings and specific rooms.

TECHNICAL COMMITTEE MEETINGS

Meeting topics are in italics. Be sure to check the bulletin board for last-minute changes or added meetings.

SUNDAY, March 6
2:00 p.m. - 5:00 p.m.
213 Lightweight Aggregate Concrete Jefferson

7:00 p.m. - Midnite
213 Lightweight Aggregate Concrete Jefferson

MONDAY, March 7
9:00 a.m. - 12:00 Noon

COMMITTEE

Meeting Room

— Ad Hoc Committee on Effect of Temperature on Concrete Commodore Barry

118 Use of Computers (Symposium publication, computer nomenclature) Poor Richard A

214 Evaluation of Results of Strength Tests of Concrete (Task group reports) Jefferson

313 Concrete Bins and Silos Philadelphia

315 Detailing Reinforced Concrete Structures (Subcommittee assignments) Poor Richard B

318 Subcommittee 9 of Committee 318 (Design considerations; ACI Code) Independence

340 Ultimate Strength Design Handbook 40/41*

344 Circular Prestressed Concrete Structures (Draft report) 40/41*

423 Prestressed Concrete - Joint ACI-ASCE (Unbonded post-tensioned concrete and service load behavior) Franklin

428 Limit Design - Joint ACI-ASCE (Subcommittee reports; research) Valley Forge A

517 Low Pressure Steam Curing Washington

523 Insulating and Cellular Concretes (Final drafts on “Low Density Concretes”) William Penn

533 Precast Panels Valley Forge B
### MONDAY, March 7

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

<table>
<thead>
<tr>
<th>COMMITTEE</th>
<th>Meeting Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>118 Use of Computers (Continuation of morning session)</td>
<td>Poor Richard A</td>
</tr>
<tr>
<td>211 Proportioning Concrete Mixes (Revisions of ACI 613-54)</td>
<td>40/41*</td>
</tr>
<tr>
<td>215 Fatigue of Concrete</td>
<td>40/41*</td>
</tr>
<tr>
<td>304 Measuring, Mixing, and Placing of Concrete (Organizational discussions and mission)</td>
<td>Poor Richard B</td>
</tr>
<tr>
<td>305 Hot Weather Concreting (Revision of ACI 605-59)</td>
<td>Commodore Barry</td>
</tr>
<tr>
<td>309 Consolidation of Concrete</td>
<td>Valley Forge A</td>
</tr>
<tr>
<td>313 Concrete Bins and Silos</td>
<td>Philadelphia</td>
</tr>
<tr>
<td>318 Subcommittee 2 of Committee 318 on Load Tests (Revision of 318, Chapter 2)</td>
<td>40/41*</td>
</tr>
<tr>
<td>325 Structural Design of Concrete Pavements for Highways and Airports (Subcommittee reports: Prestress pavement; subgrade and subbases)</td>
<td>Independence</td>
</tr>
<tr>
<td>344 Circular Prestressed Concrete Structures (Continuation of morning session)</td>
<td>40/41*</td>
</tr>
<tr>
<td>347 Formwork for Concrete (Revision to the ACI Standard and Manual)</td>
<td>Washington</td>
</tr>
<tr>
<td>408 Bond Stress (Subcommittee reports, possible code recommendations)</td>
<td>Jefferson</td>
</tr>
<tr>
<td>423 Prestressed Concrete (Continuation of morning session)</td>
<td>Franklin</td>
</tr>
<tr>
<td>437 Strength Evaluation of Existing Concrete Structures (Review draft and initiate preparation of a guide on &quot;Strength Evaluation of Existing Concrete Bridges&quot;)</td>
<td>Valley Forge B</td>
</tr>
<tr>
<td>523 Insulating and Cellular Concretes (Continuation of morning session)</td>
<td>William Penn</td>
</tr>
</tbody>
</table>

### TUESDAY, March 8

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

<table>
<thead>
<tr>
<th>COMMITTEE</th>
<th>Meeting Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>117 Tolerances (Classification of categories in concrete construction)</td>
<td>Poor Richard B</td>
</tr>
<tr>
<td>201 Durability of Concrete</td>
<td>Valley Forge A</td>
</tr>
<tr>
<td>207 Mass Concrete (Preparation of committee report, &quot;Principles Applied to Mass Concrete Construction&quot;)</td>
<td>Independence</td>
</tr>
<tr>
<td>216 Fire Resistance and Fire Protection of Structures (Reorganization of subcommittees; preparation of guide; report on research)</td>
<td>Philadelphia</td>
</tr>
<tr>
<td>223 Expansive Cement Concretes (Report on first draft of state of the art)</td>
<td>Poor Richard A</td>
</tr>
<tr>
<td>316 Specifications for Concrete Pavements and Bases (Revision of ACI 617-58)</td>
<td>William Penn</td>
</tr>
<tr>
<td>318 Subcommittee 23 of Committee 318 on Footings (Preliminary work for next Code)</td>
<td>40/41*</td>
</tr>
<tr>
<td>344 Circular Prestressed Concrete Structures (Draft report)</td>
<td>40/41*</td>
</tr>
<tr>
<td>408 Bond Stress (Code recommendations; Subcommittee reports)</td>
<td>Jefferson</td>
</tr>
<tr>
<td>421 Design of Reinforced Concrete Slabs - Joint ACI-ASCE (Development of new design specifications)</td>
<td>Commodore Barry</td>
</tr>
<tr>
<td>435 Deflection of Concrete Building Structures (Final revision of committee report; Subcommittee report on allowable deflections; recommendations for revision of ACI Code)</td>
<td>Franklin</td>
</tr>
<tr>
<td>437 Strength Evaluation of Existing Concrete Structures (Review draft and initiate a guide on &quot;Strength Evaluation of Existing Concrete Bridges&quot;)</td>
<td>Valley Forge B</td>
</tr>
</tbody>
</table>

---

*40/41 Rooms are located in exact relationships on all floor levels. See bulletin board for room floors.*
### TUESDAY, March 8

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

<table>
<thead>
<tr>
<th>COMMITTEE</th>
<th>Meeting Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Educational Exhibits Open</td>
<td></td>
</tr>
<tr>
<td>— Chapter Forum</td>
<td>Poor Richard B</td>
</tr>
<tr>
<td>223 Expansive Cement Concretes</td>
<td>Poor Richard A</td>
</tr>
<tr>
<td>(Continuation of morning session)</td>
<td></td>
</tr>
<tr>
<td>302 Concrete Floor Finishes</td>
<td>Independence</td>
</tr>
<tr>
<td>(Future plans)</td>
<td></td>
</tr>
<tr>
<td>307 Reinforced Concrete Chimneys</td>
<td>40/41*</td>
</tr>
<tr>
<td>(Design and construction)</td>
<td></td>
</tr>
<tr>
<td>311 Inspection of Concrete</td>
<td>Commodore Barry</td>
</tr>
<tr>
<td>(Inspection Manual; code of inspection)</td>
<td></td>
</tr>
<tr>
<td>318 Standard Building Code</td>
<td>Washington</td>
</tr>
<tr>
<td>344 Circular Prestressed Concrete Structures (Draft report)</td>
<td>40/41*</td>
</tr>
<tr>
<td>345 Concrete Bridge Decks</td>
<td>Valley Forge A</td>
</tr>
<tr>
<td>(Review of draft outline)</td>
<td></td>
</tr>
<tr>
<td>436 Combined Footings and Caissons (Caissons)</td>
<td>Philadelphia</td>
</tr>
<tr>
<td>504 Joint Sealants</td>
<td>Jefferson</td>
</tr>
<tr>
<td>506 Shotcreting</td>
<td>William Penn</td>
</tr>
<tr>
<td>(Discussion on new recommended practice and research needs)</td>
<td></td>
</tr>
<tr>
<td>512 Precast Structural Concrete</td>
<td>Franklin</td>
</tr>
<tr>
<td>(Draft of recommended practice for precast design and construction)</td>
<td></td>
</tr>
<tr>
<td>543 Concrete Piles</td>
<td>Valley Forge B</td>
</tr>
</tbody>
</table>

**COCKTAIL PARTY**

6:30 p.m.

*ICEBREAKER*

... Crystal Ballroom

Compliments of the local committee

### WEDNESDAY, March 9

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

<table>
<thead>
<tr>
<th>COMMITTEE</th>
<th>Meeting Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>212 Admixtures</td>
<td>Commodore Barry</td>
</tr>
<tr>
<td>333 Composite Construction - Valley Forge B</td>
<td>Joint ACI-ASCE (Research reports and subcommittee activities)</td>
</tr>
<tr>
<td>348 Structural Safety</td>
<td>Washington</td>
</tr>
<tr>
<td>426 Shear and Diagonal Tension - William Penn</td>
<td>Joint ACI-ASCE (Research and subcommittee reports)</td>
</tr>
<tr>
<td>439 High-Strength Reinforcement in Concrete</td>
<td>Poor Richard B</td>
</tr>
<tr>
<td>442 Lateral Forces on Multistory Frames (Subcommittee reports)</td>
<td>Valley Forge A</td>
</tr>
<tr>
<td>504 Joint Sealants</td>
<td>Jefferson</td>
</tr>
<tr>
<td>516 High Pressure Steam Curing (Symposium proposal)</td>
<td>Poor Richard A</td>
</tr>
<tr>
<td>524 Portland Cement Plaster</td>
<td>40/41*</td>
</tr>
<tr>
<td>531 Concrete Masonry Structures (Recommended practice; rational design of plain masonry)</td>
<td>Franklin</td>
</tr>
<tr>
<td>543 Concrete Piles</td>
<td>Philadelphia</td>
</tr>
</tbody>
</table>
WEDNESDAY, March 9

FIRST GENERAL SESSION
2:00 p.m. - 5:00 p.m. . . . . Crystal Ballroom


☆ Observance of 50th Anniversary of the Portland Cement Association

☆ Presentation of New Standards and Revisions:

Specifications for Structural Concrete for Buildings — by Committee 301, Russell S. Fling, chairman, and partner in the firm of Fling and Eeman, Inc., Consulting Engineers, Columbus, Ohio

Recommended Practice for Concrete Floor and Slab Construction — by Committee 302, A. T. Hersey, chairman, and technical service director, Alpha Portland Cement Co., Easton, Pa.

Recommended Practice for Shotcreting — by Committee 506, Thomas J. Reading, chairman, and chief materials engineer, Missouri River Division, U.S. Army Corps of Engineers, Omaha, Nebr.

☆ 50 Years of Research Progress — J. H. Walker, vice-president of the Research and Development Division, Portland Cement Association, Skokie, Ill.

THURSDAY, March 10

12:15 p.m. . . . . . . . . Garden Terrace

AWARDS LUNCHEON

HONORARY MEMBERSHIP
Sir William Glanville
P. H. Bates
Joe W. Kelly

Henry C. Turner Medal to
LEWIS H. TUTHILL
“For his many important contributions to concrete technology and his untiring efforts toward improving the quality of concrete and of concrete construction practices.”

Alfred E. Lindau Award to
RICHARD BRADSHAW
“In recognition of his ability in the design of many novel structures requiring practical application of recent advances in structural theory.”

Henry L. Kennedy Award to the late
STEPHEN J. CHAMBERLIN
“In recognition of his devoted service to the Institute, and particularly for his efforts over nearly thirty years in arranging the annual Research Session and in compiling the annual compendium of Research in Progress.”

Charles S. Whitney Award to
THE ENGINEERING EXPERIMENT STATION, UNIVERSITY OF ILLINOIS
“For over sixty years of internationally outstanding contributions to the sciences and arts of concrete design and construction.”

Construction Practice Award to
ANDREW R. NASSER
“For his paper ‘Construction of Buttressed Dome Segment,’ ACI JOURNAL, May 1964.”

Wason Medal for Research to
M. L. JAMES, L. D. LUTES, and G. M. SMITH
“For their paper, ‘Dynamic Properties of Reinforced and Prestressed Concrete Structural Elements,’ ACI JOURNAL, November 1964.”

Wason Medal for Most Meritorious Paper to
B. P. SINHA, K. H. GERSTLE, and L. G. TULIN
“For their papers, ‘Stress - Strain Relations for Concrete under Cyclic Loading,’ and ‘Response of Singly Reinforced Concrete Beams to Cyclic Loading,’ ACI JOURNAL, February 1964 and August 1964.”

• Announcement of Student Winners in Architectural Design Competition
• Report of Tellers and Introduction of New Officers
• Presentation of Memento to Retiring President
FLOOR PLAN

EXHIBITS

Visit daily from Tuesday through Thursday the technical-educational exhibits along the main corridors of the mezzanine and in the Betsy Ross suite. Make sure you have the flap from the inside of the program stamped at each booth to quality for door prizes.

MEETING ROOMS
Second Floor and the Mezzanine

NOTE: Technical committees will meet in 40/41 rooms on the various floor levels of the hotel. Room positions are in exact relation to ship on all levels. Be sure to check the bulletin board for specific meetings and rooms.

NOTE: Breakfasts and other meetings will be held in the Philadelphia Room which is located below the main level of the hotel just off the Coffee Shop.
SYMPOSIUM ON CRACKING

Crystal Ballroom

9:00 a.m.
CHAIRMAN: Robert E. Philleo, chairman of the Ad Hoc Committee on Cracking, and Office, Chief of Engineers, Department of the Army, Washington, D.C.

9:05
Introduction and Definition of Terms — Robert E. Philleo

9:20
Inelastic Behavior and Fracture of Concrete — Surendra P. Shah, assistant professor, College of Engineering, University of Illinois, Chicago; and George Winter, professor and head of structural engineering department, Cornell University, Ithaca, N.Y.

9:40
Discussion

9:55
Cracking Induced by Environmental Effects — Bryant Mather, recent past president of ACI, Chief, Concrete Division, U.S. Army Engineer Waterways Experiment Station, Jackson, Miss.

10:15
Discussion

10:30
Break

10:45
Cracking of Reinforced Concrete Under External Load — A. C. Bianchini, professor of theoretical and applied mechanics; Clyde E. Kesler, ACI vice-president and professor of theoretical and applied mechanics; and J. L. Gergely, assistant professor of theoretical and applied mechanics, University of Illinois, Urbana

11:05
Discussion

11:20
Maximum Crack Width in Reinforced Concrete Flexural Members — Peter Gergely, assistant professor of structural engineering; and LeRoy A. Lutz, research assistant, department of structural engineering, Cornell University, Ithaca, N.Y.

11:40
Discussion

SECTIONS

CONSTRUCTION SESSION

Franklin Suite

9:00 a.m.

9:05

9:25
Discussion

9:40

10:00
Discussion

10:15
— Break —

10:30
Place Victoria Complex, Montreal — H. E. Greenspoon, partner in the firm of Greenspoon, Freedlander & Dunne, Montreal, Quebec, Canada

10:50
Discussion

11:05
Automation on the Job Site — Charles J. Pankow, president, Charles Pankow Inc., Altadena, Calif.

11:25
Discussion
THURSDAY, March 10 . . . . . . . . . . 2:30 to 5:00 p.m.

CONCURRENT
(Note time designations for each topic)

SYMPOSIUM ON CRACKING

. . . . . Crystal Ballroom

CHAIRMAN (Second Session): Joe W. Kelly, professor emeritus of civil engineering, University of California, Berkeley

2:30 p.m. Beginning of Second Session

2:30 Control of Temperature Cracking in Mass Concrete — C. L. Townsend, civil engineer, Dam Section, Bureau of Reclamation, Denver, Colo.

2:50 Discussion

3:00 Control of Cracking in Reinforced Concrete — Paul Kaar, senior development engineer, Research and Development Division, Portland Cement Association, Skokie, Ill.

3:20 Discussion

3:30 Control of Cracking in Portland Cement Concrete Pavement—J. D. Lindsay, chief engineer, Committee on Continuously Reinforced Concrete Pavements, Concrete Reinforcing Steel Institute, Chicago, Ill.

3:50 Discussion

4:00 Prevention and Control of Cracking by Use of Short Random Fibers — James P. Romualdi, professor of civil engineering, Carnegie Institute of Technology, Pittsburgh, Pa.

4:20 Discussion

4:30 Expansive Cements in Concrete Construction — Phillip W. Gutmann, manager, special products marketing, Medusa Portland Cement Co., Cleveland, Ohio

4:50 Discussion

SYMPOSIUM ON TORSION

. . . . . Franklin Suite

CHAIRMAN: Gordon P. Fisher, chairman of Committee 438 and associate dean of engineering, Cornell University, Ithaca, N.Y.

2:30 p.m. Review of Activities of Committee 438—Torsion — Gordon P. Fisher

2:45 Aspects of Torsion in Concrete Design—Karl G. Tamberg, bridge research engineer, Ontario Department of Highways, Toronto, Ont., Canada; and Robert A. Shoolbred, field service engineer, Portland Cement Association, Atlanta, Ga.

3:15 A Look at the Development of Torsion Theories of Structural Concrete—Paul Z. Zia, professor of civil engineering, North Carolina State University, Raleigh

3:45 Behavior of Concrete Members Subjected to Torsion—Thomas T. C. Hsu, associate development engineer, Research and Development Division, Portland Cement Association, Skokie, Ill.; and Emory L. Kemp, associate professor of civil engineering, West Virginia University, Morgantown

4:35 How to Design for Torsion—Alan H. Mattock, professor of civil engineering, University of Washington, Seattle
This annual open meeting of ACI Committee 115, Research, differs from general sessions in that the information is not released for publication. Request is made that the proceedings be regarded as CONFIDENTIAL.

CHAIRMAN: William A. Cordon, chairman of ACI Committee 115—Research; and associate professor and director of structural materials research laboratory, Department of Civil Engineering, Utah State University, Logan.

ACTING SECRETARY: George W. Washa, professor and chairman, department of mechanics, College of Engineering, University of Wisconsin, Madison.

Behavior of Concrete Shell Structures — P. J. Pahl, professor of civil engineering, Massachusetts Institute of Technology, Cambridge.

Epoxy-Bonded Composite T-Beams for Highway Bridges — James D. Kreigh, associate professor of civil engineering, University of Arizona, Tucson.

Surface Chemistry of Cement — D. R. Rossington, associate professor of physical chemistry, State University of New York, Alfred.

Ultimate Strength of Slabs — S. H. Simmonds, professor of civil engineering, University of Alberta, Edmonton, Alberta, Canada.

Study of Rupture Phenomena in Concrete — Donald G. Leitch, assistant professor of civil engineering; and T. S. Huang, teaching assistant, department of civil engineering, University of Colorado, Boulder.

Dynamic Strength of Plain Concrete — Eugene Zwogor, research professor of civil engineering, University of New Mexico, Albuquerque.

Behavior of Reinforcement Crossing a Yield Line at an Angle other than 90 Degrees — Robert M. Dinnt, professor of civil engineering, Georgia Institute of Technology, Atlanta.

Creep and Relaxation Properties of Concrete at High Temperatures — Carlos Cruz, research engineer, Research and Development Division, Portland Cement Association, Skokie, Ill.

How Safe Are Our Large R. C. Beams? — G. N. J. Kani, professor of civil engineering, University of Toronto, Toronto, Ontario, Canada.

Finite Element Analysis of Reinforced Concrete Members — A. C. Scordelis, professor of civil engineering, University of California, Berkeley.
PHILADELPHIA
CONVENTION OFFICERS

CHAIRMAN EMERITUS
Jacob Creskoff

GENERAL CHAIRMAN
Henry F. Irwin

TREASURER
Joseph Farrell

SECRETARY
Greta Billner

ATTORNEY
David Creskoff, Esq.

CONVENTION COMMITTEES

COLLEGES & UNIVERSITIES
Frank Rennis

ARRANGEMENTS
Ralph Koliner

CONTRACTORS
Charles Fleming

ENGINEERS & ARCHITECTS
Thomas McCormick

EXHIBITS & DISPLAYS
Lester Jordan

FINANCE
Joseph Farrell

GOVERNMENT
Samuel Baxter

INDUSTRY
Edwin Decker

MEMBERSHIP
Jacob Creskoff

LADIES PROGRAM
Elizabeth Irwin

TECHNICAL-EDUCATIONAL EXHIBITS

Be sure to visit each of these exhibits... Discover for yourself the latest materials, equipment, and services that are available to help you in your endeavor... and, at the same time, qualify for valuable door prizes.

Booth No.(s)
1. Erico Products, Inc., Cleveland, Ohio
3-4. Sika Chemical Corp., Passaic, N.J.
5. Sonoco Products Co., Hartsville, S.C.
9. Chem-Masters Corp., Chagrin Falls, Ohio
10. Intrusion-Prepakt, Inc., Cleveland, Ohio
12-13. Master Builders, Cleveland, Ohio
15. Gateway Erectors, Chicago, Ill.
17. Calcium Chloride Institute, Washington, D.C.
26. Desco International Association, Buffalo, N.Y.
27. The Prescon Corp., Corpus Christi, Texas
29. Lee Turzillo Contracting Co., Brecksville, Ohio
36. TESTlab Corp., Chicago, Ill.
37-38. Union Carbide Corp., New York, N.Y.

(Contributor)
The Hospitality Suite will be open at 9:00 a.m. daily, March 7 through 11, with morning coffee. You are urged to use the Hospitality Suite as a “get-acquainted” center, to register there for the events which are planned for you, and to use it as a rendezvous to meet friends for personal shopping, etc.

**MONDAY, March 7**
9:00 a.m. - 4:00 p.m. Registration
9:00 a.m. - 11:00 a.m. Coffee in Hospitality Room
2:00 p.m. - 4:00 p.m. Cards Available in Hospitality Room
8:30 p.m. Philadelphia Orchestra (Gift tickets for early registrants)

**TUESDAY, March 8**
9:00 a.m. - 11:00 a.m. Hospitality Luncheon at Philadelphia 1700
12:00 Noon Complimentary Luncheon at Crystal Ballroom
6:30 p.m. - 8:30 p.m. “ICE-BREAKER” —

**WEDNESDAY, March 9**
9:00 a.m. - 10:00 a.m. Hospitality Luncheon at 2601 Parkway*
10:00 a.m. Visit to Fairmount Park Houses
1:00 p.m. Luncheon at 2601 Parkway*
8:30 p.m. Theatre Gift Tickets for Early Registrants

**THURSDAY, March 10**
9:00 a.m. - 11:00 a.m. Hospitality Luncheon at 2601 Parkway*
2:30 p.m. “Mystic and Magical East” —
Armone Levonian followed by Tea
Jefferson Room

**FRIDAY, March 11**
9:00 a.m. - 11:00 a.m. Hospitality Luncheon at 2601 Parkway*
* Trip and Luncheon Tickets — $4.00

**PHILADELPHIA HOSTESS COMMITTEE**
Mrs. Harry F. Irwin, Chairman
Mrs. Jacob J. Cresko, Co-Chairman

**Planning Committee**
Mrs. Karl P. Billner
Mrs. Charles W. Fleming
Mrs. Charles A. Keelen
Mrs. Lester E. Jordan

Mrs. Alfred A. Estrada
Mrs. Ralph Koliner
Mrs. Donald D. Meisel
Mrs. Samuel S. Baxter

**Hostesses**
Mrs. Charles C. Ang
Mrs. James C. McCloskey, Jr.
Mrs. Stanley E. Giffing
Mrs. Frederic Roll
Mrs. Sidney Shorr
Mrs. John B. Yerkes

Mrs. Frank C. Hartzell
Mrs. Arthur W. Lookup
Mrs. Charles C. Zollman
Mrs. Isadore Caplan
Mrs. Joseph J. R. Farrell

Committee Members, identified by distinguishing badges, will be happy to answer questions or help with problems.