56th Annual ACI Convention

Hotel Commodore
New York City
March 14-17, 1960

American Concrete Institute
BOARD OF DIRECTION

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TECHNICAL ACTIVITIES COMMITTEE
(In charge of convention program and of technical publications)

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G. E. BURNETT
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MICHAEL V. PREGGOFF
JOSEPH J. SHIDELER

* Address

AMERICAN CONCRETE INSTITUTE
P. O. Box 4754, Redford Station
Detroit 19, Michigan

CONVENTION REGISTRATION

Monday — Thursday
March 14-17, 1960
9:00 a.m.—5:00 p.m. Daily

Registration Fee — $5.00

All ladies and registered nonmember visitors are welcome to attend technical sessions, Awards Luncheon, and social activities.

See bulletin board for special notices

TECHNICAL COMMITTEE MEETINGS

See pages 4, 5 and 6 and bulletin board at registration desk for time and location.

NOTES FOR PROGRAM PARTICIPANTS

8:00 a.m. Tuesday — Breakfast for all scheduled program participants in general convention sessions (By Invitation) Parlor A.

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

A "Convention Review" will be published in the News Letter section of the ACI JOURNAL.

ACI CONVENTION AND PRESS HEADQUARTERS — PARLOR G
TECHNICAL COMMITTEE MEETINGS

(Visitors welcome at all meetings except at executive and closed sessions.)

**Sunday, March 13**
9:00 a.m.—5:00 p.m.

<table>
<thead>
<tr>
<th>Committee</th>
<th>Meeting Room</th>
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<tbody>
<tr>
<td>326</td>
<td></td>
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<tr>
<td>Shear and Diagonal Tension, Joint ACI-ASCE</td>
<td>103</td>
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**Monday, March 14**
9:00 a.m.—12:00 Noon

<table>
<thead>
<tr>
<th>201</th>
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<tbody>
<tr>
<td>Durability of Concrete in Service</td>
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<tr>
<td>207</td>
<td>Parlor D</td>
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<tr>
<td>Properties of Mass Concrete</td>
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<tr>
<td>208</td>
<td>103</td>
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<tr>
<td>Bond Stress</td>
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<td>213</td>
<td>W. Ballroom Parlor</td>
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<tr>
<td>Properties of Lightweight Aggregates and Lightweight Aggregate Concrete</td>
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<tr>
<td>216</td>
<td>W. Ballroom Parlor</td>
</tr>
<tr>
<td>Fireproofing or Fire Protection of Structures (also p.m.)</td>
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<tr>
<td>318</td>
<td>Parlor E</td>
</tr>
<tr>
<td>Standard Building Code, Subcommittee 2</td>
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<tr>
<td>331</td>
<td>Parlor B</td>
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<tr>
<td>Structures of Masonry Units</td>
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<td>334</td>
<td>Parlor C</td>
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<tr>
<td>Concrete Shell Structures</td>
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<td>335</td>
<td>Parlor F</td>
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<tr>
<td>Deflection of Concrete Building Structures</td>
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<td>336</td>
<td>104</td>
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<td>Combined Footings</td>
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<td>621</td>
<td>102</td>
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<td>Aggregates</td>
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<td>622</td>
<td>Club Suite East</td>
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<td>Formwork for Concrete</td>
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<tr>
<td>712</td>
<td>Club Suite West</td>
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<tr>
<td>Precast Structural Concrete Design and Construction, Joint ACI-ASCE (See also p.m.)</td>
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**Monday, March 14**
2:00 — 5:00 p.m.

<table>
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<td>Nomenclature</td>
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<td>209</td>
<td>104</td>
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<td>Creep in Concrete</td>
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<td>213</td>
<td>Parlor D</td>
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<td>Subcommittee 2</td>
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<td>213</td>
<td>Parlor D</td>
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<td>Subcommittee 3</td>
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**Monday, March 14**
7:00 p.m.

<table>
<thead>
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<td>Standard Building Code (closed session)</td>
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<tr>
<td>338</td>
<td>Parlor B</td>
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<tr>
<td>Concrete Construction in the USSR and Poland (Slide Films)</td>
<td>103</td>
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<tr>
<td>714</td>
<td>Club Suite East</td>
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<tr>
<td>Concrete Bins and Silos</td>
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<td>716</td>
<td>E. Ballroom Parlor</td>
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<tr>
<td>High Pressure Steam Curing</td>
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**Tuesday, March 15**
9:00 a.m.—12:00 Noon

<table>
<thead>
<tr>
<th>115</th>
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<tr>
<td>Research (Executive Group only)</td>
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<td>212</td>
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<td>Admixtures</td>
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<td>W. Ballroom Parlor</td>
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<td>Subcommittee 4</td>
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<td>213</td>
<td>W. Ballroom Parlor</td>
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<tr>
<td>Properties of Lightweight Aggregates and Lightweight Aggregate Concrete</td>
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<tr>
<td>214</td>
<td>Parlor E</td>
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<td>Evaluation of Results of Strength Tests of Concrete</td>
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<td>318</td>
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<td>Standard Building Code, Subcommittee 8</td>
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<td>328</td>
<td>E. Ballroom Parlor</td>
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<tr>
<td>Limit Design, Joint ACI-ASCE</td>
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<tr>
<td>339</td>
<td>Parlor F</td>
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<tr>
<td>Allowable Stresses in Reinforcement</td>
<td></td>
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<tr>
<td>505</td>
<td>Parlor A</td>
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<tr>
<td>Design and Construction of Reinforced Concrete Chimneys</td>
<td></td>
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</tbody>
</table>
Wednesday, March 16
7:00 p.m.

318 Standard Building Code
(closed session) South Room

NEW YORK CONVENTION COMMITTEE

General Committee
Roger H. Corbetta — Chairman
Admiral John J. Manning (Ret.) — Treasurer
Dugald J. Cameron — Secretary

Max Abramovitz
Boyd Anderson
Waldo G. Bowman
George N. Cohen
Clayton L. Davis
Fred J. Driscoll
William Eipel
George F. Ferris
A. L. Glassett
Ernst Gruenwald
Elliot A. Haller
Mrs. Elliot A. Haller

Frank Kelly
Brother Amandus Leo
Robert K. Lockwood
J. C. McClure
M. J. McMillan
A. F. Moore
William H. Mueser
H. T. Noyes
Emil H. Praeger
Anton Tedesko
Maxwell Upson
Carl Youngdahl

Special Committees
Entertainment
M. J. McMillan — Chairman
Local Committee Members

Publicity
Fred J. Driscoll — Chairman
Rear Adm. Martin W. Kehart
Emil H. Praeger

Membership Promotion
Dr. Jacob Feld — Chairman
Max Abramovitz Ernst Gruenwald
Peter R. Foss L. D. Long
W. J. McGinniss

Inspection Trips
Elliot A. Haller — Chairman
Boyd Anderson John M. Kyle
Gregory E. Brooks Frederick S. Merritt
James E. Halpin William H. Mueser
William W. Karl R. G. Watson

Ladies Program
Mrs. Elliot A. Haller — Chairman
Miss Helen E. Casey Mrs. H. T. Noyes
Mrs. Helen Labahn Mrs. George F. Pavarini
Mrs. Robert K. Lockwood Mrs. Walter Price
Mrs. John J. Manning Mrs. Raymond C. Reese
Mrs. Douglas McHenry Miss Rosette Tarricone
Mrs. M. J. McMillan Miss Thelma Weiss

Educational
Brother Amandus Leo — Chairman
Milton Alpern William S. LaLonde, Jr.
Adm. W. Mack Angas (Ret.) Robert W. McLoughlin
Sidney Borg James Michalos
Jewel M. Garrelts Charles E. Schaffner
Olindo Grossi Esmond Shaw
Paul Hartman James Grote VanDerpool
Joseph Wiesenfeld

Exhibits
Robert K. Lockwood — Chairman
William Griffin Dan Morris
James Noonan

Finance
George F. Ferris — Chairman
Roger H. Corbetta William H. Mueser
Adm. John J. Manning H. T. Noyes
FIRST GENERAL SESSION

Tuesday, March 15
2:00 p.m.—5:00 p.m.

President's Address — PHIL M. FERGUSON,
University of Texas

Appointment of Tellers to canvass ballots

Committee Reports:

Committee 326
Shear and Diagonal Tension
EIVIND HOCNESTAD, Chairman

Committee 401
Specifications for Structural Concrete
GEORGE H. NELSON, Chairman

Committee 609
Consolidation of Concrete
JOSEPH J. WADDELL, Chairman

6:00 p.m.

Cocktail Party
Grand Ballroom

This party is presented with the compliments of the
New York committee. Wear your badge; it is your ticket
of admission.
Wednesday, March 16
9:00 a.m.—12:00 Noon
WEST BALLROOM

CONCURRENT

(1) MODEL TESTS

JOE W. KELLY, Chairman

Testing Rigid Frame Bridge Model to Ultimate Load

C. S. WU
California Institute of Technology

A. A. PAP
and
D. H. PLETTA
Virginia Polytechnic Institute

Structural Models Evaluate Behavior of Concrete Dams

JEROME M. RAPHAEL
University of California

Glen Canyon Dam Structural Model Tests

GEORGE C. ROUSE
U. S. Bureau of Reclamation

Experiments with Thin-Shell Structural Models

J. L. WALING
and
LONGIN B. GRESZCZUK
Purdue University

(2) HIGHWAYS

LEWIS H. TUTHILL, Chairman

Air-Entrained Concrete After 20 Years

E. A. FINNEY
and
RAY DURFEE
Michigan State Highway Department

Continuous Placement of Concrete on Three-Span Continuous Units of Bruckner Highway

H. B. BRITTON
State of New York Department of Public Works

The AASHO Road Test—A Background Report

FRANK H. SCRIVNER
(presented by W. R. Hudson)
AASHO Road Test

Gravel Beneficiation in Michigan

F. E. LEGG, JR.
University of Michigan
and
W. W. McLAUGHLIN
Michigan State Highway Department
ACI CONVENTION AREA
HOTEL COMMODORE

Rooms 102, 103, 104 are located on the floor above the Ballroom Floor. They may be reached by elevator or the east or west stairways.

Club Suite-East and Club Suite-West are located on the third floor above the Ballroom and may likewise be reached by elevator or stairway.

The South Room is located on the Main Lobby Floor.
Wednesday, March 16

AWARDS LUNCHEON

12:15 p.m.

GRAND BALLROOM

Presentation of Awards
by
President Ferguson on behalf of the
Board of Direction

HENRY C. TURNER MEDAL to

HARRISON F. GONNERMAN

"In recognition of his numerous and outstanding contributions to concrete technology through research and administration."

HENRY L. KENNEDY AWARD to

HARRY C. DELZELL

"In recognition of his outstanding contributions to the advancement of the objectives of the American Concrete Institute."

ALFRED E. LINDAU AWARD to

ARTHUR R. LORD

"Originator of reinforced concrete building tests; a pioneer authority in the development of flat slab construction."

LEONARD C. WASON MEDAL for “Noteworthy Research” to

BORIS BRESLER
and
K. S. PISTER

for the work reported in their paper (Proceedings V. 55, September, 1958 ACI JOURNAL).

"Strength of Concrete Under Combined Stresses."


JAMES E. BACKSTROM
RICHARD W. BURROWS
HARRY L. FLACK
RICHARD C. MIELENZ
and
VLADIMIR E. WOLKODOFF

for their four-part paper:

"Origin, Evolution, and Effects of the Air Void System in Concrete."

CONSTRUCTION PRACTICE AWARD to

J. F. CAMELLERIE

for his paper (Proceedings V. 55, April 1959 ACI JOURNAL).

"Slip Form Details and Techniques"

Announcement of Election to Honorary Membership

WILLIAM LERCH
CHARLES H. SCHOLER

Presentation of Plaque to Retiring President

Report of Tellers and Introduction of New Officers
Wednesday, March 16
2:30 p.m.—5:00 p.m.
WEST BALLROOM

CONCURRENT

(1) MATERIALS

Frank Kerekes, Chairman

Effect of Incomplete Consolidation on Pulse Velocity, Modulus of Elasticity, and Compressive and Flexural Strength of Concrete

M. F. Kaplan
South African Council of Scientific and Industrial Research

Freeze-Thaw Resistance of Concrete Made with Lightweight Aggregates

Paul Klieger
Portland Cement Association

Effect of Maximum Size of Coarse Aggregate on Properties of Concrete

Stanton Walker
and
D. L. Bloem
National Ready Mixed Concrete Association

Concrete-Making Properties of a Portland Blast Furnace Slag Cement Made with High-Magnesia Blast-Furnace Slag

N. Stutterheim
National Building Research Institute
South African Council for Scientific and Industrial Research

(2) DESIGN AND STRUCTURAL RESEARCH

Douglas McHenry, Chairman

High Strength Reinforcement in Concrete Structures
Preliminary Report of Committee 339

Robert Sailer
U. S. Bureau of Reclamation

Shrinkage and Creep in Concrete

Inge Lyse
University of Norway

Effect of Draped Reinforcement on Behavior of Prestressed Concrete Beams

J. G. MacGregor
M. A. Sozen
and
C. P. Siess
University of Illinois

Ultimate Strength Design

A. L. Parme
Portland Cement Association
Thursday, March 17
9:00 a.m. — 12:00 Noon
GRAND BALLROOM

CONCURRENT

(1) RESTORATION OF DETERIORATED CONCRETE
(Committee 201 Symposium)

HUBERT WOODS, Chairman

Conventional Methods of Repairing Concrete
LEWIS H. TUTHILL
California State Department of Water Resources

Repair of Concrete Pavements
EARL J. FELT
Portland Cement Association

The Prepakt Concrete Method
RAYMOND E. DAVIS
Consulting Engineer

Use of Epoxy Adhesives
BAILEY TREMPER
California Division of Highways

Pneumatically Applied Mortar
O. N. KULBERG
Southern California Edison Co.

Thursday, March 17
9:00 a.m. — 12:00 Noon
WEST BALLROOM

SESSIONS

(2) DESIGN AND CONSTRUCTION

RAYMOND C. REESE, Chairman

Welding of Reinforcing Steel Between Precast Concrete Units
J. NEILS THOMPSON
HUDSON MATLOCK
and
A. A. TROPAC
University of Texas

Effect of Floor Concrete Strength on Column Strength
CLYDE E. KESLER
ROBERT E. WOODS
and
ALBERT C. BIANCHINI
University of Illinois

Shear Strength of Reinforced Concrete Beams Without Web Reinforcement
JOHN E. BOWER
United States Steel Corp.
and
I. M. VIEST
AASHTO Road Test

Design and Construction of New Pier 40
DAVID P. BILLINGTON
Roberts and Schaefer Company
Thursday, March 17, 2:00 p.m.—5:00 p.m.
GRAND BALLROOM
RESEARCH SESSION

George W. Washa, Chairman
S. J. Chamberlin, Secretary
This Annual Open Meeting of ACI Committee 115 differs from general sessions in that the information is not released for publication. Request is made that proceedings be regarded as CONFIDENTIAL. Attendance at the session is the only sure way of being informed of the many future developments in concrete. A group of short papers will be presented on research techniques and preliminary results of investigations now in progress.

Effect of High Temperatures on Concrete Made with Different Aggregates—N. G. Zoldners, Canadian Department of Mines and Technical Surveys.

Turbo-Jet Engine Exhaust Impinging upon Concrete—William R. Lorman, U. S. Naval Civil Engineering Laboratory.

Insulating Concrete—Thomas W. Reichard, National Bureau of Standards.


Anti-shrinking Agents in Mortar and Concrete—Myron G. Brown, Michigan State Highway Department.


Correlation between Flexural and Tensile Splitting Strength of Concrete—I. Narrow, U. S. Corps of Engineers.

Mechanism of Autogenous Healing in Concrete—Floyd O. Slate, Cornell University.

Stress Corrosion Failures in Prestressed Concrete—Mirko Robin Ros, Zurich, Switzerland.

Investigation of Multiple Panel Reinforced Concrete Floor Slabs—Mete A. Sozen, University of Illinois.

Development of a Simple Criterion for Determining Ultimate Strength of Columns Subjected to Compression Combined with Unsymmetrical Bending—Boris Bresler, University of California.

SPECIAL EVENTS
Exhibits .......... Monday through Thursday in East Ballroom
Field trip to George Washington Bridge
and Guggenheim Museum ............... Tues., March 15
(See poster near Registration Desk for time)
Cocktail Party (complimentary) .... 6 p.m., Tues., March 15,
Grand Ballroom
Field trip to Idlewild Airport and Kips Bay
housing project ...................... Thurs., March 17
(See poster near Registration Desk for time)
Theater tickets: A limited number of tickets to several stage shows are available to ACI conventioneers at box office prices.

LADIES PROGRAM

Monday, March 14
Coffee Hour — Mezzanine 9:00 to 11:30 A.M.
Fashion Show and Luncheon
Persian Room, Hotel Plaza 12:30 P.M.
Tours thru Rockefeller Center, Empire State Bldg.,
Radio City Music Hall, Museums, etc.

Tuesday, March 15
Uptown Tour of Manhattan 9 A.M. to 2 P.M.
Luncheon at Patricia Murphy's
Candlelight Room — Yonkers Luncheon Stop on Tour

Wednesday, March 16
Coffee Hour — Mezzanine 9:00 to 11:30 A.M.
Luncheon at United Nations
Delegates Dining Room 11:45 A.M.
Tour of United Nations Immediately following luncheon.

Thursday, March 17
Coffee Hour — Mezzanine 9:00 A.M.
Downtown Tour of Manhattan 10:30 A.M.
Luncheon at Fraunces Tavern Luncheon Stop on Tour
Tours thru Rockefeller Center, Empire State Bldg.,
Radio City Music Hall, Museums, etc.

NOTE: Use of Mezzanine from 9:00 to 11:30 A.M. available to Ladies attending Convention from Monday thru Wednesday, March 14 thru 16.
NEW YORK CONVENTION
EXHIBITORS

Visit the Exhibits every day, Monday through Thursday, in the East Ballroom.

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<tr>
<th>Booth No.</th>
<th>Company</th>
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<tbody>
<tr>
<td>1-3</td>
<td>The Master Builders Company</td>
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<tr>
<td>4</td>
<td>Water Seals, Inc.</td>
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<td>American Pecco</td>
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<td>Raymond Concrete Pile Company</td>
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<td>8-9</td>
<td>Sonneborn Chemical and Refining Corporation</td>
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<td>Richmond Screw Anchor Company, Inc.</td>
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<td>Rex-Spanall, Inc.</td>
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<td>Fireproof Products</td>
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<td>14</td>
<td>The Clipper Manufacturing Company</td>
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<td>17-18</td>
<td>Autolene Lubricants Company</td>
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<td>Expanded Shale Clay &amp; Slate Institute</td>
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<td>Johns-Manville Products Corporation</td>
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<td>21-22</td>
<td>Sika Chemical Corporation</td>
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<td>23</td>
<td>Chicago Fly Ash Company</td>
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<td>Hugh F. Fenlon</td>
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<td>The Patent Scaffolding Co., Inc.</td>
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<td>28-29</td>
<td>Sonoco Products Company</td>
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<td>Precrete, Inc.</td>
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