



Highlights



PCI's 43rd Annual Convention PCI/FHWA International Symposium on High Performance Concrete New Orleans, Louisiana/October 19-22

A record 1200 enthusiastic attendees from 22 countries converged on the Hyatt Regency New Orleans in New Orleans, Louisiana, for the joint 43rd Annual PCI Convention and Exhibition and PCI/FHWA International Symposium on High Performance Concrete held October 19-22. In addition, 160 architectural and engineering students from several universities in the New Orleans area were present for a half-day Student Education Seminar. This is the largest attendance of any PCI convention in history, barring the XII FIP Congress/PCI Convention in 1994.

The theme of this year's convention

was "High Performance Precast Concrete — The Solution of Choice." The High Performance Concrete Symposium featured a state-of-the-art scientific program of more than 60 papers covering design, research, construction, performance and benefits of high performance concrete with special emphasis on bridges and transportation structures.

In addition to the Symposium program, there were sessions on Marketing — Design/Build, PCI Design Handbook (Fifth Edition), Research & Development, Seismic Design of Precast Concrete, Architectural Precast Concrete Workshop, Student Educa-

tion, Hollow-Core Manual, Architectural Precast Concrete — Wall Market, Productivity, Web Marketing, and Engineering/Drafting Managers Workshop.

Although numerous committee meetings and the annual golf outing were held on Friday, Saturday and Sunday, the convention officially began with the Exhibition Hall Grand Opening and Cocktail Party on Sunday afternoon. As usual, the Exhibitors provided a superb selection of food and drink, starting the convention off in a festive mood.

One highlight of the Convention was the Professional Members' Break-



Chairman **Gary E. Oakes** officially opened the Exhibit Hall with the ribbon cutting ceremony on Sunday.



Chairman Oakes handed the chairman's gavel to incoming chairman **Q. D. Spruill, Jr.** at the Membership Luncheon.



fast (led by **Thomas J. D'Arcy**) on Sunday morning. Many good ideas were suggested to increase and nurture PCI's Professional Membership. Those present also voted to form a Professional Members Committee. At the same meeting, Certificate of Merit Awards were given to the Technical Activities Council and PCI Committee on Building Code for the "PCI Standard Design Practice" and the PCI Committee on Precast Sandwich Wall Panels for the report "State-of-the-Art of Precast/Pre-stressed Sandwich Wall Panels."

The PCI Board of Directors met on Sunday and approved the following two major motions:

- That the appropriate committees

under the Technical Activities Council and the Research and Development Council review the proposal from **Donald Pfeifer** of Wiss, Janney, Elstner Associates titled "Delayed Ettringite Formation — A Proposal for Review of Temperature, Cement and Aggregates Used in the Precast Concrete Industry," so that the Councils can make a recommendation to the Board as to whether to accept the proposal and how it might be funded.

- That the Board approve a subcommittee on Fiber Reinforced Plastics under the Research and Development Council.

Following tradition, the business

meeting breakfast was held Monday morning. PCI Chairman **Gary E. Oakes** opened the meeting, noting the historic event in which PCI is collaborating with the Federal Highway Administration to organize this special Symposium. Secretary **Frank M. Denton**, State of Louisiana Department of Transportation and Development, welcomed everybody to New Orleans. Mr. Denton's department currently has under contract 100,000 sq ft of AASHTO girders and 300,000 ft of piles.

Secretary-Treasurer **Charles E. "Budd" Hilgeman** presented the Treasurer's report, emphasizing the optimistic economic outlook for PCI pro-



Anthony R. Kane, Executive Director of the Office of the Administrator for the Federal Highway Administration (right), presented **Thomas B. Battles** with an Award of Appreciation for the efforts of the PCI headquarters staff in organizing the International Symposium.



Gary E. Oakes (right) presented **Anthony R. Kane** with a Testimonial of Appreciation and Recognition for the FHWA's outstanding and effective effort in encouraging the advancement of high performance concrete throughout the United States.

PCI OFFICERS 1998



Q. D. Spruill, Jr.
Chairman



William C. Richardson, Jr.
*Vice Chairman
(Chairman-Elect)*



William E. Whitcher
Secretary-Treasurer

ducer members with total industry sales for 1997 expected to surpass \$3.5 billion.

In his report to the membership, PCI President **Thomas B. Battles** spoke about the recent strong economic growth and the need to continue with the PC-21 industry transformation process despite booming sales. He warned that only those who pursue the transformation process will be able to survive the inevitable economic downturns. (See "Get on the PC-21 Bandwagon" for excerpts from Mr. Battles' speech.)

Canadian Prestressed Concrete Institute Chairman **Mario Franciosa** reported that the Canadian precast, prestressed concrete industry is continuing its recovery and that the economic prospects for this year look good. He also said that Canadian precasters are deep into the change renewal process and that some companies are entering strategic alliances.

Next on the agenda was the presentation of awards for various industry achievements including the Medal of Honor, new PCI Fellows, Associate Member Award and The Distinguished Educator Award.

Immediately following the awards presentations was the convention's dynamic keynote speaker **Alan Parisse**, head of The Parisse Group. Mr. Parisse's presentation, aptly titled "Shaping the Future," used humor and witty anecdotes in addressing how to cope with the inevitable transitions we



Keynote Speaker **Alan Parisse** entertained the audience at the Monday Business Breakfast with his humorous yet accurate observations on coping with change in business and in life.



PCI President **Thomas B. Battles** spoke effectively on the need for Producer Members to take part in the PC-21 transformation process despite the booming sales resulting from the strong economy.

all face in business and in life. His message was that we can actively shape our future by harnessing the energy created by so-called "turbulent times."

To conclude the business meeting breakfast, Chairman **Gary E. Oakes** extended an invitation to the exhibit hall, where attendees enjoyed a delicious luncheon and met with exhibitor representatives.

Monday afternoon provided many opportunities for gathering information through multiple session meetings. The agenda included discussions of learning new ways to market and sell our products, research and development and its role in industry growth in the 21st Century, a review of the new PCI Design Handbook, Fifth Edition, and two sessions on high performance concrete addressing its general history and materials and mix design criteria.

One highlight of the convention was a spirited presentation on Design/Build strategies on Monday afternoon. **John Lawson** spoke effectively on "How to Become a First-Choice Supplier on a Design/Build Team," addressing such issues as becoming a first-choice supplier on a design/build team, positioning your firm's strengths and increasing profits. **David P. McKittrick** then spoke on "How Does Design/Build Apply in Public Work?"

On Monday evening, attendees were offered an opportunity to relax and review the day's activities at the Archi-



The 1998 PCI Board of Directors

Bottom row (left to right): **Floyd Page**, Lombard Architectural Precast Products Co., Alsip, Illinois; **William F. Dausch**, Strescon Industries, Inc., Towson, Maryland; **William E. Whitcher**, Coreslab Structures (MIAMI) Inc., Medley, Florida; **William C. Richardson, Jr.**, EnCon United, Denver, Colorado; **Q. D. Spruill, Jr.**, Gulf Coast Pre-Stress, Inc., Pass Christian, Mississippi; **Gary E. Oakes**, American Precast Concrete, Inc., Indianapolis, Indiana; **Thomas B. Battles**, Precast/Prestressed Concrete Institute; **Edward R. Sturm**, Sturm Engineering Company, Inc., Oklahoma City, Oklahoma; **Helmuth Wilden**, H. Wilden & Associates, Inc., Macungie, Pennsylvania.

Middle row (left to right): **Thomas G. Weil**, Grace Construction Products, Cambridge, Massachusetts; **David L. Sprague**, Master Builders, Inc., Cleveland, Ohio; **John G. Nanna**, J.W. Peters & Sons, Inc., Burlington, Wisconsin; **Donald W. Pfeifer**, Wiss, Janney, Elstner Associates, Inc., Northbrook, Illinois; **James Beerbower**, Flexicore Systems, Inc., Huber Heights, Ohio; **Kent D. Noyes**, CSR Albuquerque, Albuquerque, New Mexico; **Jeffrey Walters**, Raider Precast Concrete, Inc., West Burlington, Iowa; **Thomas A. Conroy**, Spancrete Northeast, Inc., South Bethlehem, New York.

Top row (left to right): **Charles H. McCarthy**, Rocky Mountain Prestress, Inc., Denver, Colorado; **Danny P. Thibodeau**, Coreslab Structures (TAMPA) Inc., Tampa, Florida; **Tony Walton**, Con-Force Structures Limited, Vancouver, British Columbia, Canada; **Patrick W. Hynes**, Morse Bros. Prestress Inc., Clackamas, Oregon; **Ned M. Cleland**, Shockey Bros., Inc., Winchester, Virginia; **Richard C. Nash**, Fabcon Incorporated, Savage, Minnesota; **Larry G. Fischer**, Concrete Industries, Inc., Lincoln, Nebraska.

Not pictured: **Rick H. Pennell**, Metromont Materials Corp., Greenville, South Carolina; **H. W. "Buck" Reinking**, Iowa Prestressed Concrete, Inc., Des Moines, Iowa; **Stanley J. Ruden**, Coreslab Structures (Ariz), Inc., Phoenix, Arizona.

Get on the PC-21 Bandwagon

Remarks made by **Thomas B. Battles**, President, Precast/Prestressed Concrete Institute, Chicago, Illinois, at the 43rd Annual PCI Convention in New Orleans, Louisiana, October 20, 1997.

It was exactly ten years ago on this day, in this city, in this hotel, in fact, in this very room, that I stood before you for the first time as the new President of PCI.

To my disappointment, that event did not garner as much attention as I had anticipated since the day was also known as Black Monday, when the Dow Jones Industrial Average fell 508 points, culminating an eight week slide of just under 1000 points, which came to be known as the Crash of 1987.

Through the whole course of the great bull market of the 1980s and 1990s, no other single financial development has drawn as much attention in the press, perhaps in the national consciousness, as the Crash of '87.

Fortunately for investors, and for our industry, the Crash did not have nearly as much long-term impact as the bullish events that preceded and followed it. In the late summer of this year, the Dow was about triple its level at the 1987 peak, and more than $4\frac{1}{2}$ times its Black Monday close. In the last 15 years, it has increased more than tenfold. To look at an historical chart of the Dow today, you would almost swear the '87 Crash was just another bump on the highway of progress.

Our current economic expansion and its associated impact upon construction have been unlike any of the earlier post-World War II recoveries. Construction has been fueled by cautious demand driven by the Baby Boomers and the desire for improved productivity. In addition, the truly global marketplace has reinforced the fact that continuing changes are required for sustained growth and improved profitability, regardless of industry or market sector. It is surely not an unrelated coincidence that our industry has also ridden this wave of prosperity to experience unprecedented sales volumes in the last few years.

However, we, like the stock investors, can ill afford to once again fall prey to complacency. We should be wise enough to recognize that we were not responsible for developing the construction boom which we now enjoy, and that many PCI Members could be left with their own Black Monday when the economic climate changes and our present good fortune begins to fade, as some forecasters are predicting for next year and beyond.

That is why it is so fortunate that many of our producers have chosen to embrace the PC-21 Transformation Process over the last three years and have begun to make some of the necessary changes in their operations, which

will enable them to maintain and even improve their market share even though total construction may diminish. It is those companies that are starting to utilize the sound business strategies learned in the PC-21 process that will be far more able to withstand the pressures of a soft market and increasing competition, and will continue to enhance their profitability and return on investment even when the going gets tough.

However, I am still concerned about the number of companies which have not yet chosen to become involved in the PC-21 process because many of them could fall victim to the eventual economic downturn, since they are still doing things the same way they have always done them and justifying it with the short-sighted placebo — "Why change? Business is great right now!"

It has become increasingly obvious that managing change, as exemplified by the PC-21 process, can and

will make a dramatic and positive difference in your individual companies and throughout our industry. But for that to happen, more companies that are currently participating in the transformation workshops must aggressively incorporate the strategies which they are learning into their own businesses. Equally important, those companies which have not been involved in the PC-21 process to date must choose to do so... and sooner rather than later!

Fortunately, we will offer another opportunity for both of these groups to participate during the coming year. Each of you has received a personal invitation to attend a special presentation on Monday evening at

which Dr. Kay Plantes, our PC-21 facilitator, will reveal our plans for the 1998 Transformation Process, and how you can become involved. I urge our Producer Member CEOs to attend and learn more about how your companies can, and must, prepare for the challenges our industry will face in the next century. The opportunity has been offered and the choice is yours. It is imperative that you make the right one if you are to weather the storm which is surely looming on the horizon.

Before closing, I would like to add that my past ten years with PCI have been the most stimulating, exciting and professionally rewarding of my forty-year career in the construction industry. This is due entirely to the close relationships, friendships and continuing support that you, our PCI Members, and our headquarters staff have afforded me. I could not possibly imagine a more satisfying culmination to my career than the opportunity to have served as your President for the past decade, and, if I am fortunate, to continue doing so into the next century. I feel privileged to be playing even a small part in the success of this extraordinary industry. Thank you all for allowing me that opportunity.





Reid Castrodale (left) and **Chuck Prussack** gave an informative presentation on the development of the First Phase of the PCI Bridge Design Manual.

First Phase of Bridge Design Manual Released

Excerpts from remarks made by Chuck Prussack, Engineering Manager, Central Pre-Mix Prestress Company, and Reid Castrodale, Ralph Whitehead Associates, at the 43rd PCI Annual Convention, New Orleans, Louisiana, October 20, 1997.

After nearly four years of construction, the first phase of the new PCI Bridge Design Manual is now available. The seven chapters comprising this first phase will provide designers and fabricators with basic information regarding the design, fabrication and erection of prestressed concrete bridges. It even includes design examples worked out using the current AASHTO Standard Specifications and the new AASHTO LRFD Bridge Design Specifications. It also has several appendices including notation, standard products, sample specifications and a glossary.

The second phase, which is already being written, will be available in about 18 months. It will include more specialized chapters such as aesthetics, long-span and curved bridges and seismic design. It will also have chapters on additional precast concrete bridge products (other than girders) and railroad bridges.

We have known that we needed a comprehensive manual to replace the 22-year-old Short Span Bridges Manual and design examples since the early 1980s. Work on this Manual actually began in earnest in 1993 when the Manual Steering Committee was formed to oversee its development. The members of the committee came from both the PCI Bridge Producers and Bridges committees.

The Manual was reviewed by a panel made up of representatives from academia, consulting, government and industry. The final review was conducted by a Blue Ribbon Panel that included representatives from PCI's Technical Activities Council in order to ensure that the Manual met the high standards of PCI.

The Manual provides a very thorough and highly practical introduction to prestressed concrete design. The Manual currently has three prestressed girder design examples which are done using the new LRFD specifications and the previous existing code. With the need to educate all designers in the use of the new bridge code, this Manual is very timely.

Design seminars are planned as the primary method of distribution for the Manual. These one-day seminars, sponsored by local precasters and held across the United States, are a great opportunity for producers to get on the bandwagon and provide this much needed reference to our local designers. A complete package of visuals has been prepared for the seminars and a group of speakers has been assembled and trained to facilitate setting up a seminar in your area. Contact PCI headquarters for more information.

tectural Precaster's Get-Together Reception.

Sessions held on Tuesday covered diverse topics: seismic design of precast concrete, a look at revisions to the PCI Hollow-Core Manual, student education as a key to long-term industry growth and high performance con-

crete sessions addressing laboratory research and future directions, and quality concepts and construction techniques. In addition an Architectural Workshop on Managing for Profit for Architectural Precasters was held on Tuesday morning.

The High Performance Concrete



Charles E. Hilgeman organized the very successful Student Education Seminar on Tuesday morning, October 21. Some 160 architectural and engineering students from several universities in the New Orleans area were in attendance.

Luncheon was held on Tuesday featuring awards presentations for the PCI/FHWA Symposium Technical and Steering committees, Plant Safety and Certification Awards, PCI JOURNAL Awards and Certificate of Merit presentations. At this meeting, **Dr. Anthony R. Kane**, Executive Director, Office of the Administrator, Federal Highway Administration, gave a very effective presentation on the scope of federal programs in the United States. The agency employs about 3500 people and oversees a budget of more than \$20 billion. Also at this meeting, a certificate of appreciation was presented to **John M. Hooks**, FHWA, Office of Technology Applications.

The remainder of the day was open for browsing through the exhibit hall and perusing the latest offerings to our industry.

Rounding out the day's activities, the popular annual dinner and dance proved to be a refreshing break. In between the dinner, the annual design awards presentations were made.

The final day of the convention included sessions on the architectural precast concrete wall market, progress in productivity improvements, accessing and profiting from the Internet and the heavily attended Engineering/Drafting Managers Workshop. Two high performance concrete sessions were held on Wednesday morning on the topics of structural design and concepts and precast concrete fabrication and transportation.

Wednesday afternoon featured sessions on safety issues and preparation for an OSHA inspection, marketing of parking structures as well as high performance concrete sessions on struc-

tural performance and code requirements, and project profiles and case histories.

The proceedings were officially brought to a close at the Membership Luncheon on Wednesday afternoon. After reflecting on his year as Chairman of the Board (for details, see the Chairman's Message in this issue on page 13), outgoing Chairman Oakes introduced the new PCI board members and officers. Elected as 1998 PCI Chairman of the Board is **Q. D. Spruill, Jr.** of Gulf Coast Pre-Stress, Inc. Serving with him on the Executive Committee will be Vice Chairman **William C. Richardson, Jr.**, EnCon United, along with the newly elected Secretary-Treasurer, **William E. Whitcher** of Coreslab Structures (MIAMI) Inc., Immediate Past Chairman **Gary E. Oakes**, American Precast Concrete, Inc., and PCI President **Thomas B. Battles**.

Mr. Spruill is president and CEO of Gulf Coast Pre-Stress, Inc., Pass Christian, Mississippi. A past president and board member of the Gulf South Prestressed Concrete Association, he is chairman of PCI's Institute Administration Council and co-chairman of the Program Planning Committee. In addition, he serves on the Board Nominating, Fellows Nominating, Convention Advisory, Bridge Producers and Strategic Planning committees. A past member of the PCI Board of Directors, Mr. Spruill served a two-year term as secretary and member of the board of directors of the Mississippi Gulf Coast Manufacturers Association. He holds a BS degree in business administration from Mississippi College in Clinton, Mississippi.

Mr. Richardson is executive vice president and chief operating officer of EnCon United, Denver, Colorado. A past president of the Colorado Prestressers Association and the Spancrete Manufacturers Association, he has served two terms on the PCI Board of Directors. Mr. Richardson holds BS and MS degrees in civil engineering from Virginia Polytechnic Institute. He is a registered engineer in eight states and currently serves on PCI's Precast Sandwich Wall Panels and Hollow-Core Slab Producers committees.

Mr. Whitcher is executive vice president/general manager of Coreslab Structures (MIAMI) Inc., Medley, Florida. He holds a BS degree from Loyola University and an MBA from the University of Southern California.



William Gaskill of Sumitomo Corporation of America (left) and **Robert Olsen** of Sumiden Wire Products Corporation accepted the 1997 Associate Member Award.



He is a past member of the PCI Board of Directors and currently serves on the Membership, Sales and Marketing Training, and Parking Marketing/Promotion committees. In addition to his work with PCI, Mr. Whitcher is a member of the Associated General Contractors of America and the Construction Association of South Florida.

Terms of office for new board members begin January 1, 1998. Other incoming members are:

Producer Member Zone Directors

- Patrick W. Hynes (Zone 1)
Morse Bros. Prestress Inc.
Clackamas, Oregon
- Charles H. McCarthy (Zone 2)
Rocky Mountain Prestress, Inc.
Denver, Colorado
- Richard C. Nash (Zone 3)
Fabcon Incorporated
Savage, Minnesota
- Floyd Page (Zone 4)
Lombard Architectural Precast Products Co.
Alsip, Illinois
- William F. Dausch (Zone 5)
Stresscon Industries, Inc.
Towson, Maryland
- Rick H. Pennell (Zone 6)
Metromont Materials Corp.
Greenville, South Carolina

Associate Member Director

Thomas G. Weil
Grace Construction Products
Cambridge, Massachusetts

Professional Member Director

Donald W. Pfeifer
Wiss, Janney, Elstner Associates, Inc.
Northbrook, Illinois

Chairman, Management Activities Council

H. W. "Buck" Reinking
Iowa Prestressed Concrete, Inc.
Des Moines, Iowa

Chairman, Research and Development Council

Helmuth Wilden
H. Wilden & Associates, Inc.
Macungie, Pennsylvania

CPCI Chairman

Tony Walton
Con-Force Structures Limited
Vancouver, British Columbia, Canada

AWARDS PRESENTATIONS

Award presentations for associate member recognition, plant certification participation, plant safety, outstanding PCI JOURNAL papers, distinguished educator honors and special recognitions were made at the Business Meeting Breakfast on Monday, October 20, and at the High Performance Concrete Luncheon on Tuesday, October 21.

Associate Member Award

This year's winner of the Associate Member Award was **Sumitomo Corporation of America, a Division of Sumiden Wire Products Corporation**.

Sumiden Wire Products Corporation, a leading supplier of stress relieved and low relaxation strand for precast and prestressed concrete as well as hand drawn steel wire, has been a PCI Associate Member since 1958. Sumiden began strand production in Stockton, California, in 1979. By 1989 the facility had doubled in capacity. During those

years, Sumiden supplied the eleven contiguous western states as well as Alaska and Hawaii. In 1994, the company began rail shipments to its Dixon, Tennessee, facility where it began distribution to its eastern customers.

The new Dixon facility began production of fine diameter nickel-plated stainless steel wire for the specialty spring industry in 1990. In 1993, stainless steel wire production was doubled and increased another 30 percent by 1996. The company is now the premier supplier of this technically difficult product to the United States spring industry.

Sumiden, the second oldest Associate Member in PCI, has been a long-time exhibitor at PCI Conventions and is also a long-time advertiser in the PCI JOURNAL. The company is also active in regional groups nationwide.

Accepting the award for Sumitomo Corporation of America was **William Gaskill** and **Robert Olsen** accepted the award for Sumiden Wire Products Corporation.

Plant Safety Awards

Every year, awards are given to those companies whose plants have incurred the lowest lost work time incident rate (due to injury) for the previous year. The awards, divided into categories based on the number of employees in each plant, are determined by PCI's Plant Safety Committee (**Joseph T. Dugan**, chairman). This committee collects and analyzes producer member's accident data from the previous year.

In 1996, twelve plants in the 49 employees or fewer category had no days lost due to injury. Each received a Safety Award:

- **Architectural Cladding Systems, Inc.**
Hollis, New Hampshire
- **Coreslab Structures (ONT), Inc.**
Burlington, Ontario, Canada
- **Coreslab Structures (ORLANDO), Inc.**
Orlando, Florida
- **County Prestress Corporation**
Maple Grove, Minnesota
- **CSR Albuquerque**
Albuquerque, New Mexico
- **CSR Henderson**
Henderson, Kentucky
- **Elk River Concrete Products**
Maple Grove, Minnesota

- **Louisiana Concrete Products, Inc.**
Baton Rouge, Louisiana
- **Montana Prestressed Concrete**
Billings, Montana
- **Ross Prestressed Concrete, Inc.**
Knoxville, Tennessee
- **Strescon Industries, Inc.**
Odenton, Maryland
- **Tpac, A Division of Kiewit Western Company**
Tucson, Arizona

Five plants in the 50 to 99 employees category had no lost days to injury in 1996:

- **Eastern Prestressed Concrete**
Hatfield, Pennsylvania
- **Gate Bluegrass Precast, Inc.**
Ashland City, Tennessee
- **Iowa Prestressed Concrete, Inc.**
Iowa Falls, Iowa
- **Lafarge Construction Materials**
Calgary, Alberta, Canada
- **Lafarge Construction Materials**
Winnipeg, Manitoba, Canada

One plant with more than 100 employees had no lost days to injury in 1996:

- **Manufactured Concrete Products Company**
San Antonio, Texas

Certificate of Merit Awards

The Certificate of Merit Award is presented for a PCI committee report judged to be technically outstanding and most worthy of special commendation for its merit as a contribution to the advancement of precast and/or prestressed concrete. This year, the committees responsible for two special reports were recognized for their outstanding efforts.

The "PCI Standard Design Practice," which was published in the March-April 1997 PCI JOURNAL, was prepared by the Technical Activities Council and the PCI Committee on Building Code. Members of these committees receiving Certificate of Merit Awards are:

Technical Activities Council
Thomas J. D'Arcy, Chairman
Roger J. Becker
Ned M. Cleland (current Chairman)
Greg Force
Gerald E. Goettsche
Richard Golec
Phillip J. Iverson
Paul D. Mack

Guillermo Mecalco
Donald F. Meinheit
George D. Nasser
Jagdish C. Nijhawan
Michael G. Oliva
A. Fattah Shaikh
Irwin J. Speyer
C. Douglas Sutton

PCI Committee on Building Code

Leslie D. Martin, Chairman
Roger J. Becker
Anant Y. Dabholkar
Greg Force
Harry A. Gleich
Edward J. Gregory
Phillip J. Iverson
L.S. (Paul) Johal
Paul D. Mack
Michael J. Malsom
W. Michael McConochie
Rita Seraderian
Doug Mooradian
Michael G. Oliva
Walter J. Prebis
John Salmons
Kim E. Seeber
Irwin J. Speyer
Edward P. Tumulty
Don Weiss

The report titled "State-of-the-Art of Precast/Prestressed Sandwich Wall Panels," which was published in the March-April and May-June 1997 issues of the PCI JOURNAL, was prepared by the PCI Committee on Precast Sandwich Wall Panels. The members of this committee receiving Certificate of Merit Awards are:

Kim E. Seeber, Chairman
Ray Andrews, Jr.
James R. Baty, II
Peter S. Campbell
John E. Dobbs (current Chairman)
Greg Force
Skip Francies
Sidney Freedman
Harry A. Gleich
Gerald E. Goettsche
David W. Hanson
Pat Hynes
Phillip J. Iverson
Francis J. Jacques
Paul Kourajian
Robert T. Long
Edward D. Losch
Monty Oehrlein
W. Don Paton
David N. Peterson
Rene Quiroga
William C. Richardson, Jr.
Donald J. Smith
Irwin J. Speyer
Harold E. Wescott

Certificate of Merit Awards



Members of the Technical Activities Council and the Building Code Committee (front row, left to right): **Roger J. Becker, John Salmons, Phillip J. Iverson, Leslie D. Martin, Thomas J. D'Arcy, Ned M. Cleland, and Don Weiss;** (back row, left to right): **Walter J. Prebis, Michael J. Malsom, Anant Y. Dabholkar, Kim E. Seeber, Harry A. Gleich, C. Douglas Sutton, George D. Nasser, and Michael G. Oliva.**



Thomas J. D'Arcy, former chairman of the Technical Activities Council, accepted the Certificate of Merit Award.



Leslie D. Martin, chairman of the Building Code Committee, accepted the Certificate of Merit Award.



John E. Dobbs, chairman of the Precast Sandwich Wall Panels Committee, accepted the Certificate of Merit Award.



Members of the Precast Sandwich Wall Panels Committee (front row, left to right): **W. Don Paton, Kim E. Seeber, Edward D. Losch, and James R. Baty, II;** (back row, left to right): **Harry A. Gleich, Donald J. Smith, Pat Hynes, and Ray Andrews, Jr.**



C. Douglas Sutton accepted the 1997 Distinguished Educator Award.

Distinguished Educator Award

C. Douglas Sutton, associate professor of civil engineering at Purdue University, West Lafayette, Indiana, was conferred with the PCI Distinguished Educator Award for 1997. This award recognizes distinguished educators in the fields of engineering, architecture, and construction technology who have made particularly significant contributions to the precast/prestressed concrete industry.

A faculty member at Purdue since 1961, Dr. Sutton has been a teacher of design in structural concrete for his entire career. He has received several awards for excellence in teaching from Purdue and from Chi Epsilon, the national civil engineering honorary fraternity. He has been actively involved for the past decade at the highest levels of faculty governance at Purdue, including a term as chairman of the University Senate.

Dr. Sutton has been continuously involved in research related to structural concrete, as well as instructional development research. His service to PCI extends over more than two decades. Currently, he is a member of the Technical Activities Council, the Bridges Committee, the Student Education Committee and the PCI JOURNAL Advisory Committee. He is among the ten Fellows inducted at the convention.

JOURNAL AWARDS

Each year, the Precast/Prestressed Concrete Institute selects three outstanding PCI JOURNAL papers that make significant contributions to the advancement of precast and/or prestressed concrete. Selections are made by the JOURNAL Awards Committee (**Leslie D. Martin**, chairman, di-



Donald R. Logan accepted the 1997 Martin P. Korn Award for his paper "Acceptance Criteria for Bond Quality of Strand for Pretensioned Prestressed Concrete Applications," published in the March-April 1997 PCI JOURNAL.



Donald W. Pfeifer (above) and **Matthew R. Sherman** (right) accepted the 1997 Charles C. Zollman award for themselves and co-author **David B. McDonald** for their joint paper on "Durability Aspects of Precast Prestressed Concrete — Part 1: Historical Review," published in the July-August 1996 PCI JOURNAL.

rector and former president, The Consulting Engineers Group Inc., Hiwassee, Arkansas).

Martin P. Korn Award

Named in honor of PCI's first executive secretary, the Martin P. Korn Award is given in recognition of the paper that offers the greatest contribution to the advancement of precast or prestressed concrete in the areas of design or research.

The 1997 award was given to **Donald R. Logan** for his paper "Acceptance Criteria for Bond Quality of Strand for Pretensioned Prestressed Concrete Applications," which was published in the March-April 1997 PCI JOURNAL. Based on a comprehensive research program on strand pull-out, end slip and development length tests,



Danielle Llovet accepted the 1997 Robert J. Lyman Award on behalf of **Robert E. Englekirk**, author of the paper "An Innovative Design Solution for Precast Prestressed Concrete Buildings in High Seismic Zones," published in the July-August 1996 PCI JOURNAL.



Robert E. Englekirk



David B. McDonald



this paper recommends certain acceptance criteria for bond performance of prestressing steel.

Donald R. Logan is chairman of Stresscon Corporation, Colorado Springs, Colorado. Mr. Logan founded the firm in 1968, establishing a project management organizational structure directed toward design-build negotiated clients. In 1969, he co-founded the Colorado Prestressers Association. Since 1980, he has been deeply involved in researching strand slip, bond and development length. He is one of the ten Fellows inducted this year.

Robert J. Lyman Award

Named in honor of PCI's eighth president and third executive director, the Robert J. Lyman Award recognizes the best PCI JOURNAL paper dealing with the production, erection, or construction aspects of precast or prestressed concrete components.

This year's award was bestowed on **Robert E. Englekirk** for his paper "An Innovative Design Solution for Precast Prestressed Concrete Buildings in High Seismic Zones," which was published in the July-August 1996 PCI JOURNAL. This paper discusses the application of an imaginative new structural system to a new four-story parking structure in Los Angeles, California.

Robert E. Englekirk is chief executive officer of Englekirk & Nakaki, Inc. (ENI) in Los Angeles, California. Dr. Englekirk has been a strong advocate of the use of precast structural systems in seismic areas. In 1990, he won the Charles C. Zollman Award for his paper on "Seismic Design Considerations for Precast Concrete Multistory Buildings." In 1995, he won the Martin P. Korn Award for his paper "Development and Testing of a Ductile Connector for Assembling Precast Concrete Beams and Columns." In addition to his work at ENI, he also serves as an adjunct professor at the University of California at San Diego.

Charles C. Zollman Award

Originally established in 1981 as the State-of-the-Art Award, this award recognizes those meritorious papers that advance the general understanding and knowledge of precast, prestressed concrete by bringing together available information in a single report.

The 1997 award was presented to **Matthew R. Sherman, David B. McDonald** and **Donald W. Pfeifer** for their paper "Durability Aspects of Precast Prestressed Concrete — Part 1: Historical Review," which was published in the July-August 1996 PCI JOURNAL. Based on a review of past research, this paper presents the viewpoint that some standards and specifications related to the durability of precast concrete need to be changed.

Matthew R. Sherman is a project engineer with Wiss, Janney, Elstner Associates, Inc. (WJE), Northbrook, Illinois. Mr. Sherman has been with WJE since he graduated from college and has been involved in cement and concrete research as well as investigations of prestressed concrete beams and post-tensioned parking garages. In addition, he has authored or co-authored 12 technical publications.

David B. McDonald is a project materials scientist with Wiss, Janney, Elstner Associates, Inc. (WJE), North-

brook, Illinois. Dr. McDonald has been with WJE since 1990 and has worked on numerous field, laboratory and analytical investigations, many relating to the deterioration of concrete structures. He has particular interest in the relationship between material behavior and long-term serviceability and performance. He has authored more than 30 technical publications.

Donald W. Pfeifer is vice president of Wiss, Janney, Elstner Associates, Inc. (WJE), Northbrook, Illinois. Mr. Pfeifer began his career at the Portland Cement Association (PCA) Research Laboratories, then became the first Director of PCI's Structural Precast Division. He has been active in research studies on concrete, prestressed concrete and related construction materials and has authored more than 50 technical publications. In 1994, Mr. Pfeifer was honored among the first 25 PCI Fellows.

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