



international

**A M E R I C A N
C O N C R E T E
I N S T I T U T E**

1998

Annual Awards

"progress through knowledge"

**MARCH 26, 1998
SPRING CONVENTION
IMPERIAL CENTER
HYATT REGENCY HOUSTON
HOUSTON, TEXAS**

AWARDS

Honorary Memberships

*Mary K. Hurd
George Somerville
Paul Zia*

Arthur R. Anderson Award

*National Aggregates Association
National Ready Mixed Concrete Association*

Roger H. Corbetta Concrete Constructor Award

C. Terry Dooley

Joe W. Kelly Award

Teodoro E. Harmsen

Henry L. Kennedy Award

Charles Pankow Builders, Ltd.

Alfred E. Lindau Award

Jack P. Moehle

Henry C. Turner Award

Samuel J. Henry

Charles S. Whitney Medal

Strait Crossing, Inc.

Wason Medal for Materials Research

*Michael Thomas
John D. Matthews*

Wason Medal for Most Meritorious Paper

*Jerry A. Holland
Frederick R. Keith*

ACI Construction Practice Award

*Keith Kesner
Randall W. Poston*

AWARDS

ACI Structural Research Award

Michael P. Collins

Denis Mitchell

Perry Adebar

Frank J. Vecchio

ACI Structural Engineering Award

Jeffery T. Miller

Lawrence D. Reaveley

Chapter Activities Award

James A. Kolakowski

Delmar L. Bloem Awards for Distinguished Service

John A. Bickley

W. Barry Butler

Charles A. Zalesiak

Fellows

Chapter Awards - Citations of Excellence

Membership Citations

Concrete Research Council

Robert E. Philleo Award

R. Narayan Swamy

Reinforced Concrete Research Council

Arthur J. Boase Award

Sharon L. Wood



HONORARY MEMBERSHIP TO

MARY K. HURD

"for her outstanding contributions to the publications of the Institute, particularly as author of Formwork for Concrete, her years of active participation in technical, administrative, and Board activities, and her service as an ACI staff member.

Mary K. Hurd, a former Board of Direction member, is the principal of Engineered Publications, Farmington Hills, Mich., and is a writer, engineer, and consultant specializing in concrete construction.

A member of the Institute for more than 40 years, she received the Henry C. Turner Medal in 1995 for "highly meritorious service in the concrete industry" and for "active participation" in technical, administrative, and Board activities.

A Fellow of ACI, she currently serves on the Publications Committee, TAC's Metrication Committee, the Concrete Research Council, and Committees 124, Concrete Aesthetics, and 347, Formwork. She is a former chairman of both of the technical committees and was a founding member of Committee 124.

She is a past president of the Michigan chapter, recipient of the chapter's Arthur Y. Moy Award in 1994 for "outstanding service," and a former chairman of the Concrete Improvement Board of Detroit. She was the original editor of and continues to edit one of the Institute's most widely recognized documents, *Special Publication 4*, "Formwork for Concrete," first published in 1963, now in its sixth edition, with sales totaling more than 100,000 copies.

An engineering graduate of Iowa State University, she was a member of the Institute's staff as an associate editor of publications and later as a staff engineer for a total of ten years. From 1983 to 1990, Hurd was associated with *Concrete Construction* magazine, published by the Aberdeen Group, Addison, Ill., as editor and later as an engineering editor.

In addition to the Turner honor, her ACI citations also include the Delmar L. Bloem Service Award in 1990 for contributions to the technical activities of the Institute and the Construction Practice Award in both 1982 and 1988 for authorship of outstanding papers related to construction practice. She is a life member of the American Society of Civil Engineers and a member of numerous other professional organizations.

She is the second female to receive ACI's highest honor and was also the second to be elected to ACI's Board of Direction in 1990. In both cases, the first female to hold these positions was the late Katharine Mather, elected to the Board in 1968 and accorded Honorary Membership in 1985.

HONORARY MEMBERSHIP

The Institute recognizes persons of eminence in its field, or those who perform extraordinary meritorious services to the Institute, by conferring on them Honorary Membership (see Bylaws, Article II, Section 2).



HONORARY MEMBERSHIP TO

GEORGE SOMERVILLE

"in recognition of his worldwide leadership in the design of concrete bridges, the development of codes for concrete design, and his research in the areas of durability and design life of concrete structures."

George Somerville is director of engineering of the British Cement Association and a Fellow and member of ACI for more than 30 years. He was associated with the Cement and Concrete Association, Wexham Springs, Slough, England, prior to the 1987 merger of organizations that resulted in the British Cement Association.

Somerville has served on Committees 318, Standard Building Code; 343, Concrete Bridge Design; and 444, Structural Models. In addition to his duties with BCA, he is a visiting professor at Kingston University and the Imperial College, London, and its Concrete Research and Innovation Centre.

After graduation from Glasgow University in 1956, he was engaged in bridge design and construction with local authorities in the north of England and in Scotland. He joined the Cement and Concrete Association in 1961 and served as director of research and technical services until 1987 when C&CA merged with other British organizations to form BCA.

Long involved in British and European standards activities, he is chairman of a committee currently drafting European codes on durability design and also heads a Concrete Industry Alliance task group charged with coordinating industry research and development.

He was elected to the Royal Academy of Engineering in 1984 and to the Institution of Concrete Technology four years later. He was a council member and later vice president of the Institution of Structural Engineers. Somerville is a fellow of both the Institution of Structural Engineers and the Institution of Civil Engineers.

He recently was presented with the Swedish Concrete Award for "innovative research on durability and serviceability design of concrete." The citation from the Swedish Concrete Association also recognized Somerville as "an international and well-reputed expert in the exciting intersection between structural engineering and engineering materials." Somerville received honors in 1997 as an Officer of the Order of the British Empire (OBE), the presentation being made by Queen Elizabeth II.

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HONORARY MEMBERSHIP TO

PAUL ZIA

"in recognition of his many years of active participation in the technical and administrative activities of ACI and his leadership as President of the Institute."

Paul Zia, ACI's president in 1989, recently retired as distinguished university professor of civil engineering after more than 35 years on the faculty of North Carolina State University, Raleigh, N. C., and was accorded emeritus status.

A Fellow of the Institute and a member since his student days, Zia served on the Board of Direction from 1978 to 1981 and again from 1987 through 1992 when he was a vice president for two years, president for one year, and a past president member for three years.

A former chairman of the International Activities Committee and past member of the Technical Activities Committee and the Convention Committee, he has been a member of several ACI technical committees and was a charter member of the Carolinas chapter when that chapter was established in 1974-75. He holds a distinguished member award from that chapter. He is also a member of the ACI International Conference steering committee and also served on the Planning, Membership, and Fellows Nominating Committees. He is a former chairman of both Committees 363, High Strength Concrete, and 438, Torsion.

His honors include ACI's Joe W. Kelly Award in 1985 "in appreciation of a great teacher who has expanded many minds, in many places, with the realisms of reinforced and prestressed concrete design and behavior" and the T.Y. Lin and Raymond C. Reese awards of the American Society of Civil Engineers. He was elected to the National Academy of Engineering in 1983 and is an honorary member of ASCE. In 1993, the Board of Trustees of North Carolina State awarded him the Alexander Quarles Holaday Medal for Excellence, the highest award for a faculty member.

A native of China, he holds engineering degrees from National Chiao Tung University in that nation, the University of Washington, and the University of Florida. He taught at Florida before moving to North Carolina State in 1961 where he achieved a full professorship in 1965 and later appointed head of the Department of Civil Engineering in 1979, a position he held for several years.

The author of more than 90 technical papers, many of them related to prestressing, bending and torsion, and high strength concrete, he has served as a consultant on numerous concrete design and construction projects. He is a member of numerous other professional associations including the Transportation Research Board, the Precast/Prestressed Concrete Institute, and the American Society for Engineering Education.

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ARTHUR R. ANDERSON AWARD
TO

**NATIONAL AGGREGATES ASSOCIATION
AND
NATIONAL READY MIXED CONCRETE
ASSOCIATION**

"in recognition of their contributions for over 50 years to the dissemination and advancement of knowledge of concrete through their Short Course on Concrete and Aggregate Technology and their research program."



The *National Aggregates Association* and the *National Ready Mixed Concrete Association* held the initial Short Course at the University of Maryland, College Park, Md., in 1946. Since then, more than 50 years later, over 6000 industry owners, managers, and employees have taken the course.

The NAA/NRMCA Short Course is a comprehensive curriculum on concrete and aggregate, designed to provide attendees with the fundamental knowledge needed to perform job functions more successfully and efficiently. It provides new employees with a basic foundation on the technology while enhancing the knowledge of the more experienced employee. Participation in the week-long course insures that the individual knows the product and will provide quality customer service and professional job performance. In recent years, enrollment has been limited to 80 individuals.

During the course, classroom lectures cover specifications, testing, properties, uses of concrete and its ingredients, mix proportioning, quality control procedures, and production issues, among other topics. In addition, there are laboratory sessions dealing with proper testing of fresh concrete and aggregates.

The course culminates with examinations offering three levels of industry-wide recognized certification: ACI's Concrete Field Testing Technician; NRMCA's Level 2 for Production Control Technician; and NRMCA's Level 3 for Concrete Technologist. ACI's Flatwork Finishers exam is also given if requested.



The fee for the Short Course covers five days of class work, laboratory sessions, and a comprehensive set of reference materials. To be prepared for the significant amount of information at the course, registrants are provided with a recommended pre-course study outline with accompanying materials. The Short Course is held annually in the fall at the University of Maryland and, in recent years, the two associations have also held a similar event early in the year at a western or midwestern location.

In addition to collaborating on educational and training events, the two associations operate the A. H. Smith Joint Research Laboratory. At the lab, research on concrete-related matters for both NAA-NRMCA members and other parties, such as the Federal Highway Administration, is conducted. Much of the research is devoted to the support of data for industry organizations but it also is a resource for association members. The original lab was installed in 1928 in the basement of a Washington, D.C., building but relocated in 1938 to the University of Maryland campus. The Smith lab, just off the campus in College Park, was dedicated in 1978.

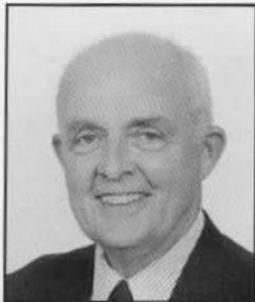
NAA, formerly the National Sand and Gravel Association, was established in 1917 when World War I was creating problems with rail transportation, the principal means of moving sand and gravel and other aggregates to market.

Founded in 1930, NRMCA represents the producers of ready mixed concrete and other firms which provide materials and support for the industry. Through education, training, safety programs, research, engineering, technological and environmental support, NRMCA promotes the use of concrete and seeks to enhance the quality and versatility of that material. Headquarters offices for both associations were jointly constructed in Silver Spring, Md. in 1962. In Houston, Robert Garbini, executive vice president of NRMCA, is scheduled to accept the award on behalf of both associations.

ARTHUR R. ANDERSON AWARD

The Arthur R. Anderson Award was established in 1972 by the Institute in recognition of Arthur R. Anderson, past president of the Institute, for his imaginative and outstanding leadership and insistence on excellence of concrete quality for engineering works.

The award is given for outstanding contributions to the advancement of knowledge of concrete as a construction material and need not be presented each year. All persons, firms, corporations, or organizations are eligible to receive the award.



ROGER H. CORBETTA CONSTRUCTOR AWARD TO

C. TERRY DOOLEY

"For his contributions to the advancement of construction techniques in seismic repair and retrofit of concrete buildings."

C. Terry Dooley is a former member of ACI's Board of Direction and senior vice president, Morley Builders, Santa Monica, Calif. He has been with Morley since 1981 and has had general management responsibilities as well as project management duties on specific jobs.

Prior to joining Morley, he was with Bethlehem Steel Corp. for 26 years, all in construction-related activity, including service as contracting manager for that firm's Los Angeles area sales district.

With ACI, he is chairman of the Concrete Research and Education Foundation (ConREF) and a member of the Committee on Responsibility in Concrete Construction and Committees 369, Seismic Repair, and 439, Steel Reinforcement. Dooley has long been involved with ACI's Southern California chapter and is a past director and president; he now chairs the chapter's finance committee for the fall 1998 convention in Los Angeles.

With Bethlehem, his work included reinforcing steel fabrication and placement of the earliest reinforced concrete frames to exceed the long-established 13 story height limit in Southern California. These were the first ductile moment resisting space frames in the region.

With Morley, he has been involved in numerous seismic upgrading projects, including the modernization of the Rockwell Corporation's headquarters building in Seal Beach, Calif. The Rockwell work included the first base isolation retrofit of a fully-occupied major building in the United States; the reinforced concrete structure had been of a non-ductile moment frame.

Dooley holds a Bachelor of Arts degree from St. John's University, Collegeville, Minn., as well as engineering degrees from the University of Illinois and the University of California, Los Angeles. At the Houston convention, Dooley was also one of 17 institute members receiving recognition as Fellows of ACI; this designation was voted upon by the Board of Direction at the Atlanta, Ga., convention in November and the 17 were invited to Houston to receive their honors.

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

The Roger H. Corbetta Concrete Constructor Award was established in 1972 in recognition of Roger H. Corbetta, past president of the Institute, for his creative leadership and his many outstanding contributions to the use of concrete for construction.

The award is given to an individual or an organization who, or which, as a constructor, has made significant contributions to progress in methods of concrete construction. The award need not be presented each year.



**JOE W. KELLY AWARD
TO**

TEODORO E. HARMSEN

"in recognition of more than 50 years as a teacher of concrete design and construction with special emphasis on student involvement in the concrete profession through participation in ACI student chapters."

Teodoro E. Harmsen, of Lima, Peru, is an Honorary Member of ACI and has been a member for more than 30 years.

He is currently the president for life of Graña y Montero, S.A., the holding company for several design and construction firms, based in Peru and operating internationally; the executive president of GMI Consulting Engineers, the consulting subsidiary of Graña y Montero; and a director of several other subsidiaries of the holding company.

A Fellow of ACI, he was accorded Honorary Membership in 1995 for his "lifelong leadership and contributions to the advancement of concrete technology through teaching and professional practice and for strengthening United States-South American cooperation in the field of concrete."

Harmsen received a Bachelor's in engineering from the Catholic University of Peru in 1941 and remained at that university as assistant professor of analytical geometry and calculus. After two years, he introduced a course on reinforced concrete construction and has taught this subject at Catholic University for more than 50 years. He received a Master of Sciences degree at the National University of Peru in 1965.

A member of both the Chapter Activities Committee and the International Activities Committee, he was an organizing member and the first president of the Institute's Peru chapter. Harmsen was also instrumental in the organization of the four ACI student chapters in that South America nation.

The author of a new textbook, "Design of Reinforced Concrete Structures," based on the 1995 edition of the ACI Building Code, he was nominated as director of a course, Master in the Administration of Construction and Real Estate Companies, jointly administered by the Catholic University of Lima and Polytechnical University of Madrid, Spain, leading to a Master's degree in administration.

JOE W. KELLY AWARD

The Joe W. Kelly Award was established in 1974 in recognition of the contributions of Joe W. Kelly, past president of the Institute, to concrete technology, his devotion to teaching, the advancement of his profession, and the use of concrete in construction.

The token of the award (a plaque) is given only for outstanding contributions to education in the broad field of concrete and need not be given each year.

HENRY L. KENNEDY AWARD TO

CHARLES PANKOW BUILDERS, LTD.

"for many valuable contributions to the management of the design and construction process that resulted in the successful completion of the new ACI headquarters building."



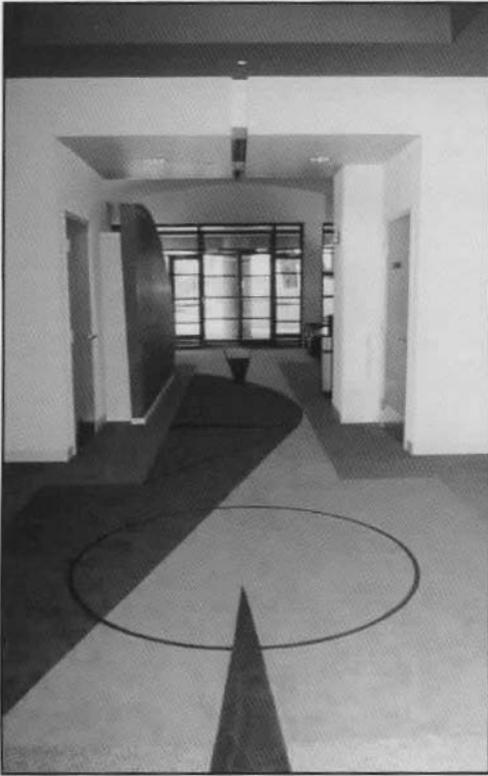
The firm of *Charles Pankow Builders, Ltd.*, Altadena, Calif., one of the nation's largest building contractors, and its employees were extensively involved in the design and construction of ACI's new headquarters building in Farmington Hills, Mich., as noted in the citation.

These employees were acting under the direction of the firm's board chairman Charles J. Pankow, an Honorary Member and past president of ACI, and Dean Stephan, then president of the construction company and also a past president of the Institute.

This aid from the Pankow firm was largely in the form of construction management services in project planning, contracting, inspection, and monitoring of the design and construction activities by the ARGOS Group, Southfield, Mich. ARGOS in late 1994 was given the design/build contract for the office structure of about 47,000 sq ft, located on a site of approximately five acres in an office park area of Farmington Hills, northwest of Detroit, Mich.

Pankow's efforts on-site were directed by project supervisor Bruce McBride who made numerous trips from the company's California offices to Farmington Hills over a period of nearly a year and a half. Other Pankow employees directly associated with the building project were Thomas D. Verti and Mike Liddiard.

Verti, a vice president and area manager for the Pankow firm, was extensively involved in the preparation of the Request for Proposals (RFP), in the design, the contractor selection process, and the review of plans, especially in the early stages. Also at the Houston convention, Verti is scheduled to begin a three-year term as an ACI Board of Direction member. Liddiard, who has since retired from the firm, spent several weeks at the Farmington Hills site overseeing construction.



The building, which replaced ACI's former headquarters structures on West Seven Mile Road in northwest Detroit, was occupied by the staff of about 65 full-time employees in early April 1996. The northwest Detroit properties, including two office wings constructed in the 1955-1970 period, have been sold by ACI.

Dedication ceremonies attended by more than 200 at the new building were held over a three-day period in September 1996. The structure of three stories, one partially below ground level to house the main lobby and ACI's mailing and publications storage facilities, and two above surface for the general offices, is of both precast and cast-in-place concrete; the structure required more than 400 precast concrete elements and over 500 hollow core pieces for the flooring.

In addition to volunteering the services of the firm and its employees, Charles J. Pankow was general chairman of the Capital Campaign fundraising effort which took in more than \$2.2 million in pledges to help defray building costs. Pankow was also a major contributor to the Capital Campaign which attracted pledges from more than 600 firms, organizations, and individuals.

HENRY L. KENNEDY AWARD

The Henry L. Kennedy Award was established in 1958 by the Institute to honor the late Henry L. Kennedy, an extremely active Institute member who was a past president and, at the time of his death, chairman of the Institute's Building Committee.

The award is given only for outstanding technical or administrative service to the Institute and is not mandatory each year. The basis for selection of awardees is outstanding activity or service that has enhanced the Institute's prestige, marked leadership in technical, administrative, or special committee work or other distinguished service to the Institute.

Except under unusual circumstances, honorary members, past presidents, and current officers and directors will not be considered for this award. The award is in the form of a framed scroll.



**ALFRED E. LINDAU AWARD
TO**

JACK P. MOEHLE

"for many noteworthy contributions to the understanding of the behavior of reinforced concrete structures in response to seismic loadings, and for the development of related code provisions."

Jack P. Moehle is the Roy W. Carlson Distinguished Professor of Civil Engineering at the University of California, Berkeley, Calif., and also director of the Pacific Earthquake Engineering Research Center (PEER) at the university.

A member of the Technical Activities Committee, he also serves on Committees 318, Standard Building Code; 352, Joints and Connections; 368, Earthquake Resisting Systems; 369, Seismic Repair; and 442, Response to Lateral Forces. He is a former chairman of Committee 368 and a past member of Committee 408, Bond and Development.

Elected a Fellow of the Institute in 1991, he has specialized in research on seismic resistance for reinforced concrete structures and has been extensively involved in developing design techniques for slab-column connections and reinforcement anchorages. As such, he was involved in Committee 352's report on the design of slab-column connections and the formation of Committee 369 in 1989.

Moehle also serves as the chief staff officer of the PEER Center, formerly known as the Earthquake Engineering Research Center, also on the Berkeley campus. PEER is now the premier earthquake research center in the western United States and was established with primary funds from the National Science Foundation, the States of California and Washington, the universities of California and Washington, as well as business and industry partners.

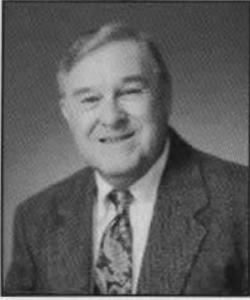
He received engineering degrees, including a Ph.D. from the University of Illinois, prior to moving to the Berkeley campus in 1980. Moehle has been a member of the Institute since his student days at Illinois.

ALFRED E. LINDAU AWARD

The Alfred E. Lindau Award was founded in 1947 by the Concrete Reinforcing Steel Institute to honor the memory of Alfred E. Lindau, past president of the American Concrete Institute.

The award shall be given only for outstanding contributions to reinforced concrete design practice and is not mandatory each year. Any and all persons, firms, or corporations are eligible to compete for and receive the award.

The token of the award is a bronze plaque bearing a bas-relief portrait of Mr. Lindau.



HENRY C. TURNER MEDAL TO

SAMUEL J. HENRY

"for notable service of the concrete industry while secretary to the American Concrete Institute's Technical Activities Committee."

Samuel J. Henry is the retired director of engineering for the American Concrete Institute, a position he held for nearly 30 years. A native of eastern Pennsylvania, he returned there following his 1992 retirement from ACI.

A Fellow of the Institute, he received the Henry L. Kennedy Award in 1980* in recognition of many years of devoted and effective service to the Institute and its members as director of engineering, during which he skillfully coordinated the activities of its numerous technical committees."

Soon after joining ACI in 1962, Henry undertook the task of collecting ACI's standards into a single compilation, resulting in the annual *Manual of Concrete Practice*. From a slim three-volume set originally published in 1967, the MCP has grown into a five-volume reference package of more than 3800 pages and is now the Institute's second best selling document.

While with ACI, Henry was secretary of the Technical Activities Committee and represented the Institute on numerous organizations and their committees, including ASTM Committees A-2, Steel; C-1, Cement; C-9, Concrete and Aggregates; and C-15, Manufactured Masonry Units. He was recognized with ASTM's Award of Merit for his service on that society's Committee on Standards.

Before moving to ACI, he was chief structural engineer at the Okinawa office of Boume Associates International, Inc., and had been associated with other consulting firms. He was associated with the California Division of Highways and the U.S. Bureau of Reclamation before moving to Okinawa.

He holds engineering degrees from Lafayette College, Easton, Pa., and New York University, New York.

HENRY C. TURNER MEDAL

The Henry C. Turner Medal was founded in 1927 by Henry C. Turner, past president, American Concrete Institute. It is awarded for notable achievements in or service to, the concrete industry.

In making selections for the Turner Medal the committee is not restricted to members of the Institute nor to the achievements of any particular period. It may be awarded once in any year, but not necessarily in each year.

CHARLES WHITNEY MEDAL FOR ENGINEERING DEVELOPMENT TO

STRAIT CROSSING, INC.



"For the innovative design, construction, and financing of the 6-mile long Confederation Bridge linking New Brunswick and Prince Edward Island, Canada."

The *Strait Crossing, Inc.*, headquartered in Calgary, Alberta, Canada, is the joint venture consortium of private firms created to fund, design, construct, operate, and maintain the 12.91 km Confederation Bridge opened to traffic in the summer of 1997.

Under terms of the contract, Strait Crossing will collect fixed payments from the Canadian government as well as toll revenues until 2032, at which time ownership will be transferred to the government.

The largest bridge project ever undertaken in Canada, the Confederation Bridge, spanning the Northumberland Strait between New Brunswick and Prince Edward Island in the Gulf of St. Lawrence, is the world's longest continuous crossing over water subject to ice floes.

Constructed at a cost of about \$525 million (\$ U.S.), the project was without precedent in the monumental size of its concrete segments, the number of long spans involved, and the techniques employed to erect and interconnect these elements in only 14 months. An accelerated design/build contract was started in late 1993 when J. Muller International, New York, joined the Canadian firm of SLG/Stanley to form the joint venture of JMS, San Diego, Calif., for the design.

From the settlement of Prince Edward Island, its residents had relied on boats for transportation to and from the mainland and often this water traffic was restricted during the winter months when ice floes entered the strait from the gulf and the Atlantic Ocean. To protect the new span from such floes, ice shields of monolithic conical skirts that encircle each pier shaft were erected; these extend about 9 m above water level and 4 m below.

The two-lane span takes about 10-12 minutes to cross at normal traveling speeds; the normal speed is a maximum of 80 km/hr but this is continually monitored and adjusted according to current weather and traveling conditions. Pedestrians and cyclists are not permitted but must use a shuttle bus that operates on a demand-driven schedule.



High performance concrete of 8000 psi, low permeability, was used in the bridge to achieve 250 m span lengths with prestressed cantilevered girders. There is a 600 m long approach from Prince Edward Island, a 1320 m approach from New Brunswick, and the main structure consisting of 43 spans with a typical 250 m distance between piers and a typical elevation of 40 m above water.

In addition to its involvement in the Confederation Bridge, SCI has participated in the design and construction of transit systems, tunnels, bridges, and recreation facilities in Canada and the United States. Among its other major projects have been the underground transit for Seattle, Wash., contracts for a highway viaduct and transit system in Hawaii, the speedskating oval for the 1988 Winter Olympic Games in Calgary, and a 76 m dam at Lethbridge, Alberta.

At the Awards Breakfast in Houston, the presentation to SCI is scheduled to be accepted by Gamil Tadros, the firm's technical director. Tadros, who has assisted in the design of more than 40 bridges in Canada and elsewhere, was responsible for the conceptual design of the Confederation Bridge and was chairman of the Technical Review Committee which had overall authority for approval of final plans and specifications.

CHARLES S. WHITNEY MEDAL

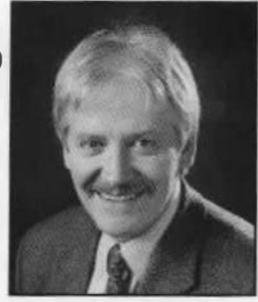
The Charles S. Whitney Medal for Engineering Development was founded in 1961 by Ammann and Whitney to honor the memory of Charles S. Whitney. It may be bestowed once in any year, for noteworthy engineering development work in concrete design or construction. The recognition may be extended to a firm or agency alone or to an individual.

Any outstanding engineering development work contributing importantly, through development of general engineering practice or through application in specific noteworthy projects, to the advancement of the sciences or arts of concrete design or construction is eligible.



WASON MEDAL FOR MATERIALS RESEARCH TO

**MICHAEL THOMAS
AND
JOHN D. MATTHEWS**



"For their paper ('Chloride Penetration and Reinforcement Corrosion in Fly Ash Concrete Exposed to a Marine Environment,' Special Publication 163, Third CANMET/ACI International Conference on Performance of Concrete in Marine Environment, St. Andrews-by-the-Sea, 1996) showing that fly ash in concrete reduces both the level and rate of chloride penetration and thus delays corrosion of reinforcing steel."

Michael Thomas is an assistant professor, Department of Civil Engineering, University of Toronto, Ontario, Canada, and has been on the faculty there for four years.

He is a member of ACI's Chapter Activities Committee and of technical Committees 201, Durability; 222, Corrosion of Metals; 232, Fly Ash and Natural Pozzolans; 234, Silica Fume; and 365, Service Life Prediction. Prior to joining the faculty at Toronto, he was associated with the Civil Research Division, Ontario Hydro, and was a research fellow at the Building Research Establishment (BRE), United Kingdom. The author of numerous technical papers on the performance and durability of fly ash concrete, Thomas is a member of several Canadian Standards Association committees related to supplementary cementing materials and alkali-aggregate reaction.

John D. Matthews is the head of the Cement Performance Section, at BRE, United Kingdom. He is a member of numerous British and European committees involved in the drafting of standards for cement and concrete.

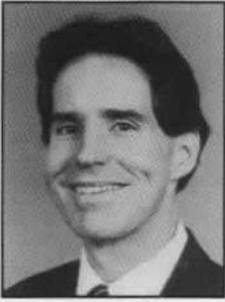
The paper authored by the two was based on a series of BRE studies relating to the durability of fly ash. This study, in collaboration with the former Central Electricity Generating Board of England and Imperial College, London, was concentrated on 1000 concrete specimens that were cast and placed in the tidal zone of a marine exposure site on the Thames estuary near Shoeburyness in Essex.

WASON MEDAL FOR MATERIALS RESEARCH

The Wason Medal for Materials Research was founded in 1971 by Leonard C. Wason, past president, American Concrete Institute. It may be bestowed once in any year, but not necessarily in each year, on the member or members of the Institute reporting in a paper before the Institute, within the year noteworthy original research work or discovery relating to materials.

Any report of original research work on concrete materials and their uses, or a discovery which advances the state of knowledge of materials used in the concrete industry, is eligible for the Wason Medal for Materials Research. When awarded, it is bestowed for the research discovery judged worthy of special commendation. It is restricted to members of the Institute, but if a paper of multiple authorship has one author an ACI member, all coauthors become eligible for the award.

Prior to the awards for 1971, this medal was awarded to research papers dealing with any phase of Institute interests. The medal is bronze.



WASON MEDAL FOR
MOST MERITORIOUS PAPER
TO

JERRY A. HOLLAND
AND
FREDERICK R. KEITH



"For their paper ('And the Owner Said, "Let There be Light...and no floor joints or cracks," ' Concrete International, V. 18, No. 1, January 1996) describing how knowledge, technology, and ingenuity were used to construct a concrete slab to meet the exacting needs of the owner."

Jerry A. Holland is structural engineering consultant with Lockwood Greene Engineers and Architects, Atlanta, Ga., and has been with that firm for 29 years.

He currently is a member of Committees 223, Shrinkage-Compensating Concrete; 301, Specifications; 302, Construction of Concrete Floors; 350, Environmental Engineering Structures; 360, Slabs on Grade; an associate member of 442, Response to Lateral Forces; a past member of the Construction Liaison Committee, and the past chairman of Committee 360.

An engineering graduate of Southern Polytechnic State University, Holland has been a frequent lecturer at ACI seminars on concrete slabs on grade. He is also a member of ACI's Georgia chapter and is a past president of that chapter. A frequent contributor to *Concrete International* and other ACI publications, Holland is one of 17 ACI members accorded the rank of Fellow of the Institute at the Houston convention.

Frederick R. Keith is president and chief executive officer of the Atlanta Bonded Warehouse and Colonial Carriage Corp. The firm is the owner of the new Kennesaw, Ga., distribution center, the design and construction of which was described in the *Concrete International* article.

With more than 30 years in warehousing operations and logistics, he is a member of the American Warehouse Association, Council of Logistics Management, Warehousing Education and Research Council, National Society of Professional Engineers, and the Institute of Electrical and Electronic Engineers. In recent years, Keith and the warehousing firm have captured three first place honors in annual outstanding concrete competitions held by ACI's Atlanta chapter.

WASON MEDAL FOR MOST MERITORIOUS PAPER

The Wason Medal for The Most Meritorious Paper was founded in 1917 by Leonard C. Wason, past president, American Concrete Institute and has been awarded continuously since that date. It is awarded each year to the author or authors of the most meritorious paper published by the Institute.

All original papers presented to the Institute by members (or if coauthored at least one author must be an ACI member) and published by the Institute during the volume year for which the medal is awarded are eligible, provided such papers have not previously been published. The medal is bronze.



ACI CONSTRUCTION PRACTICE AWARD TO

KEITH KESNER AND RANDALL W. POSTON



"Myths, misconceptions and truths are everywhere – this paper ('Unbonded Post-Tensioned Concrete Corrosion: Myths, Misconceptions and Truths,' Concrete International, V. 18, No. 7, July 1996, pp. 27-32) clarifies those on unbonded post-tensioned concrete."

Keith Kesner is a project engineer at Whitlock Dalrymple Poston & Associates, Inc., consulting engineers of Manassas, Va., and has been with that firm for nearly five years.

He is an associate member of Committees 228, Nondestructive Testing; 364, Rehabilitation; and 546, Repair of Concrete.

An engineering graduate of the University of Connecticut, he has specialized in the evaluation and repair of concrete structures at WDP.

Randall W. Poston is a principal of Whitlock Dalrymple Poston & Associates and has been with that consulting company for five years.

A Fellow of ACI, he is a member of Committees 222, Corrosion; 224, Cracking; 228, Nondestructive Testing; and 318, Standard Building Code, and also serves on the 318 subcommittee on safety, serviceability, and analysis. He is the immediate past chairman of Committee 224 and a former secretary of that same committee.

An ACI member for nearly 20 years, he was with Schupack Suarez Engineers, Inc., Norwalk, Conn., prior to moving to Virginia. His honors include the T.Y. Lin Award and the Collingwood Prize, both given by the American Society of Civil Engineers in 1990 and 1989 respectively.

A member of ACI's National Capital chapter, Poston holds three engineering degrees from the University of Texas, Austin, Tex.

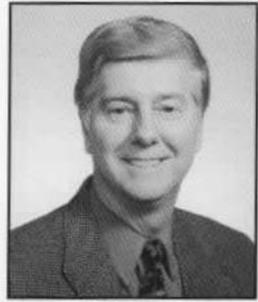
ACI CONSTRUCTION PRACTICE AWARD

The ACI Construction Practice Award was founded in 1944 by the Institute, in the hope that it would help to enrich the literature of that field of work and to honor the construction man — the man whose resourcefulness comes in between the paper conception and the solid fact of a completed structure. It may be given annually, but not necessarily in each year, for a paper of outstanding merit on concrete construction practice published by the American Concrete Institute. It is not restricted to members of the Institute. The token of the award is a plaque of bronze.



ACI STRUCTURAL
RESEARCH
AWARD TO

**MICHAEL P. COLLINS
DENIS MITCHELL
PERRY ADEBAR
FRANK J. VECCHIO**



"for their paper ('A General Shear Design Method,' ACI Structural Journal, V. 93, No. 1, January/February 1996, pp. 36-45) describing a unified method for shear design, based on the modified compression field theory, of reinforced concrete members."

Michael P. Collins is the Bahen-Tanenbaum Professor of Civil Engineering at the University of Toronto, Toronto, Canada, and a former member of the ACI Board of Direction.

At the November 1997 convention in Atlanta, Ga., he was the final Phil M. Ferguson Lecturer, delivered at the General Session during that fall meeting. He has been on the faculty at Toronto since 1969 and was named to the Bahen-Tanenbaum professorship in 1995.

His ACI honors include the Joe W. Kelly Award in 1994 for "outstanding contributions" as an educator, researcher, and engineer; the Wason Medal for Most Meritorious Paper in 1991 for a paper on shear capacity of reinforced members; and the ACI Structural Research Award in 1976 for a paper on structural concrete in pure torsion. The latter was coauthored with Professor Mitchell.

He is a member and former chairman of Committee 445, Shear and Torsion; a member of TAC's High-Performance Concrete Committee; and former member of Committee 318 and its subcommittee on shear and torsion; a member of Committee 358, Concrete Guideways; a member of the Scholarship Council of the Concrete Research and Education Foundation; and a former member of the Educational Activities Committee.

A Fellow of ACI, he was recently appointed to the new Commemorative Lecture Series Committee, formed to replace the Ferguson Lecture Committee to arrange for guest speakers at fall conventions. This new committee will choose lecturers at conventions beginning in October 1998 in Los Angeles, Calif.

Education in Australia and New Zealand, he was on the faculty at the University of Colorado before moving to Toronto. He is a member and former director of ACI's Ontario chapter.

Denis Mitchell is a professor in the Department of Civil Engineering and Applied Mechanics, McGill University, Montreal, Canada, and has been on the faculty there since 1976.

He is a former president of ACI's Eastern Ontario-Quebec chapter and currently serves on Committees 408, Bond and Development of Reinforcement; 318, Standard Building Code; 445, Shear and Torsion; and E 901, Teaching Methods and Educational Materials.

In addition to sharing the Structural Research Award with Collins in 1976, Mitchell also received this same honor jointly with Neil M. Hawkins in 1981 for a paper on progressive collapse of flat plate structures.

He holds engineering degrees from the University of Toronto and was on the faculty at the University of Washington before moving to McGill. Mitchell was named a Fellow of the Institute in 1981.

Perry Adebbar is associate professor, Department of Civil Engineering, University of British Columbia, Vancouver, Canada, and has been on the faculty there for eight years.

He is a member of Committees 441, Reinforced Concrete Columns, and 445, Shear and Torsion, and a former member of 341, Earthquake Resistant Concrete Bridges.

Frank J. Vecchio is professor of civil engineering, University of Toronto, Canada, and has been on the faculty there for 13 years.

He is a member of Committees 441, Reinforced Concrete Columns, and 447, Finite Element Analysis, and a former member of Committees 435, Deflection of Buildings, and 445, Shear and Torsion.

He was a design engineer with a Toronto consulting firm, then a research engineer with Ontario Hydro before joining the faculty in 1985.

ACI STRUCTURAL RESEARCH AWARD

The ACI Structural Research Award Medal is awarded not necessarily annually but at least biennially to the author or authors of a paper published by the Institute in the period subsequent to the last award that describes a notable achievement in research related to structural engineering and which indicates how the research can be used.



**ACI STRUCTURAL ENGINEERING
AWARD TO**

**JEFFERY T. MILLER
AND
LAWRENCE D. REAVELEY**



"for their paper ('Historic Hotel Utah Remodel and Seismic Upgrade,' Special Publication 160, Seismic Rehabilitation of Concrete Structures, 1996) which describes the structural feasibility studies leading to an economical method of seismic upgrade of an existing historic building."

Jeffery T. Miller is an associate and project manager at Reaveley Engineers and Associates, Salt Lake City, Utah, and has been with the firm for 17 years.

He is a registered structural engineer in the State of Utah and received a Bachelor of Science degree from Brigham Young University in 1981.

Lawrence D. Reaveley is professor and chairman of the Civil Engineering Department, University of Utah, Salt Lake City.

A former member of Committee 369, Seismic Rehabilitation, he holds a Ph.D. in engineering from the University of New Mexico.

The project described in *SP-160* was the upgrading of the historic Hotel Utah in downtown Salt Lake City. The 10-story structure with two additions erected in 1913 and 1975 was strengthened with the construction of new concrete shearwalls; this remodeling was performed for the most part at the interior of the building, requiring special design and construction procedures.

This project recently captured an Award of Excellence from ACI's Intermountain chapter.

ACI STRUCTURAL ENGINEERING AWARD

The ACI Structural Engineering Award is given for an outstanding concrete building project incorporating advanced structural design concepts, advanced structural design techniques, or both, described in a paper published by the Institute. The project must be completed, but not more than three years prior to the award. The award need not be presented each year. Recipients are given a certificate citing the awardee and the project.



CHAPTER ACTIVITIES AWARD TO

JAMES A. KOLAKOWSKI

"for his tireless efforts in Certification."

James A. Kolakowski is a former president of the Illinois chapter and has been involved with the chapter's certification program since its inception.

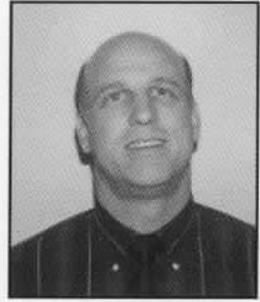
Currently a member of the chapter's board of directors, he is chairman of its Certification Committee.

Kolakowski is a technical service manager for W.R. Grace & Co. in the Chicago area and has been with that firm for 13 years.

CHAPTER ACTIVITIES AWARD

The Chapter Activities Award was founded in 1975 to recognize outstanding service in the promotion and development of a chapter or chapters by a member of the American Concrete Institute. Nominations are made by the Chapter Activities Committee, and recommendations are approved by the Board.

The token of this award is a plaque. The award need not be presented each year.



DELMAR L. BLOEM AWARDS FOR DISTINGUISHED SERVICE TO

**JOHN A. BICKLEY
W. BARRY BUTLER
CHARLES A. ZALESIAK**

"for outstanding leadership..." and "untiring service..."

John A. Bickley, of Toronto, Ontario, Canada, is the implementation manager of Concrete Canada Ltd., and has been associated with that organization for eight years.

A Fellow of the Institute, he is a member of the Construction Review Committee, the Concrete Research Council, the Fellows Nominating Committee, and Committees 214, Evaluation of Test Results, and 363, High Strength Concrete, and is a former member of Committees 228, Nondestructive Testing, and 231, Properties of Concrete at an Early Age.

He is the current chairman of Committee 363 and recently led the committee in drafting of a new report, "Guide to Quality Control and Testing of High Strength Concrete." Bickley formerly chaired Committee 228 and played key roles in that committee's first report as well as a 1995 revision. Bickley was also editor of *Special Publication 167*, "High Strength Concrete: An International Perspective," a proceedings document resulting from technical sessions at the Montreal, Canada, convention in November 1995. Those sessions were sponsored by Committee 363, Concrete Canada, and the Network of Centres of Excellence on High Performance Concrete.

His awards include ACI's Construction Practice Award in 1981 for a *Concrete International* paper on the mass production of precast concrete tunnel segments. A native of England, he is a past president of ACI's Ontario chapter. Prior to joining Concrete Canada, Bickley was a vice president of the Trow Group, Ltd., Rexdale, Ontario, and was associated with Wamock-Hersey, a Toronto inspection and testing company.

"for devotion and service as chairman..." and "as a member..."

W. Barry Butler is the principal of CemConsult International, a consulting firm based in Marmong Point, New South Wales, Australia, and has been a member of ACI for more than 25 years.

A Fellow of ACI, he is a former member of the International Activities Committee and technical Committees 201, Durability; 212, Admixtures; 232, Fly Ash and Natural Pozzolans; and 548, Polymers in Concrete. Butler was chairman of Committee 201 from 1992-1996 when the committee sponsored or cosponsored ten technical sessions at conventions, was a member of Committee 548's editorial subcommittee and a major contributor to 548.3R, "State of the Art Report on Polymer Modified Concrete," and a member of a Committee 226 subcommittee that developed 226.3R, "Use of Fly Ash in Concrete."

At ACI's International Conference in Hong Kong in 1991, he was cited for his contributions in Australia with respect to fly ash and natural pozzolans. Butler, who has been involved in concrete and cement replacement materials for more than 30 years in Australia, United States, and England, was technical development and research manager for AMATEX Limited, Sydney, prior to the formation of CemConsult.

Before that, he was associated with Monier Resources from its start in 1974 until 1987. He is a former chairman of the National Ash Association of Australia and a member of numerous professional organizations including ASTM, the Concrete Society of England, and the Standards Association of Australia.

Butler is a graduate of the University of New South Wales with a Bachelor's in chemistry.

"for his outstanding leadership..."

Charles A. Zalesiak is recognized for his leadership of Committee 349, Concrete Nuclear Structures, and the drafting and publication of "Code for Concrete Nuclear Safety Related Structures and Commentary, ACI 349/349R.97."

He was chairman of Committee 349 from 1993 and 1997, during which time the committee produced the complex code for nuclear structures, based on the 318 code for buildings. The Technical Activities Committee notes that Zalesiak worked without a committee secretary but his meticulous record keeping and administrative skills allowed the committee to revise the code through numerous letter ballots. At the same time, he served as a source of technical expertise to guide the committee during the revisions, according to TAC. Zalesiak, who remains as a committee member, also coauthored a new committee report, ACI 349.3R-96, "Evaluation of Existing Nuclear Safety-Related Concrete Structures."

He is currently a senior staff engineer with Virginia Power and Electric Utility Co. an electric utility company headquartered in Richmond, Va., and has been involved in the design and refurbishment of heavy industrial facilities, including fossil and nuclear power plants, as well as aluminum smelters and other aluminum industry-related processing facilities for more than 20 years. He has specialized in concrete inspections and repair methods with particular interest in plant life extension. Zalesiak holds Bachelor's and Master's degrees in civil engineering from the University of Illinois.

DELMAR L. BLOEM DISTINGUISHED SERVICE AWARD

The Institute established a Distinguished Service Award in 1969 to recognize noteworthy work on ACI technical committees. The name of the award was changed to the Delmar Bloem because he had demonstrated, over a period of many years, the characteristics and dedication required for the award. The award is given to a current (or recent) chairman of a technical committee, or under special circumstances, to deserving individuals other than committee chairmen, in recognition of outstanding performance.

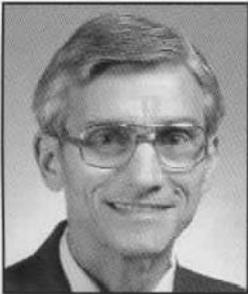
ELECTED FELLOWS

ACI FELLOWS

"A Fellow shall be a person who has made outstanding contributions to the production or use of concrete materials, products, and structures in the areas of education, research, development, design, construction, or management. A Fellow shall have the same rights and privileges as a Member." (see Bylaws, Article II, Section 3.

The Bylaws provide that Fellows are nominated by a Fellows Nominating Committee and elected by the Board. Nominations to the Fellows Nominating Committee for selection may come from the committee, from chapters, from the International Activities committee, or by petition by five current ACI members. The final selection takes into account service to ACI or unusual service in the field of concrete.

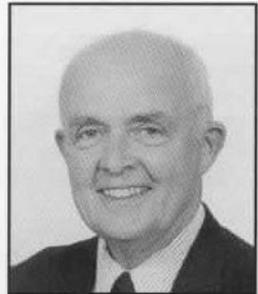
The following have been elected Fellows of the American Concrete Institute:



Clyde N. Baker



Jenn-Chuan Chern



C. Terry Dooley



Stephen W. Forster



Fouad H. Fouad



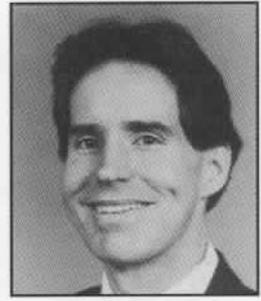
Dan M. Frangopol



Melvyn A. Galinat



Douglas Haavik



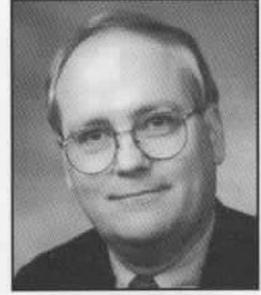
Jerry A. Holland



Morris Huffman



José M. Izquierdo



Steven L. McCabe



Julio A. Ramirez



Dan Ravina



George V.M. Teodoru



Woodward L. Vogt



Paul Zoltanetzky, Jr.

CHAPTER AWARDS CITATIONS OF EXCELLENCE

These awards are given to those Chapters that have achieved excellence in chapter activities and have made significant contributions to ACI activities.

Consideration is given in areas of education and certification activities; membership; meetings; local chapter award programs; public relations; newsletters; convention participation; student scholarships and/or Sponsor-a-Student program.

EXCELLENT CHAPTERS

To be announced at the Awards Breakfast.

OUTSTANDING CHAPTERS

To be announced at the Awards Breakfast

CERTIFICATES OF MEMBERSHIP APPRECIATION

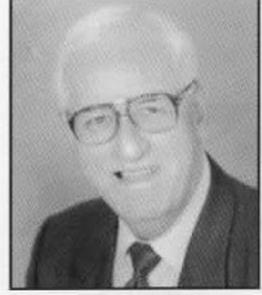
The American Concrete Institute expresses its appreciation to the following Members, who have been valued members of the Institute for more than 50 years. *Your support through the years has contributed to the success of ACI.*



RUSSELL S.
FLING



CORNIE L.
HULSBOS



DR. CAMERON
MACINNIS

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RICHARD R. BRADSHAW
JOHN L. BURDICK
ROBERT L. COLLINS
THEODORE F. HAGERMAN
SAMUEL B. HELMS
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ROY G. JOHNSTON

KENNETH R. LAUER
DONALD W. LEWIS
DENNIS B. MICKO
HUGH M. O'NEIL
JOHN MARTIN ROBERTS
JAMES E. STALLMEYER
VINCENT A. VELLA
IVAN M. VIEST

ACI International gives special thanks to the following individuals and companies who have been members for more than 25 years.

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 Harold Colton (1966)
 James Colville (1972)
 Jesus Comas (1963)

Concrete Industry Board Inc. (1969)
 Edmund A. Connor (1958)
 Construction Polymer Tech Inc. (1966)
 Marcello Conti (1968)
 William B. Conway (1964)
 Albert L. Conyers (1960)
 James E. Cook (1968)
 Joseph B. Cook (1972)
 Russell A. Cook (1963)
 James L. Cope (1962)
 Brendan J. Corcoran (1971)
 William A. Cordon (1947)
 W. Gene Corley (1958)
 Joseph T. Corrente (1967)
 Cesar A. Corretjer (1962)
 Cost Inc. Jon J. Stanwyck (1971)
 James F. Costello (1969)
 Zach S. Cowan (1966)
 J. Carroll Cox (1967)
 J. Roger Craddock (1972)
 Frank C. Craig (1955)
 David C. Cramm (1956)
 William B. Cranston (1968)
 Michael T. Crawford (1966)
 Patrick J. Creegan (1956)
 Edgar L. Creswell (1963)
 Crelex Companies Inc. (1943)
 Bary C. Crisp (1970)
 Robert Andrew Crist (1959)
 Marvin E. Criswell (1967)
 Gerasimos M. Criticos (1963)
 Don K. Croneberger (1969)
 Randall C. Cronin (1966)
 Robert W. Crooks (1964)
 James R. Cruz (1972)
 Oscar M. Gonzalez Cuevas (1963)
 Kenneth D. Cummins (1959)
 Earl G. Culler (1963)
 James Madison Cutts (1964)
 Edward A. D'Antoni (1972)
 Bradford B. Dallas (1954)
 Ian M. Dance (1961)
 D. Gene Daniel (1960)
 Paul A. Darden (1951)
 Robert M. Darvas (1963)
 David Darwin (1967)
 Max J. Daubenberger (1972)
 Louis C. Daugherty (1956)
 Bhanushanker V. Dave (1972)
 P.H. Davies (1965)
 Norberto Davila (1966)
 Gerald V. Davis (1966)
 Raymond F. Davis (1970)
 Robert J. Davis (1956)
 William J. Davis (1972)
 M.T. Davisson (1956)
 Kenneth W. Day (1967)
 Arnold J. de Angelis (1955)
 Oscar L. de Buen (1955)
 John T. de Wolf (1968)
 Eduardo G. De-Zayas (1962)
 Alfred N. DeAngelis (1972)
 Edwin A. Decker (1959)
 D.G. Deer (1969)
 Jose A. del Rosario (1968)
 John Demeter (1966)
 Clement F. Denize (1956)
 Carl R. Denk (1961)
 Robert F. Denkins (1971)
 Kenneth F. Dennison (1969)
 Douglas W. Deno (1971)
 Glenn W. DePuy (1972)
 Jayant P. Desai (1963)
 Bernardo Deschapelles (1964)
 Vincent J. Desimone (1964)
 Detroit Edison Co. (1921)
 Salvatore DeVincenzo (1956)
 Roy J. Dewey (1969)
 Samuel I. Diaz (1967)
 Graeme T.S. Dick (1970)
 James T. Dikeou (1966)
 Walter H. Dilger (1967)
 Alfonso A. DiMeo (1963)
 Raymond A. DiPasquale (1971)
 Donald E. Dixon (1968)
 Everard B. Dixon (1970)
 Samuel S. Doak (1963)
 Joseph A. Dobrowolski (1956)
 Abelardo L. Docal (1949)
 Fredric M. Doeing (1966)
 Charles W. Dolan (1967)
 W.L. Doich (1967)
 Bernhard M. Domblatt (1940)
 Atze Douma (1965)
 Dow Chemical Co. (1924)
 Thomas A. Downey (1962)
 Robert E. Downey (1972)
 Peter Dragan (1962)
 Kingsley D. Drake (1968)
 John C. Draper (1968)
 Madhav Ganesh Dravid (1969)
 Charles R. Droessler (1972)
 H. Everett Drugge (1972)
 Robert G. Drysdale (1963)
 Ralph C. Dumack (1965)
 Luc Dumais (1967)
 Kenneth F. Dunker (1966)
 John J. Dvorak (1935)
 Max J. Dykmans (1962)
 Max R. Dykmans (1972)
 Waller P. Eastwood (1952)
 Robert W. Eby (1960)
 Egyptian Conc. Co. (1968)
 Carl E. Ekberg (1954)
 Lennart G. Elfgrén (1967)
 Douglas N. Elliott (1968)
 Eric Elsesser (1957)
 Robert E. Englekirk (1969)
 G. Salomon Epelboim (1970)
 Harold L. Epstein (1955)
 Philip Epstein (1971)
 Harold C. Erickson (1966)
 Stanley J. Eringis (1969)
 Albert A. Erkel (1956)
 Bryan A. Erler (1972)
 Bernard E. Erlin (1968)
 Charles Ernest (1970)
 George C. Ernst (1935)
 Ugur Ersoy (1955)
 William H. Erwin (1966)
 Jose M. Espinal-Vazquez (1963)
 Octavio A. Espinosa (1962)
 F. Douglas Estes (1959)
 William Victor Evans (1953)
 Noel J. Everard (1957)
 Henry D. Ewanchook (1971)
 Expanded Shale Clay/Slate Inst (1953)
 Jorge E. Falla-Lozano (1964)
 Bert Farago (1969)
 Emery Farkas (1960)
 Larry E. Farmer (1961)
 Alberto S.C. Fava (1952)
 Fernando Favela-Lozoya (1960)
 Pasquale Fazio (1960)
 Febelem A.R. Mommén (1966)
 Larry J. Feeser (1959)
 Bernard M. Feinberg (1964)
 Robert D. Fenner (1958)
 R.C. Fenwick (1967)
 George P. Fernandez (1967)
 H. Jose Manuel Fernandez (1966)
 Luis Fernandez (1972)
 Rafael S. Fernandez (1972)

- Enrique Fernandez-Munox (1955)
 Rafael Adan Ferrera-Boza (1969)
 J. Ferry-Borges (1948)
 R. Marshall Fields (1971)
 Eugene C. Figg (1966)
 Marcos Fincheltub (1971)
 Robert D. Finrock (1969)
 Edward B. Finkel (1965)
 Sepp Firmkas (1962)
 H.C. Fischer (1957)
 Max G. Fischer (1972)
 Walter E. Fisher (1952)
 Thomas R. Fitzpatrick (1966)
 Neal Fitzsimons (1954)
 Kaare Flaale (1968)
 Philip N. Fletcher (1932)
 Russell S. Fling (1948)
 Rodrigo Flores (1945)
 Paul H. Flower (1972)
 Thomas D.Y. Fok (1958)
 Richard L. Foley (1969)
 Weng Cheong Fong (1968)
 James Stephen Ford (1972)
 Nicholas F. Forell (1957)
 D.R. Forsyth (1968)
 David W. Fowler (1962)
 Dexter J. Fowler (1967)
 Michael A. Fowler (1965)
 Timothy J. Fowler (1962)
 Douglas L. Fox (1970)
 Gerard F. Fox (1956)
 Allan V. Fozzard (1966)
 John Fraczek (1972)
 Paul F. Fratessa (1966)
 G. Craig Freas (1971)
 John C. Fredericks (1964)
 Sidney Freedman (1964)
 Sigmund A. Freeman (1962)
 Clifford L. Freyermuth (1966)
 Edward M. Frisbee (1963)
 Froehling & Robertson Inc. (1917)
 Manabu Fujii (1963)
 Kametaro Fujita (1965)
 Fuad F. Fuleihan (1964)
 Richard W. Furlong (1962)
 Bernard L. Gabrielsen (1966)
 E.A. Gale (1969)
 Alfonso J. Gallegos (1967)
 Hector Gallegos (1961)
 Nunzio Galletta (1957)
 Eduardo Gallo Deza (1960)
 William L. Gamble (1959)
 John E. Gant (1962)
 Louis F. Garcia (1961)
 Luis E. Garcia (1972)
 William H. Gardner (1954)
 N. John Gardner (1961)
 Roland F. Garretson (1968)
 Gerald A. Garshon (1967)
 James R. Gaston (1950)
 Gate Bluegrass Precast Inc. (1968)
 Robert E. Gates (1970)
 William E. Gates (1962)
 Alan M. Gaylord (1966)
 Richard D. Gaynor (1971)
 Philip Gazda (1972)
 Steven H. Gebler (1969)
 Francis E. Gerace (1962)
 Andre P. Gerber (1967)
 Loris L. Gerber (1959)
 John Gerini (1972)
 B. Gersovitz (1961)
 Kur. H. Gerstle (1961)
 Ben C. Gerwick (1972)
 Hans Gesund (1953)
 Amin Ghali (1965)
 Pierre L. Giani (1971)
 K. Fred Gibbe (1957)
 Kenneth Gibble (1970)
 T. Colin Gibbs (1967)
 Tony Gibbs (1968)
 Giffels Assoc Inc (1953)
 Bruechle Gilchrist (1963)
 Hershell Gili (1969)
 Tibor Ginter (1964)
 Alberto Giovambattista (1970)
 Richard C. Givens (1955)
 Odd E. Gjov (1971)
 Alton J. Gladding (1965)
 I. Leon Glassgold (1949)
 John P. Gnaedinger (1958)
 Carl W. Goepfert (1956)
 Gerald E. Goettsche (1972)
 Anand B. Gogale (1964)
 Barry A. Goldberg (1964)
 Joseph D. Goldreich (1960)
 Morris K. Goldsmith (1952)
 Ovidio A. Gonzalez (1969)
 Sergio Gonzalez-Karg (1956)
 Clifford Gordon (1971)
 Paul Gordon (1961)
 Yukimasa Goto (1962)
 Harold L. Gotschall (1969)
 Albert J. Gouwens (1969)
 Gerhard H. Graf (1970)
 Howard C. Graff (1962)
 Arvid Grant (1962)
 E. Gordon Gravelyn (1962)
 George W. Green (1965)
 Roger Green (1961)
 M. Crawford Greene (1955)
 Richard M. Greenlee (1969)
 Robert E. Griffith (1966)
 Charles H. Grimes (1964)
 E-Dean Emeritus Grinterlinton (1938)
 David E. Groblewski (1969)
 Jacob S. Grossman (1963)
 Hildayat N. Grouni (1968)
 Gilberto F. Guardia (1950)
 Otto C. Guedelhoefer (1967)
 Wm. Allan Guenther (1960)
 Eduardo A.J. Guevara (1958)
 Adli William Guindi (1944)
 Robert J. Gulyas (1963)
 Werner H. Gumpertz (1952)
 Bill Lee Gunnin (1971)
 C.K. Gupta (1970)
 Sidney A. Guralnick (1962)
 German R. Gurfinkel (1956)
 Peter E. Gurvin (1972)
 Armand H. Gustafarro (1956)
 David P. Gustafson (1962)
 Ramon F. Gutierrez (1964)
 Tadius J. Gutt (1949)
 Ulrich Gygax (1967)
 Douglas J. Haavik (1967)
 Emil C. Hach (1958)
 Richard W. Hackbarth (1972)
 Gilbert J. Haddad (1965)
 Asadour H. Hadjian (1959)
 Roald J. Haestad (1955)
 Hans William Hagen (1971)
 Theodore F. Hagerman (1948)
 Herber C. Hale (1953)
 M.M. Halim (1972)
 William Joel Hall (1952)
 Joseph M. Hallisey (1967)
 James E. Halpin (1952)
 W. Thomas Halpin (1971)
 Philip E. Halstead (1965)
 Harold S. Hamada (1972)
 Alastair Hamilton (1964)
 Dennis K. Hanatani (1971)
 James T. Haney (1961)
 Kenneth D. Hansen (1960)
 Torben C. Hansen (1965)
 John M. Hanson (1960)

Lloyd K. Hanson (1964)
 Norman W. Hanson (1954)
 Walter E. Hanson (1950)
 William Hanuschak (1961)
 Edward M. Harboe (1947)
 Eugene Harbour (1963)
 Lemuel H. Hardaway (1957)
 Ralph J. Harder (1972)
 Vasant Kumar Hariani (1971)
 Maurice R. Harlan (1961)
 Teodoro E. Harmsen (1964)
 John P. Harper (1971)
 Thomas B. Harrell (1970)
 Harry G. Harris (1961)
 James R. Harris (1971)
 Graeme D. Harrison (1965)
 Milton Hartstein (1947)
 Frank C. Hartzell (1957)
 Mark B. Haselton (1971)
 Hanny A. Hassan (1964)
 M. Nadim Hassoun (1968)
 James M. Hastings (1957)
 Z. Marian Haszlkiewicz (1966)
 George E. Hatch (1945)
 Roger Hauser (1966)
 Neil M. Hawkins (1957)
 John Marion Hayes (1946)
 Mitchell J. Hayman (1971)
 Harvey H. Haynes (1968)
 Clifford O. Hays (1972)
 C. Raymond Hays (1967)
 James Healy (1970)
 Frank J. Heger (1954)
 Richard Hegle (1967)
 Lam Kap Hei (1972)
 Ronald Edward Heil (1961)
 William John Heinze (1968)
 Thorsteinn Helgason (1965)
 Samuel B. Helms (1948)
 Mahmoud Abd Elhamid Helmy (1967)
 George L. Henderson (1950)
 Ralph A. Hendrick (1972)
 John G. Hendrickson (1949)
 Thomas C. Hendrix (1971)
 Robert L. Henry (1971)
 Samuel J. Henry (1962)
 Manuel L. Heredia (1961)
 Dario Hernandez (1956)
 Dennis W. Hernandez (1962)
 Eddy N. Hernandez (1950)
 Gregorio Hernandez (1955)
 Nicholas M. Hernandez (1957)
 Angel E. Herrera (1955)
 Raymond C. Heun (1964)
 John Hickel (1970)
 Nelson A. Hidalgo (1969)
 Michael A. Higgins (1970)
 Eugene D. Hill (1962)
 Milton D. Hillman (1966)
 Hubert K. Hilsdorf (1966)
 Keith Hinchey (1964)
 Kai R. Hindo (1960)
 Ikuo Hirasawa (1966)
 Ephraim G. Hirsch (1962)
 Tommy E. Hixson (1969)
 H. Frank Hiyama (1968)
 Leonard S. Hobbs (1968)
 Donald Hodgetts (1970)
 Robert Howard Hodnett (1961)
 Geoffrey Hodsdon (1963)
 George C. Hoff (1962)
 Edward S. Hoffman (1956)
 John H. Hoge (1957)
 Eivind Hognestad (1947)
 Nibondh Hoisangwan (1968)
 Randon E. Holben (1969)
 Eugene Paul Holland (1961)
 M.J. Holland (1968)
 George W. Hollon (1962)
 Ronald L. Hollrah (1966)
 Allen K. Holmes (1969)
 Ignacio Holtz (1959)
 John H. Hom (1957)
 Ira Hooper (1957)
 Brian B. Hope (1966)
 David C. Hopkins (1969)
 J. Walter Hoskins (1965)
 Abdel-Hady H. Hosny (1952)
 Jules Houde (1961)
 David M. Houdeshell (1970)
 George W. Housner (1957)
 James T. Houston (1967)
 Nathan L. Howard (1966)
 Keith A. Howe (1972)
 John A. Hribar (1965)
 Cheng-Tzu Thomas Hsu (1969)
 Thomas T.C. Hsu (1961)
 Ti Huang (1951)
 Yungfuh Huang (1971)
 Robert L. Hudson (1970)
 Comie L. Hulsbos (1948)
 Robert B. Hunnes (1972)
 Theodore W. Hunt (1960)
 Carl J. Huntzinger (1951)
 Mary K. Hurd (1956)
 Winifred M.E. Hutton (1948)
 Idaho Transportation Dept. (1942)
 Gunnar Morten Idorn (1953)
 Sal Ienco (1972)
 Shoji Ikeda (1964)
 Kiichi Imai (1955)
 Richard R. Imper (1962)
 Inland Cement Limited (1956)
 Inst Del Cemento Portland (1940)
 John P. Irby (1960)
 Richard Isa (1958)
 Merlyn Isaak (1961)
 Raymond Itaya (1957)
 Donald S. Jack (1962)
 Norman G. Jacobson (1958)
 Francis J. Jacques (1962)
 Chanoch H. Jaegermann (1958)
 Jagdish Sharan Jain (1970)
 Krishan K. Jain (1963)
 Arthur M. James (1949)
 Jagdish C. Janveja (1968)
 Stanley Jarosz (1972)
 William Richard Jenkin (1954)
 Robert S. Jenkins (1971)
 Daniel P. Jenny (1954)
 Robert Jensik (1969)
 Cesar Jimenez (1930)
 James O. Jirsa (1961)
 Harold J. Jobse (1962)
 Fred M. Joels (1972)
 Carlos W. Johansen (1969)
 John Carolo Engineers (1958)
 Douglas A. Johnson (1972)
 Franklin B. Johnson (1951)
 Harvey G. Johnson (1970)
 Robert B. Johnson (1963)
 Robert B. Johnson (1972)
 C.D. Johnston (1968)
 David W. Johnston (1966)
 Gary L. Johnston (1971)
 Roger S. Johnston (1968)
 Roy G. Johnston (1948)
 Gerald V. Joiner (1954)
 Robert S. Jones (1951)
 Michael A. Jordan (1959)
 Ib Falk Jorgensen (1952)
 Jagadish R. Joshi (1970)
 Thomas W. Joy (1956)
 Billy S. Jumper (1968)
 Paul H. Kaar (1955)
 Richard A. Kaden (1969)
 Grant Kafarowski (1960)
 Lawrence F. Kahn (1970)

Yoshio Kakuta (1971)
 Lembit Kaid (1952)
 Raymond Kalita (1965)
 Toyosaburo Kameda (1964)
 Dov Kaminetzky (1955)
 Andrew J. Kaminker (1963)
 Noel Kane (1972)
 Yoshikazu Kanoh (1963)
 John C. Kariotis (1953)
 Satoshi Kashima (1972)
 Joseph Katz (1963)
 Alfred L. Kaufman (1961)
 Irvin S. Kaufman (1970)
 Hideo Kawakami (1964)
 Hiroyuki Kawamura (1967)
 David G. Keeton (1969)
 Oswin Keifer (1962)
 David L. Kelly (1967)
 John B. Kelly (1972)
 William H. Keltner (1961)
 Emory L. Kemp (1963)
 Robert L. Kenefick (1966)
 D.J. Laurie Kennedy (1960)
 John B.P. Kennedy (1958)
 Terrance L. Kennedy (1958)
 Robert G. Kennerly (1956)
 Allan R. Kenney (1958)
 Mark A. Kenning (1971)
 Clyde E. Kesler (1947)
 Earl W. Kessler (1972)
 Milo S. Ketchum (1935)
 Narbey Khachaturian (1954)
 Cesar A. Kiamco (1965)
 Heung Koo Kim (1963)
 S.Y. Kim (1963)
 L. Robert Kimball (1960)
 Michael M. Kimura (1971)
 William Robert King (1967)
 Thomas E. Kinsel (1972)
 Paul Kirkpatrick (1972)
 Richard W. Kistner (1968)
 Ernest L. Klaber (1970)
 F. Wayne Klaiber (1962)
 Paul Klieger (1946)
 Donald H. Kline (1971)
 Jerome G. Kluball (1962)
 P.R. Klucher (1965)
 Ralph W. Kluge (1938)
 Siegmund M. Knebl (1969)
 Albert William Knott (1959)
 Katsumi Kodama (1965)
 John H. Koester (1960)
 Yoshiro Koh (1952)
 Kiyoshi Kohno (1963)
 Sachio Koike (1969)
 Masatane Kokubu (1951)
 James L. Komanich (1967)
 Fung Kew Kong (1961)
 James G. Konnick (1971)
 James L. Konski (1954)
 D. Stanton Korista (1963)
 Santosh J. Kothari (1965)
 Takis Koufopoulos (1961)
 Wataru Koyanagi (1961)
 Frank A. Kozeliski (1968)
 Allan A. Kozich (1969)
 Paul E. Kraemer (1958)
 Erich A.G. Kralik (1964)
 Georg Anton Milan Kralik (1971)
 Ralph H. Kratz (1967)
 Donald J. Kremer (1972)
 Eduardo Kriger (1954)
 Richard W. Kriner (1957)
 Mark W. Kroeger (1959)
 Arthur Krueger (1945)
 Robert H. Kuhlman (1966)
 Karl Kuhlmann (1965)
 Alfred Kultis (1957)
 Walter E. Kunze (1958)
 Raman Kurkchubasche (1970)
 Chan Kwok-charm (1972)
 W. Hou Kwong (1971)
 Larry M. La Follette (1970)
 Lafarge Corp (1936)
 William D. Lafamme (1953)
 Robert W. LaFraugh (1961)
 James S. Lai (1962)
 Edward Laing (1954)
 Robert O. Lamar (1965)
 Eugene A. Lamberson (1963)
 Joseph F. Lamond (1960)
 Golden Erwin Lane (1966)
 Ross M. Lanius (1970)
 David R. Lankard (1972)
 David Lanning (1968)
 George E. LaPalm (1972)
 Richard Largent (1953)
 Donald E. Lathrup (1965)
 Raymond W. LaTona (1972)
 Leung Bun Lau (1966)
 Dick Law (1964)
 John H. Lawder (1972)
 Carroll W. Lawes (1972)
 Daniel R. Lawson (1972)
 Carlos A. Lazaró (1972)
 Nickifor Y. Lebar (1955)
 Chang Nam Lee (1967)
 Douglas D. Lee (1963)
 Edgar K.M. Lee (1959)
 Joong Choon Lee (1969)
 Robert G. Lee (1949)
 Carroll T. Leech (1966)
 William Lefkofsky (1971)
 James Lefter (1963)
 James Legas (1969)
 Nicholas A. Legatos (1955)
 Leo A. Legatski (1972)
 Oscar M. Lehmann (1959)
 Gerald D. Lehmer (1966)
 Leighton Contractors PTY Ltd. (1966)
 Donald George Leitch (1959)
 Edward J. LeNormand (1968)
 Fritz Leonhardt (1952)
 William Gordon Leslie (1959)
 Franco Levi (1964)
 Robert E. Levien (1969)
 Leon J. Levitt (1963)
 Edward C. Levy (1952)
 Donald W. Lewis (1948)
 J. Walter Lewis (1972)
 George F. Leyh (1965)
 James R. Libby (1951)
 O.E. Likens (1972)
 William F. Lilly (1970)
 Ramchandra G. Limaye (1971)
 Ismael Ahmad Limbada (1965)
 Heng-yeh Lin (1968)
 T.Y. Lin (1950)
 Stanley D. Lindsey (1966)
 Albert Litvin (1942)
 Tony C. Liu (1967)
 William C. Liu (1961)
 Jack F. Llewellyn (1964)
 John P. Lloyd (1964)
 Kam-shing Lo (1961)
 Q. William Lobo (1966)
 William Lockwood (1972)
 Santiago Loera (1966)
 Donald R. Logan (1963)
 Chi Yueng Loh (1966)
 Adrian E. Long (1970)
 Leslie D. Long (1940)
 Dirk N.M. Looijenga (1966)
 Robert S. Loomis (1945)
 John M. Looney (1968)
 Douglas L. Loos (1962)
 Alejandro Graf Lopez (1959)
 Jose Abraham Lopez (1962)
 A. Murray Lount (1950)
 Albert A. Lovell (1966)

Murray W. Low (1960)
 Le-wu Lu (1958)
 LeLong Lucien (1962)
 Don Harold Luellen (1962)
 Rene W. Luft (1968)
 Antonio S. Luisoni (1970)
 James E. Lunsford (1968)
 Frederic R. Lupi (1968)
 LeRoy A. Lutz (1965)
 M. Myint Lwin (1965)
 Gary Lykken (1972)
 Jack D. Lynch (1971)
 John S. Ma (1972)
 A.J. Macchi (1952)
 Donald H. MacDonald (1958)
 H.J. Mace (1963)
 James G. MacGregor (1956)
 Cameron MacInnis (1948)
 Douglas Mackenzie (1958)
 Kenneth Mackenzie (1965)
 Italo V. Mackin (1963)
 Jerry M. Madden (1972)
 Donald Dominic Magura (1961)
 P.B. Mahant (1964)
 Harendra Mahendra (1968)
 Khalid Mahmood (1971)
 Donald C. Makofsky (1972)
 G. Evanisto A. Maldonado (1969)
 V. Mohan Malhotra (1959)
 Roman Malinowski (1966)
 Ward R. Malisch (1963)
 Peter M. Maloney (1965)
 Peeter Mannik (1968)
 Charles E. Manske (1961)
 Nicholas Mariani (1972)
 Joaquin Marin (1962)
 James D. Marks (1967)
 Richard Peter Marone (1968)
 Theodore W. Marotta (1970)
 Jose Luis Guerra Marques (1971)
 Henry N. Marsh (1970)
 Ben F. Marshall (1958)
 Randolph G. Martens (1963)
 John A. Martin (1955)
 Hugh A.C. Martin (1966)
 Ignacio Martin (1949)
 John C. Martin (1966)
 Leslie D. Martin (1967)
 Ciro R. Martoni (1968)
 Christopher W. Marx (1966)
 Maryland State Highway Admin (1964)
 Tito R. Marzotto (1964)
 Francisco J. Mas (1970)
 Putinas V. Masalaitis (1969)
 Gary R. Mass (1964)
 Kristina L. Massey (1970)
 G.E. Masson (1966)
 Paul E. Mast (1963)
 Robert F. Mast (1959)
 Master Builders (1922)
 Joseph Mastrofrancesco (1972)
 Bryant Mather (1944)
 Russell H. Matson (1968)
 George M. Matsumura (1954)
 Alan H. Matlock (1957)
 David K. Maxwell (1972)
 Howard R. May (1957)
 Gustav R. Mayer (1952)
 Ronald M. Mayrbauri (1969)
 W.T. McCalla (1959)
 George A. McCammon (1945)
 Ray A. McCann (1951)
 Robert L. McCintock (1971)
 Michael S. McCormac (1967)
 Thomas A. McCormick (1961)
 Walter J. McCoy (1946)
 John F. McDermott (1965)
 James E. McDonald (1963)
 Joseph A. McElroy (1956)
 W. Denis McGee (1971)
 Dean C. McKee (1960)
 Richard D. McKeon (1959)
 Gary S. McKinney (1972)
 Donald S. McKinnon (1969)
 John F. McLaughlin (1955)
 John M. McLaughlin (1967)
 Walter S. McMullin (1971)
 Ronald B. McPherson (1960)
 Philip J. McQueen (1969)
 Jack A. Means (1961)
 Clinton Warren Mehring (1960)
 Kishor C. Mehta (1972)
 Povindar K. Mehta (1969)
 Louis John Meier (1951)
 Donald B. Meiners (1970)
 Donald F. Meinheit (1966)
 Richard C. Meininger (1967)
 Donald D. Meisel (1957)
 Douglas H. Merkle (1957)
 J. Levering Merritt (1958)
 Urhan A. Mesen (1968)
 Metro Water Dist Southern Cal (1966)
 Arnel Mevs (1969)
 John E. Meyer (1956)
 Norman H. Meyer (1964)
 Robert L. Meyer (1964)
 George G. Meyerhof (1956)
 Bernard L. Meyers (1960)
 C.E. Mickelson (1964)
 Forrest R. Mickey (1966)
 Dennis B. Micko (1948)
 Ronald F. Middlebrook (1968)
 Leonard R. Middleton (1971)
 Richard C. Mielenz (1945)
 Donald E. Mliks (1960)
 Richard E. Miller (1965)
 Charles A. Miller (1970)
 Fred J. Miller (1967)
 K. Gene Miller (1969)
 Raymond T. Miller (1966)
 Robert F. Miller (1971)
 Sammy Roy Millhouse (1949)
 Sidney Mindess (1965)
 Warren A. Minner (1960)
 Minnesota Dept of Trans (1940)
 Saeed Mirza (1966)
 Missouri Highway & Trans Dept (1938)
 Denis Mitchell (1970)
 James L. Mitchell (1971)
 Martin B. Mittelacher (1960)
 William M. Mlagenovich (1952)
 James C. Moese (1972)
 Carson K.C. Mok (1961)
 Jack Moll (1970)
 Arthur Monsey (1956)
 David J. Montague (1968)
 Clyde C. Moore (1963)
 Timothy L. Moore (1972)
 Robert E. Moorhead (1950)
 Frederick L. Moreadith (1964)
 Rowland G. Morgan (1966)
 Shiro Morita (1960)
 Christopher T. Morley (1971)
 George D. Morris (1971)
 Robert L. Morris (1953)
 Walter Thomas Moske (1962)
 Harry R. Moss (1971)
 Joaquin S. Mould (1962)
 Saad El-din M. Moustafa (1965)
 Larry G. Mirazek (1963)
 Gene E. Mueller (1965)
 Paul E. Mueller (1971)
 Hiroshi Muguruma (1954)
 Vilas S. Mujumdar (1966)
 Sapan K. Mukherjee (1966)

Joseph F. Mulcahy (1963)
 Richard T. Mulcahy (1962)
 Hasan A. Mulla (1970)
 Asher Muller (1951)
 Arthur J. Mulkoff (1956)
 Isam Munir (1960)
 Hideo Murakami (1953)
 Jiro Murata (1962)
 William G. Murphy (1946)
 Kenneth H. Murray (1967)
 Myles A. Murray (1968)
 Donald W. Musser (1969)
 William H. Muth (1969)
 Charles L. Myatt (1971)
 Antoine E. Naaman (1967)
 J.A. Nabi (1967)
 Mas Nagami (1972)
 Shigeyoshi Nagataki (1963)
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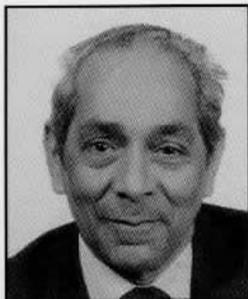
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CONCRETE RESEARCH COUNCIL ROBERT E. PHILLEO AWARD TO

R. NARAYAN SWAMY

"in recognition of outstanding contributions to the advancement of concrete technology through application of the results of concrete materials research."

R. Narayan Swamy is professor of engineering, director of research, and head of the design group, Department of Mechanical and Process Engineering, University of Sheffield, England, where he has been on the faculty for more than 30 years.

Also the director of the Structural Integrity Research Institute at Sheffield, he is internationally known for his research efforts and published works on cement and concrete composites. His numerous honors and awards includes two citations from the CANMET/ACI International Conferences for his contributions in research; that group also held a symposium in his honor at a 1995 conference in Milwaukee, Wis.

For many years, he has been editor of *Cement and Concrete Composites*, formerly the international journal of *Cement Composites and Lightweight Concrete*.

A Fellow of ACI, he is currently a member of Committees 123, Research; 228, Nondestructive Testing; 544, Fiber Reinforced Concrete; 549, Ferrocement; and a former member of 548, Polymers in Concrete.

He is the former chairman of the Yorkshire Branch of the British Institute of Structural Engineers and also serves on several RILEM committees on fiber reinforced concrete.

After receiving a Bachelor's degree in civil engineering in India, he moved to Sheffield for graduate studies and taught in Niger a, Africa, and at the University of Leicester, England, before returning to Sheffield as a faculty member.

THE ROBERT E. PHILLEO AWARD

The Robert E. Philleo Award of the Concrete Research Council, American Concrete Institute, established in 1992, is given in recognition of a person, persons, or an organization for outstanding research in the concrete materials field, or for outstanding research in the concrete materials field, or for outstanding contributions to the advancement of concrete technology through application of the results of concrete materials research. The award is a plaque suitably inscribed with the name of the recipient and the citation.

It is given in memory of an Institute past president and Honorary Member who was also chairman of the Concrete Materials Research Council, now the Concrete Research Council.



**REINFORCED CONCRETE
RESEARCH COUNCIL
ARTHUR J. BOASE
AWARD TO**

SHARON L. WOOD

"In recognition of her outstanding accomplishments in research, teaching, and publication in the field of structural concrete."

Sharon L. Wood is a member of ACI's Board of Direction and, is former secretary of the Reinforced Concrete Research Council.

Associate professor of civil engineering at the University of Texas, Austin, Tex., she began a three-year term on the Institute's Board in 1997 and also chairs ACI's Publications Committee. Also a member of the Convention Committee, she recently chaired an ad hoc committee charged with recommending improvements in the scheduling and arrangements for conventions.

She is also a member of Committee 318, Standard Building Code, and serves on its subcommittee for seismic provisions; 368, Earthquake Resisting Structural Elements; 369, Seismic Repair and Rehabilitation; and 442, Lateral Forces. She is the current chairman of Committee 442 and a former secretary of Committee 368.

Her research has been primarily related to the study of seismic response of reinforced concrete structures and she has been involved in experimental investigations of frame and wall structural systems. The earthquakes in Chile in 1985 and in the Northridge, Calif., area in 1994 are among those that she has evaluated for cyclic response.

At Texas, she teaches courses on the design and behavior of reinforced concrete structures, structural dynamics, and earthquake engineering. She received a Bachelor's degree in engineering from the University of Virginia and graduate degrees from the University of Illinois. She joined the faculty at Illinois in 1986 and was there for about ten years prior to moving to Texas.

She is a member of numerous other professional associations; her honors include the Nobel Prize of the American Society of Civil Engineers for 1992 authorship of a *Journal of Structural Engineering* paper on seismic response of reinforced concrete frames.

ARTHUR J. BOASE AWARD

The Arthur J. Boase Award, presented by the Reinforced Concrete Research Council, was first awarded in 1971 in recognition for outstanding activities and achievements in the reinforced concrete field.

The award consists of a certificate suitably inscribed with the name of the recipient and circumstances of the award.

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