AMERICAN
CONCRETE
INSTITUTE

ANNUAL AWARDS

"progress through knowledge"

MARCH 24, 1994
SPRING CONVENTION
SAN FRANCISCO, CA
HYATT REGENCY EMBARCADERO

AWARDS

HONORARY MEMBERSHIP

James R. Libby
Alan H. Mattock
Norman L. Scott
Peter Smith

ARTHUR R. ANDERSON AWARD

Henry G. Russell

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

William R. Phillips

JOE W. KELLY AWARD

Michael P. Collins

HENRY L. KENNEDY AWARD

Richard D. Gaynor

ALFRED E. LINDAU AWARD

John E. Breen

HENRY C. TURNER MEDAL

Jim Pierce

CHARLES S. WHITNEY MEDAL

Structural Engineering Laboratory
Canterbury University

WASON MEDAL FOR MATERIALS RESEARCH

Nicholas J. Carino
Rajesh C. Tank

WASON MEDAL FOR MOST MERITORIOUS PAPER

Terry J. Fricks

ACI CONSTRUCTION PRACTICE AWARD

Edward B. Finkel

ACI STRUCTURAL RESEARCH AWARD

Nader Panahshahi
Richard N. White
Peter Gergely

DELMAR L. BLOEM AWARDS FOR DISTINGUISHED SERVICE

Harry A. Chambers
T. D. Lin
John F. McDermott

FELLOWS

CHAPTER AWARDS - CITATIONS OF EXCELLENCE

MEMBERSHIP CITATIONS

CONCRETE RESEARCH COUNCIL
ROBERT E. PHILLEO AWARD

Richard C. Mielenz

REINFORCED CONCRETE RESEARCH COUNCIL
ARTHUR J. BOASE AWARD

Alan H. Mattock

"progress through knowledge"

HONORARY MEMBERSHIP TO

JAMES R. LIBBY

"for significant contributions to design of reinforced and prestressed concrete members; for long and distinguished service as a member and chair of several ACI committees and also as a member of the Technical Activities Committee, exemplary participation in chapter activities, and service on the ACI Board of Direction."

James R. Libby was the founder and is currently the board chairman of James R. Libby & Associates, a consulting engineering firm based in San Diego, CA. An ACI member for more than 40 years, he is a former Board of Direction member and also served on the Technical Activities Committee.

He is presently a member of the Construction Review Committee, and technical committees 116, Terminology and Notation; 343, Concrete Bridge Design, and a former chairman of this committee; and 344, Circular Prestressed Structures. His past memberships also include the Publications Committee, which he formerly chaired, the Financial Advisory Committee, the Planning Committee, and technical committees 118, Use of Computers; 323, Prestressed Structures; 337, Strength Evaluation; and 435, Deflections.

His ACI awards include the Henry L. Kennedy Award in 1982 for "outstanding leadership and service" in Institute administrative and technical activities; the Alfred E. Lindau Award in 1990 for contributions in structural design of reinforced and prestressed structures; and the Wason Medal for Most Meritorious Paper in 1976 for authorship of a paper on segmental box girder design. A Fellow of the Institute, he also received an outstanding achievement award in 1991 from the ACI San Diego International Chapter, of which he is a past president.

An engineering graduate of Oregon State University, he was associated with the Freyssinet Co., Inc., New York, NY, and the San Diego Prestressed Concrete Co. prior to establishing his own practice in 1960. Over the years, Libby Engineers has been involved in the design of major bridges, buildings, piers, and other structures in the United States as well as such countries as Bangladesh, Bolivia, Mexico, Panama, and Saudi Arabia.

Libby is also a Fellow of the American Society of Civil Engineers, a former president of both the Structural Engineers Association of California and the Structural Engineers Association of San Diego, and a member of numerous professional associations, including ASTM, the Precast/Prestressed Concrete Institute, the Applied Technology Council, and the Earthquake Engineering Research Institute.

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

ALAN H. MATTOCK

"for highly meritorious service to ACI as a long-time member of the Standard Building Code Committee through which he provided invaluable expertise on the behavior and strength of structural concrete members, as well as for numerous significant research contributions on shear strength of reinforced and prestressed concrete elements."

Alan H. Mattock is a retired professor of civil engineering, University of Washington, Seattle, WA, and a Fellow and former member of ACI's Board of Direction. He retired at the end of 1990 and was accorded emeritus status to conclude 26 years on the faculty at Washington.

A Fellow of ACI, his honors include the Joe W. Kelly Award in 1991 for his "dedicated guidance" to students, "tomorrow's engineers and technologists." He also received the Wason Medal for Most Meritorious Paper in 1967 for a manuscript on rotational capacity of hinging regions and the Alfred E. Lindau Award in 1970 for "many original and significant contributions to the advancement of reinforced concrete design practice."

Mattock is perhaps best known for his involvement with Committee 318 in the development of ACI's Building Code and many of his research results on concrete behavior have been incorporated in various editions of the document. He has been a member of Committee 318 since 1971 and served as chairman of its subcommittee on shear and torsion for two Code cycles.

He was also the Ferguson Lecturer at the 1989 Fall Convention at San Diego where he spoke on "Concrete — Challenge and Opportunity" and discussed Code development and practices in detail.

In addition to Committee 318, Mattock is also a member of Committees 423, Prestressed Concrete, and 445, Shear and Torsion, and a former member of the Board of Direction, the International Activities Committee, and Committees 428, Limit Design; 357, Offshore Structures; and 438, Torison. He is a past chairman of both Committees 423 and 428.

A native of England, he received engineering degrees from the University of London and was a lecturer of the Imperial College, London, and an engineer with the Fire Research Station in that nation before joining the research and development department at the Portland Cement Association, Skokie, IL, in 1957. He was at PCA for seven years before moving to Seattle.

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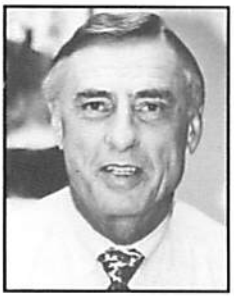

HONORARY MEMBERSHIP TO
NORMAN L. SCOTT

"for distinguished service to ACI, in leading the Institute as President and in undertaking several very difficult assignments including long-range planning and responsibility in concrete construction, and for many years of contributions to the betterment of the entire concrete industry."

Norman L. Scott, an ACI member for more than 35 years and the Institute's president in 1983, is board chairman and chief executive officer of the Consulting Engineers Group, Inc., Mt. Prospect, IL, a firm that he founded in 1966.

A Fellow of the Institute, his honors include ACI's Henry C. Turner Award last year for "many contributions" in precast and prestressed concrete design and "outstanding service" in the formation of ACI's certification program and the Concrete Materials Research Council.

A member of ACI for more than 35 years, Scott currently chairs the Committee on Responsibility in Concrete Construction which is currently drafting a guide for interactions among the parties involved in design and building. He is also active in ACI's Capital Campaign and is chairman of the Central States Region for the fund raising effort.

He is also a member of the Concrete Research Council and Committee 428, Prestressed Concrete, and a former member of the Financial Advisory Committee and the Institute and Industry Advancement Committee; he chaired this latter committee for several years before it was discharged.

A graduate of the University of Nebraska, he was associated with a Florida prestressed manufacturing firm for several years before being named as executive director of the Prestressed Concrete Institute. At PCI, he supervised its move from Boca Raton, FL to the Chicago area.

Scott later served as general manager of Wiss, Janney, Elstner Associates, Northbrook, IL prior to the formation of Consulting Engineers.

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HONORARY MEMBERSHIP TO
PETER SMITH

"for leadership in research and development of concrete used in transportation systems; and for many years of outstanding service on ACI committees, on the Technical Activities Committee, and as President of the Institute."

Peter Smith, the Institute's president in 1982, retired in 1991 after serving as director of engineering and development, Ministry of Transportation and Communications, Province of Ontario, Downsview, Canada. He had been with that governmental agency for more than 30 years.

A Fellow of the Institute and a member since 1958, he currently serves on Committees 120, History of Concrete; 124, Esthetics; 201, Durability; 504, Joint Sealants; and 554, Bearing Systems. He is a former member of both the Board of Direction and the Technical Activities Committee.

In 1972, he was presented with a Delmar L. Bloem Distinguished Service Award for his services as chairman of Committee 201. Smith, a member of several other professional associations, was one of the founding members of the Ontario Chapter.

A native of England and a graduate of the University of Leeds in that nation, he was involved in airfield construction with the Royal Air Force and nuclear concrete projects before emigrating to Canada. He began as a junior concrete engineer with the Ontario Department of Highways and rose to become director of research and development.

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ARTHUR R. ANDERSON AWARD TO **HENRY G. RUSSELL**

"for numerous research contributions that have advanced the use of shrinkage compensating cement and high-performance concrete, and for instrumentation and testing of both bridges and high-rise buildings that have led to significant improvements in design practice."

Henry G. Russell, former member of ACI's Board of Direction and a current member of the Technical Activities Committee, is vice president of Construction Technology Laboratories, Skokie, IL.

A Fellow of ACI, he is chairman of Committee 223, Expansive Cements; and a member of Committees 358, Guideways; 368, Earthquake Resistance; and the High Performance Concrete Committee. He is also a former member of the International Activities Committee and the Planning Committee.

Russell's honors include a Delmar L. Bloem Distinguished Service Award in 1986 for outstanding committee service and the Wason Medal for Most Meritorious Paper in 1992 for co-authorship of an *ACI Structural Journal* paper on shear strength of high strength concrete beams.

A member of ACI since 1969, he was director of the Structural Development Department at the Portland Cement Association prior to moving to CTL.

A graduate of the University of Sheffield, England, he was a structural engineer with the Building Research Station in that country before joining PCA in 1969.

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 CONCRETE CONSTRUCTOR AWARD TO

WILLIAM R. PHILLIPS

"for his important contributions to the concrete industry as a constructor, through his outstanding participation in the educational, technical, certification, and administrative activities of the Institute, promoting and encouraging quality and excellence in concrete construction."

William R. Phillips is currently a member of the Technical Activities Committee and is a former chairman of ACI's Construction Liaison Committee. A Fellow of the Institute, he has been involved in ACI construction activities since becoming a member more than 20 years ago.

A vice president of controls and services for Harbert-Yeargin, Inc., a Raytheon Co., Simpsonville, SC, he has been with that construction company for 22 years.

Phillips is also chairman of Committee E 703, Concrete Construction Practices, and a member of Committee 347, Formwork; the Construction Review Committee of TAC; TAC's new Technology Transfer Committee; and C-601A, Certification of Formwork Designers/Detailers. He is a former member of E 902, Certification.

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
MICHAEL P. COLLINS

"for his outstanding contributions to structural concrete as an educator, researcher, and engineer."

Michael P. Collins, is professor of civil engineering, University of Toronto, Toronto, Canada, and has been on the faculty there for 26 years.

A former member of the Board of Direction, he is an outgoing member of the Educational Activities Committee, and a member of technical committees 358, Concrete Guideways, and 445, Shear and Torsion. He is also a member of TAC's new committee on High Performance Concrete.

He formerly served on Committee 318, Standard Building Code, and was a member of 318's subcommittee on shear and torsion.

A Fellow of the Institute, his previous Institute honors include the Raymond C. Reese Structural Research Medal in 1976 for co-authorship of an *ACI Journal* paper on concrete in pure torsion and the Wason Medal for Most Meritorious Paper in 1991 for co-authorship of an *ACI Structural Journal* paper relating to axial tension of reinforced concrete members. Other recognitions include the Martin P. Korn Award of the Precast/Prestressed Concrete Institute and the T. Y. Lin Award of the American Society of Civil Engineers.

A member of ACI's Ontario Chapter and a former director of that chapter, he joined the faculty at Toronto in 1969 after several years on the faculty at the University of Colorado. Collins holds engineering degrees from the University of New South Wales, Australia, and the University of Canterbury, New Zealand.

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 **Richard D. Gaynor**

"for his outstanding technical contributions to the understanding of cement, admixtures, aggregates, and their performance in concrete mixtures in the field, and for his untiring services on the Board of Direction, and many other technical and administrative committees of the Institute."

Richard D. Gaynor has been a member of ACI for nearly 40 years and has been extensively involved in the administrative and technical activities of the Institute during this period.

A former member of ACI's Board of Direction, he is the executive vice president of the National Aggregates Association and the National Ready Mixed Concrete Association, Silver Spring, MD, as well as director of engineering for the National Industrial Sand Association.

He is a member of technical committees 301, Specifications; 318, Standard Building Code; 214, Strength Tests; 126, Materials Database; and 305, Hot Weather, and a former member of 116, Terminology and Notation; 302, Construction of Floors; and 309, Consolidation. Gaynor is also a former member of the Technical Activities Committee.

A native of Mobile, AL, he holds engineering degrees from the University of Alabama and the University of Maryland and in 1954 joined NAA-NRMCA as an engineer. Gaynor was advanced to director of engineering in 1971, to vice president of engineering and research in 1975, and executive vice president in 1984.

The author of numerous technical papers, he received ACI's Arthur R. Anderson Award in 1978 for his contributions "to the understanding of inter-relationship between aggregate properties and concrete properties" and his advocacy of practical applications of statistical methods.

An honorary member of ASTM Committees C-9, Concrete and Concrete Aggregates, and C-1, Cement, Gaynor recently received awards from both ASTM committees. These were the Frank E. Richart Award from both committees for his contributions in developing standard practices and specifications and the P. H. Bates Award from Committee C-1 for a *Journal of Cement, Concrete, and Aggregates* paper on cement and concrete strength.

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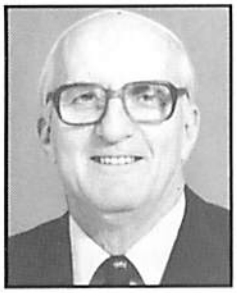
He previously received ASTM's Robert J. Painter Award, the Sanford E. Thompson Award, and the Award of Merit. Gaynor recently marked 40 years of service to NAA and NRMCA and this event was recognized by the two associations at their annual meetings in 1993.

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 are 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

JOHN E. BREEN

"for his significant contributions to the art and science involved in the design of concrete bridges and buildings."

John E. Breen, an Honorary Member of the Institute, holds the Nasser I. Al-Rashid Chair in Civil Engineering at The University of Texas, Austin, TX, and has been on the faculty there since 1962. He is also a former director of the university's Phil M. Ferguson Structural Engineering Laboratory.

A former member of ACI's Board of Direction and chairman of the Technical Activities Committee, he was accorded Honorary Membership at the 1992 Spring Convention in Washington, DC, for "outstanding contributions" to the Institute and in research on the behavior of reinforced and prestressed concrete members.

His other ACI honors include the Joe W. Kelly Award in 1981 for the dedication "to the education of those in his trust"; the Arthur R. Anderson Award in 1987 for his contributions in detailing; the Wason Medal for Most Meritorious Paper on two occasions; the Raymond C. Reese Structural Research Award, also on two occasions, and a Delmar E. Bloem Award for Distinguished Service. The latter was given in 1989 at the conclusion of Breen's tenure as chairman of Committee 318 for the cycle that produced the 1989 Code.

Breen was also the Raymond E. Davis Lecturer in 1978, captured the T. Y. Lin Award of the American Society of Civil Engineers on three occasions, and was the recipient of the Arthur J. Boase Award of the Reinforced Concrete Research Council.

He received a Bachelor's degree from Marquette University and a Master's from the University of Missouri prior to joining the faculty at Austin after receiving his Ph.D. there. A member of the National Academy of Engineering, Breen has also been active with ASCE, the Federation Internationale de la Precontrainte (FIP), and the International Association of Bridge and Structural Engineering.

ALFRED E. LINDAU AWARD

The Aldred 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

JIM PIERCE

"for his outstanding service to the concrete industry through his work at BuRec, as member and chair of various ASTM committees, and as a long time participant in the technical, administrative, and Board activities of the Institute, including his chairmanship of the Chapter Activities Committee."

Jim Pierce is chief, Materials Engineering Branch, U. S. Bureau of Reclamation, Denver, CO, and has been with that federal agency for nearly 25 years.

He is a former member of ACI's Board of Direction and is scheduled to begin a two-year term as a vice president of the Institute at this convention. Pierce, a Fellow, is also chairman of the Chapter Activities Committee and serves on the Technical Activities Committee.

A member or former member of several technical committees, he is a member of the International Activities Committee, the Concrete Research Council, and the ACI Rocky Mountain Chapter.

With the Bureau of Reclamation, he is responsible for program direction and implementation for research, laboratory and project support activities for concrete, corrosion protection, plastics, and geotechnical technologies.

An ACI member for more than 20 years, he joined the New York State Department of Transportation after receiving Bachelor's and Master's degrees in engineering from Purdue University, West Lafayette, IN. Pierce then joined the Bureau of Reclamation, left to move to Martin Marietta Cement, Hagerstown, MD, for six years, and then returned to the federal agency in 1976.

Pierce is also extensively involved in ASTM and serves on the society's Board of Directors and committees involved with cement, precast concrete products, and soil and rock. He is currently chairman of ASTM's Committee on Concrete and Concrete Aggregates.

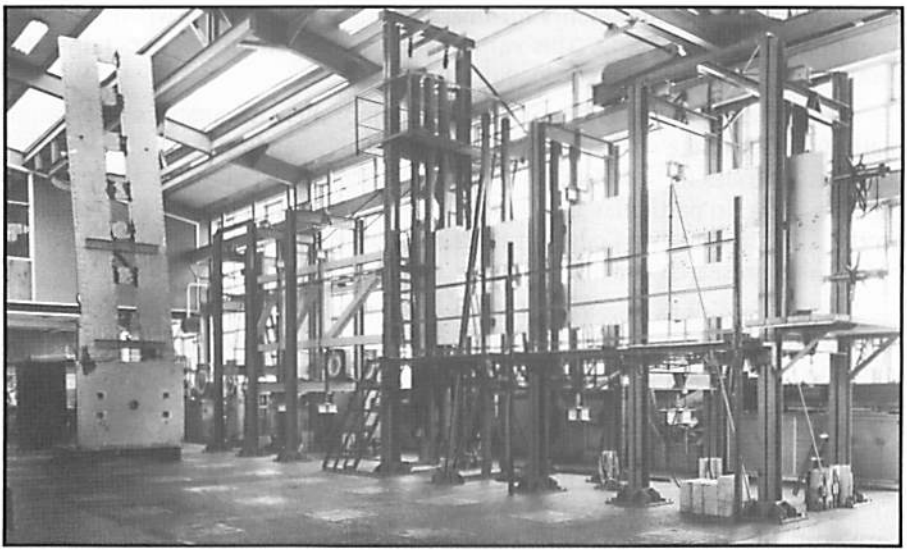
HENRY C. TURNER MEDAL

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 S. WHITNEY MEDAL TO

STRUCTURAL ENGINEERING LABORATORY, UNIVERSITY OF CANTERBURY, CHRISTCHURCH, NEW ZEALAND



"for a tradition of leadership and excellence in research on structural concrete, particularly as applied to the design of structures in seismic regions."

The Structural Engineering Laboratory, Canterbury University, Christchurch, New Zealand, has been a center of research on numerous aspects of the behavior and design of reinforced and prestressed concrete structures and elements for more than three decades.

The laboratory was initially planned by Professor Harry Hopkins who headed the university's Department of Civil Engineering from 1951 until 1978. It is located on the university's Ilam campus in Christchurch.

Professor Robert Park joined the faculty in 1960 and directed the laboratory's expansion from 1978 to 1992 when he was the head of the department. Others involved in the laboratory's development have included Thomas Paulay, ACI Honorary Member, who is retired but still active in the department; M. J. Nigel Priestley, a faculty member from 1976 to 1986, now professor at the University of California; A. H. Buchanan; D. K. Bull; N. Cooke; J. A. Dean; H. Tanaka; and a highly skilled technical staff led by G. E. Hill.

In addition to the usual array of strong floors and hydraulic loading equipment, the lab has a 1000 tonne DARTEC, a universal electro-hydraulic testing

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machine used for studies of building columns, bridge piers, and walls and bearings under static and dynamic loading. The hydraulic pumps for the machine are also used to drive a shaking table of plan dimensions four meters by two meters.

The DARTEC machine was installed in 1978; the funding for it ($280,000 in U. S., 1978 dollars) was raised from New Zealand industries and businesses.

Most of the current research in the lab concerns the strength and ductility of structural concrete and masonry members and their connections when subjected to earthquake type loading. This earthquake type excitation has generally been simulated by quasi-static cyclic loading.

From these studies, wide ranging and comprehensive analysis and design methods for concrete structural behavior have evolved and been adopted in structural design codes in New Zealand as well as many nations in North America, Europe, and Asia. In particular, the New Zealand design code, NZS 3101, is modelled on the ACI 318 Building Code, but its seismic provisions are mainly the result of New Zealand research and development.

Design provisions developed for New Zealand design codes which have been particularly pioneering are the seismic design recommendations for reinforced concrete masonry, reinforced concrete columns, beam-column joints, structural concrete walls, connections between precast concrete elements, prestressed concrete frames, and prestressed concrete piles.

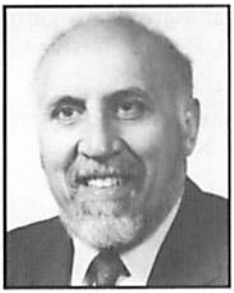
In addition, there has been experimental work related to temperature stresses in concrete bridge structures and tank walls. Other work currently underway in the laboratory also includes that involving precast structures, structures of high strength concrete and steel reinforcement, and the seismic retrofit of older structures.

Over the years, Canterbury research results have been published extensively by the American Concrete Institute and faculty members there have captured ACI's Structural Research Award (formerly the Raymond C. Reese Award) on four occasions — to Paulay in 1982 and 1983 and jointly to Paulay and Park in 1984 and 1989. In addition, Paulay was accorded Honorary Membership by ACI in 1987 for his research resulting in "worldwide advancement of seismic resistant concrete structures."

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, but not necessarily in each 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

NICHOLAS J. CARINO

RAJESH C. TANK

"for their paper ('Maturity Functions for Concretes Made with Various Cements and Admixtures') which describes a reliable model for quantifying the effect of curing temperatures on the strength development of concrete," published in the ACI Materials Journal, *V. 89, March-April 1992.*

Nicholas J. Carino is a research civil engineer with the National Institute of Standards and Technology, Gaithersburg, MD, and has been with that federal agency since 1979.

A member of ACI's Board of Direction, he has captured the Wason honor for research on two other prior occasions — in 1986 for a paper on flaw detection in concrete by the pulse-echo method and in 1991 for co-authorship of a companion paper, also based on NIST research.

An ACI member for more than 20 years, Carino is a Fellow and last year received the Delmar L. Bloem Distinguished Service Award "for noteworthy accomplishment as a technical committee member and chairman."

Currently, he is chairman of Committee 228, Nondestructive Testing, and a member of Committees 231, Properties of Concrete at Early Ages; 306, Cold Weather Concreting, of which he is also a former chairman; and 437, Strength Evaluation. Carino is a member of the Chapter Activities Committee and a former member of the Educational Activities Committee.

He received all three of his engineering degrees from Cornell University and was an assistant professor at The University of Texas, Austin, TX, for five years prior to joining NIST.

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Rajesh C. Tank is an executive engineer with Sardar Sarovar Narmada Nigam, Ltd., Vadodara, India, and has been with that firm for 12 years. He previously was with the Narmada Hydro Power Project in Gujarat, India.

His work at NIST with Carino was a part of graduate studies and he received a Ph.D. in engineering from Polytechnic University, New York, NY.

WASON MEDAL FOR MATERIALS RESEARCH

The Wason Medal for Materials Research was founded in 1917 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

TERRY J. FRICKS

"for his paper ('Cracking in Floor Slabs') which examines, in a practical way, the expectations and standards, responsibility, and remedies for cracking in concrete floor slabs," published in Concrete International, *February 1992.*

Terry J. Fricks is the president of Fricks Floor Systems, a Fort Worth, TX, firm which specializes in the design and construction of industrial floor slabs.

A veteran of more than 30 years experience in concrete placing and finishing, he is a member of ACI Committees 223, Shrinkage Compensating Concrete; 302, Construction of Concrete Floors; and 360, Design of Slabs on Grade.

He has been a speaker at numerous educational seminars, including those sponsored by ACI, and at the World of Concrete. During 1993, he was a principal speaker at the Institute's series on, "Concrete Slabs on Grade: Design, Specification, Construction, and Problem Resolution."

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

Edward B. Finkel

"for his paper ('The (Un)Common Industrial Concrete Floor Slab on Grade') which describes the basic and fundamental guidelines for design and constructibility to produce a quality and serviceable concrete floor slab-on-grade," published in Concrete International, *February 1992.*

Edward B. Finkel is the president and principal of Edward B. Finkel Associates, P.A., Piscataway, NJ, a firm that he founded in 1962.

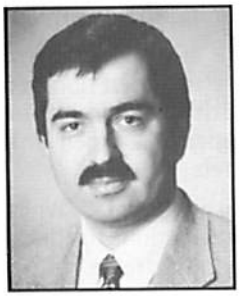
A member of the Institute for more than 30 years, he is one of 29 new Fellows scheduled to receive these honors at the Awards Breakfast in San Francisco.

He is a member of ACI Committee 302, Construction of Concrete Floors, and has been extensively involved in the activities of ACI's New Jersey Chapter. Finkel was president in 1988-89 when that chapter received an ACI Excellent Chapter Award.

He holds engineering degrees from the University of Illinois and Yale University and has been involved in the design and construction of more than 800 commercial, institutional, and industrial buildings, many of them of concrete, since the firm's establishment.

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

Nader Panahshahi

Richard N. White

Peter Gergely

"for their paper ('Reinforced Concrete Compression Lap Splices under Inelastic Cyclic Loading') which has significantly extended the experimental and analytical boundaries of compression lap splices under inelastic cyclic loading," published in the ACI Structural Journal, *V. 89, March-April 1992.*

Nader Panahshahi is assistant professor of engineering at Southern Illinois University, Edwardsville, IL, and has been on the faculty there for nearly four years.

He holds Bachelor's and Master's degrees in engineering from Oklahoma State University, Stillwater, OK, and a Ph.D. from Cornell University where the research that resulted in the *ACI Structural Journal* paper was conducted. Prior to moving to Southern Illinois, Panahshahi was a post-doctoral associate at the State University of New York, Buffalo.

His primary research interests have been in analysis and design of reinforced concrete buildings under earthquake-type loading, and bond and development of reinforcement.

Richard N. White is the James A. Friend Family Professor of Engineering at Cornell University, Ithaca, NY, and has been on the faculty there since 1961.

He is a member of ACI's Board of Direction and at the 1994 Spring Convention will conclude a three-year term as chairman of the Technical Activities Com-

continued

mittee. White was a TAC member for six years prior to assuming the chairmanship at the 1991 Spring Convention held in Boston, MA.

A Fellow of ACI, this is the third consecutive year that he has been honored at the Institute's Awards Breakfast. Last year in Vancouver, British Columbia, he and two others shared this same honor for authorship of a paper on Cornell University research on deflection of beams of high strength concrete.

The previous year, in 1992 at the Spring Convention in Washington, DC, White was presented with the Joe W. Kelly Award for "outstanding contributions to education in concrete as a teacher, researcher, author, and academic administrator."

He is also a member of ACI's Convention Committee, Construction Liaison Committee, International Activities Committee, the TAC Subcommittee on Technology Transfer; is chairman of Committee 335, Composite and Hybrid Construction; a member of Committees 359, Concrete Components for Nuclear Reactors; 369, Seismic Repair; and 444, Models for Concrete Structures; and a former member of Committee 349, Concrete Nuclear Structures.

White received three engineering degrees from the University of Wisconsin, Madison, before joining the faculty at Cornell more than 30 years ago. He is a former director of the School of Civil and Environmental Engineering and a former associate dean for undergraduate programs for Cornell's College of Engineering.

Peter Gergely is professor of engineering at Cornell University and has been on the faculty there for 30 years.

A former member of the Institute's Board of Direction, he was also one of the three who shared the Wason Medal for Most Meritorious Paper at the 1993 Spring Convention in Vancouver, British Columbia. A Fellow, Gergely also was presented with the Delmar L. Bloem Distinguished Service Award in 1981 for his contributions as chairman of Committee 408, Bond and Development of Reinforcement.

He still serves on Committee 408 and is also a former chairman of Committee 445, Shear and Torsion. Other memberships include Committees 224, Cracking, and 368, Earthquake Resistance.

Gergely attended the Technical University of Budapest, Hungary, McGill University in Canada, and the University of Illinois where he received his Ph. D. in 1963 prior to joining the Cornell faculty. He is a former chairman of the department and director of the School of Civil and Environmental Engineering at Cornell.

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.

DELMAR L. BLOEM AWARDS FOR DISTINGUISHED SERVICE TO

HARRY A. CHAMBERS

T. D. LIN

JOHN F. MCDERMOTT

"in recognition of extraordinary service to the Institute, particularly in the field of anchorage to concrete."

Harry A. Chambers, an ACI member for 24 years, is technical services manager of TRW Nelson Stud Welding, Elyria, OH, has been involved in the work of Committee 355, Anchorage to Concrete, since joining the Institute.

He served as secretary of Committee 355 from 1970 to 1974 and from 1977 to the present, serving as its chairman during that interim period. A Fellow, he also serves on Committee 533, Precast Concrete Panels.

With Committee 355, he was extensively involved in the development and drafting of ACI 335.1R-91, "State-of-the-Art Report on Anchorage to Concrete," and a new document, "Anchorage to Concrete: A Design Guide," not yet published. Chambers was also involved in the preparation of ACI *Special Publication 130,* "Concrete — Design and Behavior."

A graduate of The Pennsylvania State University, he played a major role in initiating and organizing the first comprehensive research program to evaluate the behavior and strength of headed steel studs embedded in concrete.

"in recognition of significant contributions and outstanding service as a technical committee member and chairman, especially in the field of lunar concrete."

T. D. Lin, a founder of ACI Committee 125, Lunar Concrete, in 1988, is profes-

continued

sor of engineering at National Chiao-Tung University, Taiwan, and has been on the faculty there for three years.

Also a member of Committee 216, Fire Resistance, he was the organizing chairman of Committee 125 and was its first chairman. During his chairmanship, the committee sponsored two convention technical sessions and developed *Special Publication 125,* "Lunar Concrete"; he has also been involved in a second report on lunar concrete, due for publication later this year.

He was a research engineer for Construction Technology Laboratories, Skokie, IL, where he inaugurated studies about possible uses of concrete for construction on the moon and other extraterrestrial bodies.

"in recognition of profound and continuous service to the technical programs of the Institute as a member and chairman of technical committees."

John F. McDermott, a member of ACI for nearly 30 years, recently retired from the USX Group, (formerly United States Steel), at the firm's research laboratories in Monroeville, PA, after more than 33 years. He continues as a senior research consultant to USX.

A Fellow of ACI, he has been a member of Committee 439, Steel Reinforcement, since 1966 and was its chairman for a four year period ending in 1992. During this period, the committee sponsored convention technical sessions and produced ACI 439.3R-91, "Mechanical Connections of Reinforcing Bars," and ACI 439.4R-89, "Steel Reinforcement — Physical Properties and U. S. Availability."

He was also chairman of Committee 408, Bond and Development of Reinforcement, and is still a member of that committee as well as a member of E 903, Convention Training, and an associate member of Committee 368, Earthquake Resistance.

McDermott holds Bachelor's and Master's degrees in civil engineering from Carnegie Mellon University and a Ph.D. from the University of Pittsburgh. After association with structural engineering firms in Pittsburgh and Lansing, MI, he joined U. S. Steel's research labs in Monroeville, specializing in structural research including bond of steel reinforcement.

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.

Usually one award will be given each year; however, there may be none or more than one in any particular year.

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.

James P. Archibald

Michael J. Boyle

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

Oral Buyukozturk

Menashi D. Cohen

Om Prakash Dixit

Edward P. Finkel

Russell T. Flynn

Sidney Freedman

K. Fred Gibbe

Zareh B. Gregorian

James R. Harris

Roy H. Keck

Jerome G. Kluball

Donald E. Lathrup

Donald R. Libby

Vilas S. Mujumdar

Dan J. Naus

Max L. Porter

Avanti C. Shroff

Ralph H. Spannenberg

R. Narayan Swamy

John L. Tanner III

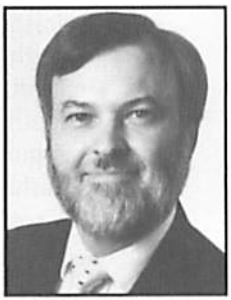
William R. Tolley

Ronald E. Vaughn

Thomas D. Verti

Richard Edwin Weyers

David A. Whiting



Joseph A. Wintz, III

Sharon L. Wood

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 educational and certification activities; membership; meetings; local chapter awards programs; public relations; newsletters; student scholarships and/or the Sponsor-a-Student program.

EXCELLENT CHAPTERS

Missouri
Eastern New York
Georgia

OUTSTANDING CHAPTERS

Arizona
Delaware Valley
Illinois
Indiana
Iowa-Minnesota
Kansas
Louisiana
Mexico Capital
National Capital
Nebraska
New Jersey
Northeast Texas
Northern California/Western Nevada
Saudi Arabia
Southern California
Virginia
Washington
Wisconsin

CERTIFICATES OF MEMBERSHIP APPRECIATION

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

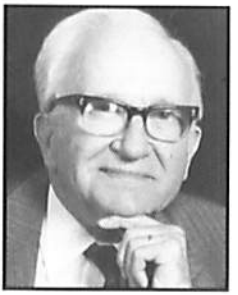
VINCENT R. CARTELLI

JAMES N. DESERIO

ADLY W. GINDY

W. R. GRACE & CO.

BRYANT MATHER



Concrete Research Council Robert E. Philleo Award to

Richard C. Mielenz

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

Richard C. Mielenz is a past president and Honorary Member of the Institute and has been a member for more than 45 years. Currently, he is the principal of Richard C. Mielenz, P.E., Inc., Gates Mills, OH, a consulting firm specializing in materials research and petrography.

President of ACI in 1977, he was accorded Honorary Membership in 1983 for "a lifetime of outstanding technical contributions to the field of concrete materials and meritorious service to the Institute."

His other ACI honors include the Wason Awards for research and outstanding paper in 1948 and 1959, the Henry L. Kennedy Award in 1973 for "long and effective technical and administrative services to the Institute," and a Delmar L. Bloem Distinguished Service Award in 1977. Also a Fellow, he was the Raymond E. Davis Lecturer in 1974.

In a rare feat in ACI history, Mielenz was elected to the Institute's Board of Direction on three separate occasions — for three year terms beginning in 1964, again in 1969, and then for a third time in 1975 when he was elected to a vice president's position and continued on the Board as president and a past president.

A member of several technical committees, Mielenz began his career with Standard Oil of California and then moved to the U. S. Bureau of Reclamation's Chemical Engineering Laboratory. In 1956, he relocated to Cleveland, OH, where he joined Master Builders, Inc. as director of research.

He retired as a vice president from Master Builders and established his own consulting practice in 1979. Mielenz has long been active in other professional associations and is a fellow of ASTM, the Geological Society of America, and the Mineralogical Society of America.

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 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

Alan H. Mattock

"in recognition of a fruitful career of outstanding research contributions in reinforced and prestressed concrete resulting in many substantial advances such as the introduction of high strength steels, design provisions for torsion, and the refinement of shear transfer design models."

(Alan H. Mattock will also receive Honorary Membership at this convention. See Page 5 for biographical data).

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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1994 Annual Convention Awards

Congratulations
1994
Awardees

AMERICAN CONCRETE INSTITUTE
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