PCI Technical Committee News

Subsequent to the summer meeting of the Technical Activities Committee (Leslie D. Martin, chairman), two reports were ballotted and approved by TAC and two other committee reports were submitted for TAC approval. Approved for publication is the revised and updated "Manual for Quality Control for Plants and Production of Precast and Prestressed Concrete," developed by the PCI Plant Certification Committee (Wes Westerman, chairman). Approved for limited distribution is the Fire Committee (Walter J. Prebis, chairman) report, "Pilot Fire Tests of Protective Materials Over Wide Gaps Between Flanges of Adjacent Double-Tee Roof Units." Under review are "Fabrication and Shipment Cracks in Precast Beams and Columns," submitted by the Committee on Quality Control Performance Criteria (Dino J. Scalia, chairman), and a re-formatted version of Chapter 16, Precast Concrete, for the ACI Building Code, based on work by the PCI Building Code Committee (Harold J. Jobse, chairman).

A new technical committee on High Strength Concrete was approved at the summer meeting of the Board of Directors. Its mission is:

"Develop recommended practices and specific guidelines for materials and plant procedures to achieve high strength concrete in precast operations as well as the technical consideration related to revised engineering properties of high strength concrete."

It was jointly requested by TAC and by the Structural Prestressed Concrete Committee after the SPCC Committee on High Range Water Reducing Admixtures was discharged following completion of its mission. Currently, volunteers for service on this committee are being sought. Any interested people should contact Daniel P. Jenny, PCI Technical Director (312/346-4071).

During the PCI Annual Convention, the Technical Activities Committee plus 12 of the 17 (now 18) technical committees are scheduled to meet to complete 1984 tasks and plan ahead for 1985. Putting finishing touches to their committee reports are Connection Details Committee (A. Fattah Shaikh, chairman), Committee on Quality Control Performance Criteria, Prestressed Concrete Columns Committee (Donald F. Meinhein, chairman), Committee on Tolerances (Michael W. LaNier, chairman) and the Committee on Building Code. Most other committees will be either looking at first or preliminary drafts or trying to fill gaps in near-final reports.

1984 PCI Student Design Awards Program Winners

Entrants in the ninth PCI Architectural Student Design Awards Program were challenged to design the peristyle and portal for the Chicago's World's Fair of 1992. This year, however, five projects were honored instead of a single project and secondary projects because the jury felt that each winning entry solved its specific conceptual problems and each were of equal merit.

This year's prize winners were Eliel Constantine Alfon, University of Nebraska-Lincoln; Julie Gabrielli, University of Virginia; Harold D. Lerner, SUNY at Buffalo; Mark McCullough, Louisiana State University; and Earl S. Tai, Tulane University. Open submission winners were Harold Neidinger, Texas A&M University, and Nancy A. Nerem, Miami University.

Members of the jury were Thomas H. Beeby, AIA, Chicago, Illinois; William
Morgan, FAIA, Jacksonville, Florida; and Ben Weese, FAIA, Chicago, Illinois.

The competition was open to all students attending schools of architecture in the United States and Canada. Funding for the program was provided by the Prestressed Concrete Institute and the competition was conducted by the Association of Collegiate Schools of Architecture.

Right: Jurors Ben Weese, Thomas Beeby, and William Morgan look over student design projects.

PCI/New England Region Offers Parking Structure Seminar

The New England Region of the Prestressed Concrete Institute will offer two seminars on parking structures this fall. Titled "Parking Structure Seminar: State of the Art," the all-day seminars are designed to update architects, engineers, construction managers, and owners on design, framing systems, waterproofing, and related case studies.

To augment the program, two nationally prominent speakers on parking structures will be featured: H. Carl Walker of Walker & Cagley, Kalamazoo, Michigan, and Carl Peterson of Wiss, Janney, Elstner and Associates, Inc., Northbrook, Illinois.

Seminar dates and locations are November 13, at the Marriott Inn, Burlington, Massachusetts and November 14 at the Hilton Inn, Tarrytown, New York. Seminar cost is $75 per person which includes luncheon and handout materials.

For more information or registration contract Alvin C. Ericson, Marketing Director, PCI/New England Region, RD 3, Box 158, Harvard, Massachusetts 01451. Telephone: 617/456-8299.

Neville Appointed Director of PCI's Structural Prestressed Concrete Services

Gerald B. Neville has joined the Prestressed Concrete Institute as Director, Structural Prestressed Concrete Services. In his new position, Mr. Neville will implement programs and activities beneficial to structural producers under the guidance of

Sculptor Ruth Asawa and John Small, general manager of the nearly completed Ramada Renaissance Hotel in San Francisco, supervise installation of Asawa's 6-ton, seven panel frieze in the carriage entrance of the hotel. The frieze was cast in glass fiber reinforced concrete.
the PCI Structural Prestressed Concrete Committee.

Mr. Neville has been working in the cement and concrete products industry for the past 17 years. Before joining the PCI he was manager of structural codes for the Portland Cement Association, a position he held for 8 years. From 1967 to 1976 Mr. Neville worked as structural engineer for the PCA. Prior to joining the PCA he was a bridge design engineer for the Wisconsin State Highway Commission.

A native of Green Bay, Wisconsin, Mr. Neville attended the University of Wisconsin-Madison where he obtained both a BS and MS degree in civil engineering.

In related PCI activities, Sidney Freedman has been named Director, Architectural Precast Concrete Services, and George H. Krepel Jr. has been named Safety Director and Manager of Production Programs.

CCG Changes Name to TECNOR

CCG, a Paris (France) based manufacturer of low and high carbon wire and wire products, has announced a name change. In an attempt to reflect recent and continuing technological advances, the company will now operate under the TECNOR name. The European manufacturer produces such products as galvanized wire, annealed wire, prestressing strand, prestressing wire, and indented wire.

Its North American sales office, formerly CCG/USA, will operate under the name TECNOR International/North America. It is located at 600 Third Avenue, 24th Floor, New York, New York 10016.

Collins Parking Garage at St. Francis Hospital & Medical Center in Hartford, Connecticut. The totally precast concrete structure is believed to be one of the nation's first parking garages to be engineered for office building retrofit. The prestressed precast structural components were fabricated by Blakeslee Prestress, Inc.
The main campus of King Saud University represents the largest fixed-price construction project in history. Utilizing a precast concrete structural system and exterior cladding panels cast on-site at two precasting plants, the $2 billion (U.S. dollars) project was a joint venture of Blount International, Ltd., Montgomery, Alabama, and Bouygues S.A., Paris, France.

McMaken Joins Florence Concrete Products

Robert K. McMaken has joined Florence Concrete Products, Inc., Florence, South Carolina, as executive vice president. He will be responsible for operations and sales.

Mr. McMaken, formerly with Price Brothers Co. and its subsidiary Price Brothers-Midwest, Inc., has 18 years experience in the prestressed concrete industry. He is an engineering graduate of Wright State University, past president of the Precast/Prestressed Producers of Illinois, and past chairman of the PCI specially funded research and development project, Survey of Parking Structures.

Vitelli Named Marketing Vice President Of Blakeslee Prestress

Robert J. Vitelli has been promoted to vice president of marketing at Blakeslee Prestress Inc., Branford, Connecticut. Mr. Vitelli joined Blakeslee in 1963 in the company’s project management department and subsequently moved to sales. He was made sales manager in 1978.

Mr. Vitelli is an active member of the Prestressed Concrete Institute, serving on the Marketing Committee and regional education and training subcommittees in New England. He is also active in the Connecticut Building Congress, Connecticut Construction Industry Association, and Associated General Contractors.
A combination of a top notch program and the warm hospitality of the City of Calgary brought some 600 delegates and 130 family members to the Fédération Internationale de la Précontrainte Symposia held during the week of August 25 through 31. The symposia, hosted by the Canadian Prestressed Concrete Institute, took place at the Four Seasons Hotel in Calgary, Alberta.

The main topics of the Symposia were "Concrete Pressure and Storage Vessels" and "Prefabrication." A special one-day symposium on "Concrete Sea Structures in Arctic Regions" was also featured. The papers presented topics ranging from pressure vessels for power generation, to drilling platforms for the petroleum industry, to concrete ties for railway roadbeds.

Delegates also participated in discussion periods related to the most recent developments in the design and construction...
of prestressed concrete structures and precast products. A trade exhibition, poster display, and technical film presentation enhanced the formal technical sessions and discussion periods.

Two keynote addresses were delivered at the opening session—the first by Dr. Jan Bobrowski and the second one by Dr. Arthur Anderson. Dr. Bobrowski discussed the philosophy entailed in the design and construction of complex prestressed concrete structures while Dr. Anderson talked about the inherent versatility of the material prestressed concrete.

At the opening session special FIP Medals were presented to K. G. Bernander (Sweden), A.S.G. Bruggeling (Holland), Kai Holbek (Canada), and K. V. Mikhailov (Soviet Union). These prestigious medals are given very selectively to individuals who have distinguished themselves in the field of prestressed concrete
technology over a long period of time.

During the Symposia the presidency of FIP was transferred from John Derrington of Sir Robert McAlpine & Sons Limited, London, United Kingdom to Dr. Hans Wittfoht of Polensky & Zollner, Frankfurt, Federal Republic of Germany.

The delegates and their families enjoyed special social programs throughout the week, including tours of prominent Calgary attractions. A major highlight in the city was a guided tour of the recently completed Olympic Saddledome—an all pre-cast prestressed concrete structure.

After the Symposia some delegates chose to travel on to the International Association for Bridge and Structural Engineering Conference in Vancouver on a 3-day guided bus tour through the Mountains of Alberta and British Columbia.

Undoubtedly the highlights of the social program were the Western Evening and the Closing Banquet. The Western Evening was held at the Devil's Head Ranch in the foothills of the Canadian Rockies. It provided an opportunity for the overseas guests to view a rodeo, enjoy a western barbeque, participate in the country and western entertainment and get a firsthand glimpse of Calgary's unpredictable weather. The event of the rodeo was the mastery of a Brahma Bull by FIP president, John Derrington. Additional excitement was provided by the Steele Scouts, a law enforcement group dating back to the 1800s.

In contrast to the Western Evening a
formal banquet and dance took place at
the Calgary Convention Center later in the
week. Entertainment was provided by the
Calgary Boy's Choir who acknowledged
the overseas visitors with a medley of in-
ternational folk songs.

The Symposia closed on August 31st
with an invitation to attend the next FIP
Congress, to be held in New Delhi, India, in
March 1986, and with the recognition of
George Adam, the chairman of the Local
Organizing Committee for the Symposia,
for his outstanding contribution to the pre-
cast, prestressed concrete industry in
Canada. Mr. Adam was presented with the
first ever "Lifetime Membership" in the
Canadian Prestressed Concrete Institute
by David Pickersgill, CPCI president.

The new FIP Praesidium after the general council meeting on August 31 (l-r):
M. Birkenmaier (vice president), K. V. Mikhailov (senior vice president), R. Walther (deputy
president), H. Wittfoht (president), J. A. Derrington (past president), and B. Shacklock
(general secretary & treasurer).
Zwoyer Joins T. Y. Lin International

Eugene Zwoyer has joined T. Y. Lin International, San Francisco, California, as executive vice president. Dr. Zwoyer has had an extensive professional career. His background includes such positions as director of the U.S. Air Force Civil Engineering Facility, Kirtland Air Force Base; principal of his own consulting firm; executive director of the American Society of Civil Engineers; and president of the American Association of Engineering Societies.

Dobbs Named District Manager of Price Brothers-Midwest

John E. Dobbs has been named district manager of Price Brothers-Midwest, Inc., Rochelle, Illinois. He will be responsible for sales, engineering, manufacturing, and field operations for the firm’s building and bridge component products.

Prior to joining Price Brothers, Mr. Dobbs was operations manager for National Filigree Corp., Denver, Colorado. He is a graduate of the University of Wisconsin and is a registered structural engineer in Illinois and seven other states.

Cassidy Joins American Spring Wire

Dan Cassidy has joined American Spring Wire Corporation, Bedford Heights, Ohio, as the company’s new prestressed concrete strand sales representative for the Southeastern United States market.

Mr. Cassidy will be representing both ASW and ASW IM-EX, Inc. in North and South Carolina, Georgia, Florida, Kentucky, Tennessee, Mississippi, and Alabama.

Mr. Cassidy was previously associated with Macon Prestressed Concrete Company, Macon, Georgia.

Addition to PCI JOURNAL Staff

Marianne Hanrath has joined the PCI JOURNAL as Assistant Editor, replacing Eileen Neylon who recently became editor of Intermarket magazine. In her new position Ms. Hanrath will assist George Nasser in producing the PCI JOURNAL.

Ms. Hanrath is a graduate of Northern Illinois University, Dekalb. Prior to coming to the PCI, she was an assistant editor for ELECTRI • ONICS magazine.

Five Precast Projects Win PTI Awards

Five precast concrete structures were named winners in the 1984 Post-Tensioning Institute Awards Program. They were among twelve cited for outstanding achievement in aesthetic expression, function, and/or economy in post-tensioned construction. Arthur Meenen, Sverdrup and Parcel, St. Louis, served as jury chairman.

- The Calgary Olympic Saddledome-Coliseum is believed to be the largest span concrete roof in the world, as well as the only known hyperbolic paraboloid roof in which A-frames are used to control lateral deflections. Specially designed ring-beam bearings allow angular translation while restraining the roof vertically in high seismic regions.

- The twelve-mile segment of Interstate Highway 70 through Glenwood Canyon, Colorado, is one of the last unfinished segments of interstate highways in the United States. Virtually all of the new highway that is not on bridge or in tunnel is
on embankment supported by retaining walls.

- One of the unique features of the Highway 406 Bridges over the Twelve Mile Creek, Ontario, is the use of transverse ribs located along both joint faces to reduce the segment weight and accommodate the deck flare at the north abutment. Precast segments, made of 6000 psi (41 MPa) concrete, vary in length from 6 ft (1.8 m) to more than eight feet (2.4 m) in length and weigh nearly 65 tons (59 t) each.

- Attention to details — resistance to adverse weather conditions, appearance, as well as cost savings — made the Wiscasset Bridge in Maine such a successful project. The bridge is the first precast segmental box girder bridge in the northeastern United States.

- The Marta Road Transit Bridges, Atlanta, Georgia, were the first segmented railway structures in the United States. The structures incorporate such design and construction innovations as triangular trusses for span-by-span erection.

Nylander and Braestrup Honored at IABSE Congress

The International Association for Bridge and Structural Engineering recently recognized Henrik Nylander and Mikael W. Braestrup for their contributions in the field of structural engineering. The two

Highway 406 Bridges over the Twelve Mile Creek, St. Catharines, Ontario, Canada.
men received awards at the IABSE 12th Congress held in Vancouver, British Columbia, September 3.

Professor Nylander of Sweden was presented with the International Award of Merit in Structural Engineering 1984 in recognition of his outstanding contributions in research and teaching of structural engineering.

Mr. Braestrup of Denmark received the 1984 IABSE Prize in appreciation of his important theoretical and experimental contributions in the field of reinforced concrete.

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