LETTERS TO THE EDITOR

Hopi Health Care Center

Thank you so much for featuring the Hopi Health Care Center project, PCI Design Award Winner for Best All-Precast Structure, in your July-August 2001 PCI JOURNAL. I am the director of the Indian Health Service (IHS), Division of Engineering Services in Dallas, Texas. Jacqueline Parker, P.E., was my office's project manager from early planning through construction completion on this project. I am providing clarification on two items in the article.

First, under Credits, the IHS, an operating division of the Department of Health and Human Services, owns this facility. Rather than the government giving a grant to the Hopi Tribe as the article stated, the project was built under a special contract between the IHS and the Hopi Tribe. The Hopi Tribe did a wonderful job of getting the project built, but at this time, it does not own the facility.

Mr. Alexander Ami, the first Steering Committee Chairperson for the Tribe, should get credit for this facility also. His vision and perseverance are a big part of what finally got this project off the ground. Very weak and tired, he lived just long enough to get a tour of the building in a wheelchair and nodded approvingly to the Hopi Tribe's project manager, Jeremiah LaMesa.

Second, I do not agree that the IHS required a sterile environment and “hospital-like layout.” This casts a poor and stereotypical light over the Government construction team. For all who saw the pictures in your article, I think they speak for themselves. The facility is very aesthetically pleasing and not at all sterile (see pages 52 and 54 of the article). IHS endeavors to be sensitive to the cultural needs of the different Native American and Alaskan Native Tribes we work with while staying within modest budgets.

Again, thank you for showcasing this wonderful project in which all involved can be proud. Best of all, it is a lasting legacy for the Native American population it serves.

Diane E. Stewart, AIA
Director
Department of Health & Human Services
Dallas, Texas

New Appointments to PCI Committees

The following individuals have recently accepted appointments to PCI committees. We appreciate their interest and voluntary participation.

- **ATLSS and PRESSS Committee**
  - John F. Stanton
  - University of Washington
  - Seattle, Washington

- **Plant Safety Committee**
  - Tim McCourt
  - J. W. Peters & Sons, Inc.
  - Subsidiary of The Cretex Companies, Inc.
  - Burlington, Wisconsin

- **Prestressed Concrete Pole Committee**
  - Ronald Albanese
  - Newmark International, Inc.
  - Birmingham, Alabama

- **Seismic Committee**
  - Ronald Albanese
  - Newmark International, Inc.
  - Birmingham, Alabama

- **Student Education Committee**
  - Steven T. Birchall
  - Intermountain PCI
  - Draper, Utah

I recently returned from a wildlife project in the Arizona desert where I happened to visit the Hopi Health Care Center (see article in the July-August 2001 PCI JOURNAL). This is a magnificent medical facility which is enhanced by the beauty and strength of the precast concrete structure. The authors have done a wonderful job in describing the highlights of the design and construction of this humanitarian facility.

Michael Temple
Phoenix, Arizona


Dr. Yee has written another magnificent article (“Social and Environmental Benefits of Precast Concrete Technology” May-June 2001 PCI JOURNAL). As the world's population becomes increasingly urbanized, so will there be a need for more structures to house all the people. Precast concrete is an environmentally friendly material both in its manufacture and its method of construction. I agree with the author that many decision makers in high places are not sufficiently informed about its attributes.

John White
Dallas, Texas

I regard Dr. Yee’s two articles (“Social and Environmental Benefits of Precast Concrete Technology” and “Structural and Economic Benefits of Precast/Prestressed Concrete Construction,” May-June and July-August 2001 PCI JOURNALS) as “classics.” There are many ideas and lessons that we can learn from studying these two articles. The structures that Dr. Yee has designed and constructed during his career have “stood the test of time” in some of the most highly active seismic regions of the world.

John Taylor
Toronto, Ontario, Canada

The Need for Education

I enjoyed reading the science project story in the July-August 2001 issue of the PCI JOURNAL (“Andrew Gold Earns ‘A’ With Precast/Prestressed Science Project”). This article was very well presented and provides a refreshing contrast between the heavy technical material and the light human interest stories. Keep up the good work!

Ralph Brown
Atlanta, Georgia

The Industry News section of the PCI JOURNAL is my favorite part of the issue because it contains so many interesting features. I particularly enjoy reading the human interest stories. Never forget that it is the individual people within our industry that provide the motivating force to move business forward.

Tony Adams
Miami, Florida

TECHNICAL ACTIVITIES COMMITTEE NEWS

The following summarizes the actions taken and technical events that took place this past summer:

- The Technical Activities Committee (C. Douglas Sutton, chairman) has approved the publication of the “Errata to the PCI Design Handbook (Fifth Edition).” This report, which was developed by the Industry Design Handbook Committee (Kim Seeber, chairman), will be published in the November-December 2001 PCI JOURNAL.
- The PCI Industry Handbook Committee (Kim Seeber, chairman) met at the Mayflower Park Hotel in Seattle, Washington, September 8. The committee reviewed the status of each chapter in the Sixth Edition of the Design Handbook. The issues of headed stud connection design and seismic design continue to be difficult problems to resolve. Ballots of completed chapters were taken and assignments were made of unresolved issues. It was decided to condense the section on “Vibrations of Concrete Floors” but to publish the full paper in the PCI JOURNAL.
- The report “High Performance Concrete Showcase Bridges,” developed by Henry Russell for the committee on High Performance Concrete (Richard A. Miller, chairman), has been approved for publication in the November-December issue of the PCI JOURNAL.
- The Connection Details Committee (Jagdish Nijhawan, chairman) held a two-day meeting at PCI Headquarters in Chicago, August 29-30. The purpose of the meeting was to review the manual on Standard Connections for Precast and Prestressed Concrete Construction. Every chapter, section by section, was reviewed in detail. Decisions and assignments were made to resolve controversial issues. The committee will meet again at the PCI Convention in Reno, October 20. It is anticipated that the Connections Manual will be published in 2002.
- The Headed Stud Advisory Panel met with Neal Anderson and Don Meinheir at the offices of Wiss, Janney, Elstner Associates in Northbrook, Illinois, August 7, to discuss...
the scope and progress being made on the headed study research project at WJE. In the course of the discussion, the committee members observed a stud pullout test and also heard a report of research work being conducted in Europe on this subject.

- The Professional Member Committee (Donald Raths, chairman) has produced two handsome brochures:
  - Professional Member Recruiting Brochure
  - Career Path Brochure
Currently, the committee is helping to organize a “National Precast Concrete Day” in the United States.

- An important focus of the Building Code Committee (Leslie D. Martin, chairman) has been to develop the next revision of the “PCI Standard Practice.” The intent of this document is to act as a “code” where provisions for precast/prestressed concrete are absent in the ACI Building Code. The plan is to publish this report in the PCI JOURNAL but to also offer it as a separate publication.

STUDENT EDUCATION

PCI Announces 2001 Engineering Design Awards

At their meeting on August 9, 2001, the Student Education Judging Committee selected the following Engineering Student Design Awards (Big Beam Contest) Winners:

- **National Winner:** University of Cincinnati, Cincinnati, Ohio
  - **Faculty Advisor:** Richard A. Miller
  - **Student Team:** Craig Schack, Keith Dugan and Scott Yeager
  - **PCI Producer:** Concrete Technology, Inc., Springboro, Ohio
  - **Award:** $2000 along with other prizes

Zone 1 Winners

- **First Place Winner:** Oregon State University, Corvallis, Oregon
  - **Faculty Advisor:** Keith Kaufman
  - **Student Team:** Justin Watkins, Eric Rau, Dusty Andrews and Cedric Chuigo
  - **PCI Producer:** Morse Bros., Hubbard, Oregon
  - **Award:** $1000 along with other prizes

- **Second Place Winner:** Oregon State University, Corvallis, Oregon
  - **Faculty Advisor:** Keith Kaufman
  - **Student Team:** Dawn Kori Nearing, Ben Hoffman, Troy Brown, David Cooper and David Chapman
  - **PCI Producer:** Morse Bros., Hubbard, Oregon
  - **Award:** $750 along with other prizes

Zone 2 Winners

- **First Place Winner:** The University of Utah, Salt Lake City, Utah
  - **Faculty Advisor:** Chris P. Pantelides
  - **Student Team:** Jason Binggeli, Paul Dunn, Alan Moss and Joe Rausch
  - **PCI Producer:** Eagle Precast Company, Salt Lake City, Utah
  - **Award:** $1000 along with other prizes

- **Second Place Winner:** The University of Utah, Salt Lake City, Utah
  - **Faculty Advisor:** Chris P. Pantelides
  - **Student Team:** Jason Binggeli, Paul Dunn, Alan Moss and Joe Rausch
  - **PCI Producer:** Eagle Precast Company, Salt Lake City, Utah
  - **Award:** $750 along with other prizes

Zone 3 Winners

- **First Place Winner:** South Dakota School of Mines and Technology, Rapid City, South Dakota
  - **Faculty Advisor:** M. R. Hansen
  - **Student Team:** Mark Landon, Brent Peterson, Christina Shear, Josh Setten and David Tullis
  - **Award:** $1000 along with other prizes

- **Second Place Winner:** South Dakota School of Mines and Technology, Rapid City, South Dakota
  - **Faculty Advisor:** M. R. Hansen
  - **Student Team:** Mark Landon, Brent Peterson, Christina Shear, Josh Setten and David Tullis
  - **Award:** $750 along with other prizes

- **Third Place Winner:** South Dakota School of Mines and Technology, Rapid City, South Dakota
  - **Faculty Advisor:** M. R. Hansen
  - **Student Team:** Ramesh Panchal, Rajesh Kumar, Ravi Gandhi, S. Murthy and S. Mulukutla
  - **Award:** $500 along with other prizes

- **Fourth Place Winner:** South Dakota School of Mines and Technology, Rapid City, South Dakota
  - **Faculty Advisor:** M. R. Hansen
  - **Student Team:** P. Iyer, Sreedevi Dawadi, Mehedi Rashid, Murat Mazman and P. Parasar
  - **Award:** $250 along with other prizes

Zone 4 Winners

- **First Place Winner:** University of Cincinnati, Cincinnati, Ohio
  - **Faculty Advisor:** Richard A. Miller
  - **Student Team:** Craig Schack, Keith Dugan and Scott Yeager
  - **PCI Producer:** Concrete Technology, Inc., Springboro, Ohio
  - **Award:** $1000 along with other prizes

- **Second Place Winner:** University of Cincinnati, Cincinnati, Ohio
  - **Faculty Advisor:** Richard A. Miller
  - **Student Team:** John Betsch, Joe Schillens and Chris Hammond
  - **PCI Producer:** Prestress Services, Inc., Melbourne, Kentucky
  - **Award:** $750 along with other prizes

- **Third Place Winner:** Ohio University, Athens, Ohio
  - **Faculty Advisor:** Eric P. Steinberg
  - **Student Team:** Mike Kotheimer, Marc Lehmant, Eric Reeves, Gene Sharp, Ty Thompson, Michael Hayes, Lisa Sargent, Jill Morrison, Brian Dhune, and Nate Gamber
  - **PCI Producer:** Flexicore Systems, Inc., Huber Heights, Ohio
  - **Award:** $500 along with other prizes

- **Fourth Place Winner:** University of Illinois at Urbana-Champaign, Urbana, Illinois
  - **Faculty Advisor:** Dan Kuchma
  - **Student Team:** Wilkins Aquino, Steve Barg, Matt D’Ambrosia, Ho Jung Lee and Myoungsu Shin
  - **PCI Producer:** Illinois Concrete Co., Salem, Illinois
  - **Award:** $250 along with other prizes

Zones 5 and 6 Winners

No entries were received this year from PCI Zones 5 and 6.

Best Report Winner: Oregon State University, Corvallis, Oregon
- **Faculty Advisor:** Keith Kaufman
- **Student Team:** Justin Watkins, Eric Rau, Dusty Andrews and Cedric Chuigo
- **PCI Producer:** Morse Bros., Hubbard, Oregon
- **Award:** $500
The PCI Engineering Design Competition (Big Beam Contest) is organized by PCI's Student Education Committee (Alvin C. Ericson, chairman) and sponsored by Sika Corporation. The objective is for teams of students to construct and test a precast, prestressed concrete beam with the help of local PCI producer members. Prizes are awarded for the most efficient design, highest load capacity, best report and other categories.

Applications for the Big Beam Contest 2002 are due at PCI by March 1, 2002, and test results by June 1, 2002. For additional information on this program, contact PCI Research Director, Paul Johal, at (312) 786-0300.

Feeney Leads BERGER/ABAM New Seattle Office

The BERGER/ABAM Engineers Inc. Seattle office has moved to the Griffin Building at 2005 Fifth Avenue in Seattle, Washington. Jeff Feeney, senior manager, will lead this growing office. With more than 32 years of engineering experience, Mr. Feeney brings project management expertise in the areas of commercial, recreational, industrial, and institutional facilities projects. A registered civil and structural engineer in several states, Mr. Feeney will assist architects with planning, design, and construction support for private and public sector facilities.

Goodkind & O'Dea Promotes Hicks

David M. Hicks has been promoted to assistant director of structural engineering for Goodkind & O'Dea of Rutherford, New Jersey. Mr. Hicks' responsibilities will include departmental staffing, scheduling, marketing, and quality assurance reviews. Mr. Hicks earned a bachelor's degree in civil engineering from Lehigh University and is a member of several engineering societies.

Prusinski Heads SCA

Jan R. Prusinski has been named the executive director of the newly formed Slag Cement Association. Formerly the Portland Cement Associ-
procurement of wire rod from both domestic and international sources. While continuing to function in the senior buyer capacity, he will now play a crucial role in managing supply base relationships. Mr. Tolbert has a bachelor’s degree in business and is a certified purchasing manager.

Al Hufschmidt will assume the position of product manager for valve spring wire. He has an extensive background in global purchasing, valued relationships with suppliers, and understanding of the valve market. Mr. Hufschmidt has been with ASW for 15 years and most recently was corporate materials manager, responsible for purchasing raw materials and managing inventory. He is a graduate of Cleveland State University.

Greg F. Bokar joins ASW as vice president of finance and administration and chief financial officer. His responsibilities include strategic planning, budgeting, and management of the accounting and information system departments. Mr. Bokar brings strong financial and administrative tools that he acquired as finance manager and analyst at General Electric. A certified public accountant, he earned a bachelor’s degree from the University of Cincinnati and a master’s degree in business from Xavier University.

Kalosis Named President, COO of Tindall

Steve Kalosis has been hired by Tindall Corporation, Spartanburg, South Carolina, as president and chief operating officer. Mr. Kalosis will be responsible for all operations of the company including engineering, sales/marketing, manufacturing and field erection. He comes to Tindall with a strong leadership background in the international glass and petroleum industries. He earned an engineering degree from the U. S. Naval Academy, Annapolis, Maryland, and a master’s degree in finance and marketing from Michigan State University.

Gate Petroleum Acquires Universal Facilities

Gate Petroleum Company announces the acquisition of three architectural precast concrete manufacturing facilities from Universal Concrete Products Corp. The plants, located in Kissimmee, Florida, Sarasota, Florida, and Savannah, Georgia, complement existing manufacturing facilities in the southeastern United States. Gate will modernize and expand these facilities to meet the regional demand for high-quality architectural precast concrete. The newly renovated plants will operate in conjunction with the existing Gate Precast plant located in Monroeville, Alabama. They will operate under the name of Gate Precast Company with the following management team:


Mike Quinlan, president, with responsibilities for Monroeville, Alabama, Kissimmee, Florida, Sarasota, Florida, and Savannah, Georgia. Mr. Quinlan was vice president and general manager of the Oxford, North Carolina facility and has relocated to Jacksonville, Florida. Currently, he is secretary-treasurer of PCI.

Dean Gwin, vice president of sales and marketing, is now responsible for sales, marketing and estimating for the division. Mr. Gwin has relocated to Jacksonville, Florida to be centrally located to work with his staff.

Mark Ledkins, vice president of operations in Monroeville, Alabama. Mr. Ledkins has worked in all phases of plant operations for 18 years.

Dave Gross, vice president of operations. He will relocate from Oxford, North Carolina to Kissimmee, Florida.

Scott Head, vice president of operations in Savannah, Georgia. Mr. Head has worked in the precast concrete industry for 24 years and most recently was vice president of sales and marketing at Universal Concrete Products Corp.

Jeff Nolan, vice president of operations in Sarasota, Florida. Mr. Nolan has 15 years experience in the precast concrete industry, and was formerly the general manager of the Universal Concrete Products Corp. plant in Sarasota, Florida.

Ann Bishop, vice president and controller of Gate Precast Company. Ms. Bishop has devoted many years with Gate Petroleum Company.

Hagen Lambert, vice president and general manager. Mr. Lambert has been in a dual role recently, serving as
controller of the Gate Precast plant in Monroeville, Alabama, and vice president of contract administration for the Gate Construction Materials Group.

John Wenkel, vice president of operations, is relocating to Oxford, North Carolina. Mr. Wenkel has worked for Gate Precast as operations manager in Atlanta, Georgia.

Sennour Rejoins CEG

Larbi Sennour, Ph.D., P.E., has rejoined the San Antonio, Texas office of The Consulting Engineers Group as vice president. Prior to joining CEG, he was vice president of sales and engineering for Raider Precast Concrete, Inc. Dr. Sennour has two years experience in steel design, six years experience in materials laboratory research and seven years in precast, prestressed concrete design.

He is a PCI Professional Member and a member of the American Concrete Institute. Currently he serves on the PCI Connection Details Committee, chairing Chapter Four of the Connection Details Manual. He is past chairman of the PCI Durability Committee and is also a member of the PCI High Performance Committee. Dr. Sennour has authored publications on creep and shrinkage of concrete, corrosion of reinforcement, and precast concrete durability.

Saleh Joins Schneider Structural Engineering, Inc.

Mohsen A. Saleh has joined Schneider Structural Engineering, Inc., Omaha, Nebraska, as project engineer. Dr. Saleh will design and manage a wide variety of projects, including steel, concrete, timber, and prestressed facilities.

Dr. Saleh has held positions as assistant professor at United Arab Emirates University and associate research professor at University of Nebraska-Lincoln. He earned his Ph.D from the University of Nebraska-Lincoln.

Jablonsky Joins JVI

David Jablonsky, former PCI Director of Certification Programs, has completed his training at JVI in Lincolnwood, Illinois and has relocated to Manchester, Connecticut. He will represent JVI in the Northeast United States from Pennsylvania to Maine. His responsibilities will be to improve and develop new products, provide technical liaison support for JVI’s product line, serve engineers and architects with technical presentations, reference JVI’s products in specifications, and promote the precast/prestressed concrete industry. He will be working with Charles Magnesio, vice president of engineering.

Finfrock Promotions

Finfrock Design-Manufacture-Construct, Inc., Orlando, Florida, has announced two promotions.

M. Stan Jones has been promoted to vice president-construction and will be responsible for the overall direction, coordination, and evaluation of field construction, precast erection, hollow-core erection and patching activities. As a member of the Executive Committee, Mr. Jones will develop and install procedures and controls consistent with the policies and objectives of Finfrock.

Daniel J. Finfrock has been promoted to vice president-manufacturing, and will be responsible for all products and plant service at Finfrock. He will also direct and manage plant support operations such as shipping, purchasing and scheduling. Also a member of the Executive Committee, Mr. Finfrock will develop and report on all quality and efficiency initiatives.

Slaw Precast Supplies

Architectural Precast Panels for Philadelphia Airport

The contributions of J&R Slaw, Inc., Lehighton, Pennsylvania, to the Philadelphia Airport project were inadvertently omitted from the July-August 2001 PCI JOURNAL article titled...
Oldcastle Lands Largest Regional Precast Project,” p. 142.

Slaw Precast produced 655 architectural precast concrete façade pieces for the Philadelphia Airport. The artist’s rendering accompanying the article shows the exterior spandrels that Slaw produced for the project.

Grace Acquires Pieri SA

W. R. Grace & Co., Columbia, Maryland, has announced that its French subsidiary, W. R. Grace SAS, has acquired Pieri SA. Headquartered in Saillenard, France, Pieri is a leading supplier of specialty chemicals to the European construction industry, with revenues of approximately $25 million in 2000. “The Pieri name and its products have strong brand recognition throughout Europe,” says Robert Bettacchi, President, Performance Chemicals. “Grace will continue to market these products using Pieri brand names.” The acquisition expands Grace’s product offerings to the precast and ready mix markets and enhances its presence in continental Europe. Pieri will be integrated into the Grace’s Construction Chemicals business, a unit of Grace Performance Chemicals.

Paul J. Norris, Grace chairman, president and chief executive officer, says, “This investment underscores our commitment to grow geographically to better serve our customers. Pieri’s strong position in France and other parts of Europe provides us with the platform we need to accelerate our growth in these markets.”

Wide Flange of Bulb-tee Girders Aids Night Erection and Deck Forming for Expressway Ramp

Precast bulb-tee bridge girders were installed this spring on a new ramp structure over the I-287 Expressway in Westchester County, New York. The user-friendly 4 ft 11 in. (1500 mm) wide top flange of the girders is credited with providing an immediate stable walkway to aid night erection and minimize later forming for the composite deck.

Two-phase construction was employed to maintain traffic flow on the ramp. This consisted of removing and replacing one side of the existing structure in each phase. The two-span structure required five 4 ft 7 in. (1.40 m) deep New England Bulb-Tee (NEBT) type girders for each span. Two girders were installed in the first and three in the second phase of each span. The girders were 95 ft 2 in. (29 m) long and weighed 42 tons (38,100 kg) each. They were spaced 8 ft 6 in. (2.59 m) on center with an infill strip and composite deck over each girder.

The NEBT section was developed for highway bridges in the 100 to 150 ft (31 to 46 m) span range by a task force of state bridge engineers and precast producers in the Northeast. The NEBT girders range from 47 to 79 in. (1200 to 2000 mm) in depth. The sec-

Stejskal Joins PCI as Director of Certification Programs

Brian Stejskal has joined the PCI staff at their headquarters in Chicago, Illinois as Director of Certification Programs. He will work directly with the PCI Auditing Agency, and PCI Certification Committees, and will review existing programs and policy criteria.

Mr. Stejskal received a bachelor’s degree in civil engineering from Purdue University and a master’s degree in civil engineering from the University of Michigan. For the last 13 years he worked for Construction Technology Laboratories, Inc. (CTL), a division of the Portland Cement Association, in Skokie, Illinois. As a structural evaluation engineer, he performed hundreds of field evaluations and condition assessments of structures by using numerous non-destructive techniques and test methods. In addition to conducting field investigations, he has authored and co-authored reports related to the evaluation of engineered structures. As a field evaluation engineer, he has testified and served as a leading fact-finding witness in local, state and federal court cases.
tion is unique, with radius chamfers between the stem and each flange.

A number of major bridges using NEBT sections are currently under construction in Connecticut and Rhode Island and several others are currently scheduled for letting in New York State.

NYSDOT is the owner and engineer for the I-287 ramp structure. Ecco III Enterprises from Yonkers, New York was the general contractor and erector on the project. Northeast Concrete Products fabricated the girders at their plant in Plainville, Massachusetts.

**Finfrock Wins Parking Structure Contract**

Finfrock Design-Manufacture-Construct, Inc., Hollywood, Florida, has signed a contract with Jefferson at Young Circle, LP to provide design-manufacture-construct services for their five-level, 641-space parking facility. In addition to providing parking for a new apartment complex, public parking will also become available. Construction is expected to begin in mid-November.

**PRESSS Seismic National Seminars**

Mark your calendars for these tentative dates in 2002:

- Jan. 30 – Seattle, WA
- Jan. 31 or Feb. 1 – Atlanta, GA
- March 5 – Chicago, IL
- March 6 or May 7 – Boston, MA

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Schuylkill’s Evergreen Walls

Schuylkill Products, Inc., of Cressona, Pennsylvania, constructed a 256 ft (78 m) long retaining and sound wall for a medical office building owned by Premiere Development LLC, of Union Township, New Jersey. Point Construction was the general contractor. Schuylkill used the strength and attractiveness of precast concrete to enhance the beauty of the hillside embankment with their Evergreen Macro Walls, a system of prefabricated, high quality components used as retaining and sound walls. Originally designed to retain a large embankment, the wall system also improves the aesthetics of the embankment and contributes to sound retention.

Elements in the Evergreen system are available in 11 different widths, ranging from 17 in. (431 mm) to 12 ft (4 m). This project featured 51 modular elements, all 16 ft (5 m) long and 2.5 ft (1 m) high, but in varying widths. The average weight of the pieces used was 6000 lb (2700 kg).
The Delaware Valley Chapter of the American Concrete Institute (ACI) has awarded Universal Concrete Products Corporation, Douglassville, Pennsylvania, the Grand Prize for "Excellence in Concrete Design and Construction" in the Precast Concrete Systems Buildings category for its work on the Butz residence in Allentown, Pennsylvania. Other principals awarded were Roberson Butz Architects; A. H. Sample, Inc. and Barry Isett & Associates, Inc., structural engineers; Alvin H. Butz, Inc., general contractor; and C&C Erectors, precast erector.

The Butz residence contains 9200 sq ft (855 m²) of conditioned space and consists of two supported levels and a basement. The structural frame comprises concrete beams, columns, and wall panels, which also serve as architectural elements. There are approximately 120 pieces with a white/gray mix and a light sandblast. Precast concrete was chosen because it isolated the home theater and music-listening rooms in the basement from the rest of the house. Furthermore, the color and texture of the precast concrete contrasted the smooth white metal structural framework.

Also recognized as a finalist in the Architectural Concrete/Precast Claddings category was the Westbrook Corporate Center of Frazer, Pennsylvania.

The New Jersey Chapter of the ACI and the New Jersey Concrete and Aggregate Association, in their 38th Annual Awards Program, recognized Universal as a Merit Award winner for Phase IA of an office park for Merrill Lynch, Hopewell Township, New Jersey. Also recognized were TVS Architecture, Inc. (New Jersey); Kling Lindquist, engineers; and Hunt Construction Group, Inc., general contractor.

Precast concrete wall panels were used to help better manage the project and provide a durable base. The panels combined brick cladding and buff colored sandblasted precast bands to meet the owner's desire for a hand-laid brick look.

The project represents the single largest job in Universal's 32-year history, as well as in the history of Hunt Construction Group. Building 1 includes 144 pieces, for a total of 41,900 sq ft (3890 m²), of precast concrete, Assembly Building A includes 381 pieces for a total of 25,370 sq ft (2360 m²), and Building 2 includes 559 pieces, for a total of 47,050 sq ft (4370 m²).

Also recognized by the New Jersey Chapter of ACI with an Honorable Mention was Universal's project at 700 Alexander Park Road in Princeton, New Jersey.
Personal Reflections on the Passing of a Giant
Jerry Jacques’ Lasting Legacy

by

Donald R. Logan
Chairman
Stresscon Corporation
Colorado Springs, Colorado

When I learned of the passing of my friend and colleague Jerry Jacques, I reflected back on the pioneering days of our industry. Jerry was truly one of the few uncontested technical giants of our industry.

Stresscon is required on certain projects to list in our Qualifications Package the credentials of our key personnel, along with our key consultants who provide the depth that we need in technically demanding situations. We list only two persons at that level, the most prestigious experts that we have come to rely on over our long history, namely, Bob Mast and Jerry Jacques. Of the many highly qualified experts that I know in our industry, these two gentlemen rise above all others.

I first met Jerry in the late 1960s, who at the time was chief engineer at Stanley Structures. Our companies were tough competitors but Jerry and I immediately found that we shared a clearly defined goal: The prestressed concrete industry must head off an alarming trend in Colorado and nationally where the limits of our products and techniques were ignored to the extent that dangerous practices risked becoming commonplace.

We realized that we could make the quickest inroads by limiting our efforts to Colorado, and formed a technical group among the three principal precasting companies in Colorado at that time (Stanley Structures, Rocky Mountain Prestress and Stresscon Corporation). Some of the immediate goals were to establish limits on span-to-depth ratios for floor and roof double tees; develop connection concepts that would accommodate thermal movements in structures; develop a formal design procedure demonstrating the use of precast concrete shear walls as the primary method to provide lateral stability of structures resisting lateral loads; and to become proactive among the building code agencies in order to protect against further erosion of the advantages granted in the codes to our products’ inherent ability to provide built-in fire resistance.

We recognized that, by becoming the experts in these areas, the Colorado prestressed concrete industry could establish the highest level of technical credibility, not only in Colorado but nationally as well. Shortly thereafter, the Colorado Prestressers Association (CPA) was formed to follow the path that we had established, and Wally Prebis accepted the challenge to become the code expert that was critical to this program.

Meanwhile, Jerry became the primary leader in carrying forward the technical quest through the seventies and eighties and, with his colleague Alex Aswand and others among the CPA members, developed many design concepts, proven by practical testing, that were later to become internationally accepted standards in our industry. For documentation purposes, much of this technical material was subsequently published in the PCI JOURNAL. To the everlasting credit of Stresscon’s toughest competitor, Stanley Structures, Jerry and Alex were given free reign to devote these massive efforts to the good of the local industry, and allow their free and unlimited use by not only their competitors, but the industry as a whole.

Through the many years of our relationship, I came to look upon Jerry as a source of quiet comfort when I faced difficult technical issues, intransigent building officials or structural engineers who I felt were leading our engineers into faulty compromises, and when I simply ran out of ideas in trying to rescue a structure in distress. His response to “Jerry, I have a problem,” was invariably received with interested concern, good humor, and a wealth of experience in solving the most complex problems, which immediately put me at ease.

As many of you know, I have gone off on many technical tangents that defy commonly accepted wisdom, and are controversial, to say the least. To most of my technical colleagues, these have been received with a wide range of response from interested support and collaboration, to justified skepticism, to outright dismissal of another of Logan’s crazy concepts. Jerry, on the other hand, seemed to relish the technical challenge, took the ideas seriously, and straightened me out on some and strongly supported me on others. But he never failed to make me feel comfortable by encouraging my attempts to articulate such concepts and by giving them his serious consideration and evaluation.

Jerry was not only brilliant; he had the marvelous ability to express his ideas as the consummate teacher, whether one-on-one or in seminars or lectures. He never tried to impress people with his mastery of the complex. Instead, he impressed, without trying, by simplifying difficult subjects to make them understandable to even the least experienced student. I am gratified that our younger technical staff members had the opportunity to attend the CPA Handbook seminar last year and witness for themselves this master teacher in action.

We have lost a friend, an esteemed colleague, and we must recognize that no one will ever rise to take his place again. Jerry was truly a giant among us!
Francis J. Jacques
(1933 - 2001)

Francis J. (Jerry) Jacques, a pioneer in the precast/prestressed concrete industry, died in Denver, Colorado, September 4 at the age of 67. At the time, he was founding principal and president of Jacques & Aswad, Inc., Structural Consulting Engineers.

Born in Kemmerer, Wyoming, Jerry spent most of his life in Colorado. He obtained a bachelor of arts degree in English literature (cum laude) from Regis College (1955) and a bachelor of science degree in civil engineering (special honors) from the University of Colorado (1958).

After college, he joined Ketchum and Konkel as a project engineer (1958-1962). Under the tutelage of Milo Ketchum, he gained first hand experience in the design and construction of thin shell structures and some of the early precast/prestressed concrete buildings.

From 1963 to 1987, Mr. Jacques was senior vice president of engineering and research for Stanley Structures, Inc., Denver, where he was responsible for the dissemination of design criteria related to complex code issues and the development of design procedures, design aids and software programs for Stanley’s nine plans. In the seventies and eighties, Stanley was the largest precast producer in North America, with gross revenues of $100 million per year. During this period, he was responsible for the design and construction of many innovative precast/prestressed structures, including high rise buildings, parking structures, bridges and other special structures.

He also contributed to the PCI JOURNAL by authoring several papers including “Speed Graphs for Prestressed Concrete — Working Stress and Ultimate Strength Design.”

Active in PCI technical committee work, he was chairman of the Technical Activites Committee (1973-1974) and a member of the Precast Sandwich Wall Panels Committee and AASHTO/PCI Committee on Concrete Bridges. He was a long-time voting member of the ACI 318 Building Code and the Joint Committee on Precast Concrete. In recognition of his many contributions to PCI and the industry, he was named a PCI Fellow in 1995.

[GDN]
Dino J. Scalia (1948 - 2001)

Dino J. Scalia, projects manager for The Shockey Precast Group, Winchester, Virginia, died on September 23, 2001 at his home after an apparent heart attack. He was 52. He had worked for Shockey for nearly 25 years serving with distinction in engineering, quality control and project management. Mr. Scalia obtained his bachelor’s degree in civil engineering from Cornell University in 1970. He gained his early experience in precast concrete while working as a plant engineer with Rocky Mountain Prestress in Denver, Colorado (1971-1977).

Mr. Scalia had been actively involved in PCI Committee work. He had been a member of the Plant Certification Committee since 1982, serving as chairman from 1995 to 1999.

He played a major role in the development of the Manual for Quality Control for Plants and Production of Structural Precast Concrete Products (MNL 116-99), for which he received a Certificate of Merit. He also contributed to writing the “Guidelines for the Preparation of a Structural Plant” (QSM-1).

As a member of the Quality Performance Criteria Committee, Mr. Scalia contributed significantly to the reports “Fabrication and Shipment Cracks in Prestressed Hollow-Core Slabs and Double Tees” (January-February 1983 PCI JOURNAL) and “Fabrication and Shipment Cracks in Precast or Prestressed Beams and Columns” (May-June 1985 PCI JOURNAL), for which he again received a Certificate of Merit.

Earlier, he co-authored the article “Deck Widening and Replacement of the Woodrow Wilson Memorial Bridge,” which was published in the May-June 1984 PCI JOURNAL. He also served on the Technical Activities Committee (1989-1992), Bridge Producers Committee, Personnel Training and Certification Committee, and Quality Assurance Committee. At the PCI Convention in Reno, October 22, he will be recognized post-humously as a PCI Fellow.

Dino Scalia contributed an enormous amount of time and effort to improving the quality of the precast product, helping his fellow workers, performing committee work and doing volunteer services. He will be greatly missed by his PCI colleagues, his many friends and especially by his family.

[GDN]

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Larry N. Shoemaker (1947-2001)

Larry N. Shoemaker, sales manager for Nitterhouse Concrete Products, Inc., Chambersburg, Pennsylvania, died on Wednesday, August 29, 2001, after a short illness. He was 54. A highly respected individual in the precast concrete industry for more than two decades, Mr. Shoemaker served Nitterhouse for the past ten years. He served on the Board of Directors, as well as on various committees of the Mid-Atlantic Precast Association. He was also a member of the Pre-cast/Prestressed Concrete Institute, the American Institute of Architects, and the National Precast Concrete Association.

Mr. Shoemaker was actively involved in his community and was well known for his volunteer work, including the Shriners’ Children’s Hospitals. He will be long remembered at Nitterhouse for his many contributions to the company, and by his family and friends for his warmth and gentle manner.

[GIN]
Strescon Supports Senior Housing With Hollow-Core Slabs

Strescon Industries, Inc., Morrisville, Pennsylvania, provided the hollow-core floor slabs for the new Lester Senior Housing facility, part of the Aidekman Campus of the Jewish Community Center of East Hanover, New Jersey. Hollow-core slabs, 10 in. (254 mm) thick, precast stairs and other miscellaneous pieces were cast at the Strescon plant for the 181-unit, six-level facility, which opened its doors to senior residents in May 2001.

One of the most important functional features was the hollow-core slab's 2-hour fire rating. The low-maintenance hollow-core flooring provided a highly fireproof, durable structure with excellent sound attenuation.

Although speed of construction was the chief reason behind the selection of precast flooring, other functional benefits accrued to the owner, Hanover Township. According to senior project manager Thomas Easse of Century 21 Construction Corp., Clifton, New Jersey, "Precast concrete was economical, quick and efficient for this type of construction, or for any type of housing such as a hotel or motel." He added that precast concrete is beneficial because it arrives on the job site as a single, complete system.

Architecturally, the Lester Senior Housing facility makes a strong statement, subtly complementing the existing community center building it abuts.

Larry Gawloski, project designer with Nadaskey Kopelson Architects, used architectural elements from the community center for consistency, while giving the new tower a home-like feeling. "We achieved that by using gables and residential-sized windows and fenestration to break up the mass of the structure," he notes.

Complementary brick was chosen for the new structure. Gawloski said they added precast concrete detailing, including sills, parapets and window heads to create a striking, yet unintimidating large building.
Bayshore Concrete Products Corporation, Cape Charles, Virginia, and Figg Engineering Group, Tallahassee, Florida, joined forces to construct the JFK Airport Light Rail System, owned by the Port Authority of New York and New Jersey.

A total of 5049 concrete segments were produced for this project, which features 8.7 miles (14 km) of precast segmental rail bridges, totaling 461 spans. The entire design/build/operate/maintain project, including the construction of several stations connected by 11 miles (18 km) of rail, is being built by the Air Rail Transit Consortium (ARTC) and is on schedule for completion in 2003.

Figg provided the design for the elevated precast segmental bridges for the ARTC as a subconsultant to STV, New York. Koch Skanska built the bridge superstructure from construction drawings produced by Figg with no shop drawings, which led to speedier construction time. Figg designed the erection trusses.

When operational, this light rail system will provide travel between airport terminals, long-term and employee parking, rental car facilities and Jamaica Station (hub for the Long Island Railroad, subway, and 40 bus lines). The elevated bridge within the median of the congested Van Wyck Expressway runs 2.3 miles (7 km).

A flexible and cost-efficient erection system was developed to accommodate tightly congested construction zones and high labor costs. Span-by-span and balanced cantilever techniques were used, along with employing a 335 ft (102 m) rolling self-launching truss method within the Van Wyck Expressway median. The erection methods allowed for building down the 10 ft (3 m) median with no additional right-of-way purchased for the bridge.

The efficiency of the construction methods, designed by Figg for Koch Skanska, allowed as much as 800 ft (244 m) of the superstructure to be completed in one week. An average of two-and-a-half spans of 125 ft (38 m) each were completed weekly per erection truss location.

The 5409 segments were cast in Virginia by Bayshore Concrete Products and then barged over 250 miles (400 km) to Camden, New Jersey. They were off-loaded and trucked 100 miles (160 km) to the construction site. Segments were typically held at JFK less than two days before erection.

PCI extends its deepest condolences to associates who are grieving the loss of employees of the Port Authority of New York. The Port Authority was located in the World Trade Center, New York City.

PRESIDENT/CEO
The Precast/Prestressed Concrete Institute is seeking an experienced, enthusiastic candidate to replace the incumbent President/CEO upon his retirement. Outstanding management and marketing skills are required, along with the ability to travel extensively.

The candidate should also possess strong interpersonal, communication and leadership skills. The individual must have the ability to work closely with the Executive Committee, Board of Directors, and members to execute PCI's Strategic Plan and assure a high quality, efficient and cost-effective headquarters operation, while expanding PCI's programs and position of influence.

Experience in the precast concrete or construction industry is desirable as is previous association involvement. An excellent salary and benefits package is offered along with the opportunity to work several months with the current President to facilitate a smooth transition. A position specification is available upon request.

Send resume in confidence to: President, Precast/Prestressed Concrete Institute, 209 West Jackson Boulevard, Suite 500, Chicago, Illinois 60606.

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Well-established Midwestern precast concrete plant has immediate openings for project managers preferably with experience in the precast concrete industry. Good salaries with a generous bonus and profit sharing plans. Excellent medical insurance package that is fully paid for by the company.

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EXECUTIVE DIRECTOR

The Precast/Prestressed Concrete Producers of the Georgia/Carolinas is searching for a full-time executive director located in the upstate of South Carolina or Charlotte, North Carolina. Successful candidate will develop and coordinate promotional and marketing programs for the precast industry in South Carolina, North Carolina and Georgia. To ensure industry growth, marketing activities will be directed to architects, engineers, educational institutions, builders and owners.

The ideal candidate will have an architectural, engineering or related degree, some construction or related industry experience, outstanding communication and presentation skills, PC proficiency and the ability to represent the precast industry in a professional manner. Precast/prestressed concrete knowledge preferred.

This opportunity provides a competitive compensation and benefits package, including pension.

Please Fax resume to: Tyler Yates
(864) 269-1125

Shockey to Supply Precast Products for Lane Stadium Expansion

The Shockey Precast Group, Winchester, Virginia, will supply the structural and architectural precast concrete components for Virginia Tech's Lane Stadium expansion. Virginia Tech has become a national leader in engineering as well as a nationally recognized power in collegiate football. In recognition of its prominence on the gridiron, Virginia Tech's Lane Stadium is adding 65,000 sq ft (6040 m²) of seating for fans.

Shockey will provide 680 pieces of architectural and structural precast concrete components, which are scheduled for shipping to the site at year's end, with completion of erection targeted for late spring 2002.

Of the 450 structural concrete elements, the products are split equally between riser sections (triple units) and railings, stairs and walls. The architectural precast components include a 24,000 lb (11,000 kg) wall panel with the “VT” logo cast into the concrete.

The design team includes HOK Sport of Kansas City, Missouri, Thornton-Tomasetti of New York, New York, and Moseley Harris & McClintock of Virginia Beach, Virginia.
Gate Delivers Timely Schedule for Ballantyne Resort Hotel

Gate Concrete Products provided the hollow-core floor and roof system for the Ballantyne Resort Hotel, Southern Charlotte, North Carolina.

Gate supplied 250 pieces and 25,700 sq ft (2390 m²) for the floors and roof of the seven-story structure, thus providing structural integrity, fire protection and acoustical control to this luxurious facility designed by LS3P Architects (formerly TBA-2).

The hotel is an addition to the Bissell Development, which comprises four “Class A” low-rise office buildings – Ballantyne I and II and Brixham Green I and II. All are clad with architectural precast concrete produced by Gate Concrete.

Hollow-core slabs were chosen because of the service it inherently features and lends to construction schedules. Its value is evident where life safety, structural integrity, aesthetics, energy, and sound environments and efficiency in construction are important factors.

Gate Concrete was selected because of its “prompt communication, coordination and quick response time,” according to Steve Guinn of KingGuinn Associates, the structural engineering firm.

Thomas Haggard, project manager for FN Thompson Company, general contractor for the project, says, “Due to construction delays early on in the project, Gate Concrete Products, MCI (the masonry contractor), and FN Thompson were challenged to install the masonry walls and the precast floor slabs on an extremely aggressive schedule to gain back lost time. With the end date in mind, the owner (Bissell Development) posted the actual dates the floors were to be completed on the side of the building and the team constantly worked to improve the schedule.”

Haggard continues, “Although many times our requests were an inconvenience, Gate Concrete was always willing to accommodate our requests. The resulting structure was completed ahead of the accelerated schedule, thus putting the project not only back on track, but one month ahead of schedule.”