



international®

2000



Annual Awards

"progress through knowledge"



March 30, 2000
Spring Convention
Sheraton Harbor Island
San Diego, California



HONORARY MEMBERSHIP

I. Leon Glassgold
 Charles G. Salmon
 John M. Scanton, Jr.*
 Loring A. Wyllie, Jr.

FELLOWS

George B. Barney
 D. J. Belarbi
 Darrell F. Elliot
 Jerome H. Ford
 Mette R. Geiker
 Hershell Gill
 M. R. Hansen
 Mohsen A. Issa

Gary J. Klein
 Peter M. Maloney
 S. K. Manjrekar
 LaGrit F. (Sam) Morris
 Charles K. Nmai
 Clifford R. Ohlwiler
 Brian J. Pashina
 David H. Sanders

John J. Schemmel
 Bahram M. Shahrooz
 Shamim A. Sheikh
 W. Glenn Smoak
 Richard D. Stehly
 Eldon G. Tipping
 John W. Wallace

50-YEAR MEMBERSHIP CITATIONS

Boris Bresler *
 Kuang-Han Chu
 James R. Gaston
 Gilberto F. Guardia
 Walter E. Hansen

George L. Henderson
 Eddy N. Hernandez
 T. Y. Lin
 A. Murray Lount
 Robert E. Moorhead

Richard A. Parmalee
 Ray A. Pinnell, Jr.
 John Douglas Sykes, Jr.

ARTHUR R. ANDERSON AWARD

Peter H. Emmons

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

Robert A. Epifano

JOE W. KELLY AWARD

Luis E. Garcia

HENRY L. KENNEDY AWARD

James R. Cagley

ALFRED E. LINDAU AWARD

W. Gene Corley

HENRY C. TURNER MEDAL

George F. Leyh

CEDRIC WILLSON AWARD

Alexander M. Vaysburd

ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

Debrethann R. Cagley Orsak
Jean-Francois Trottier

WASON MEDAL FOR MATERIALS RESEARCH

Thomas D. Bush, Jr.

WASON MEDAL FOR MOST MERITORIOUS PAPER

Stephen L. Amey
Dwayne A. Johnson
Matthew A. Miltenberger
Hamid Farzam

ACI CONSTRUCTION PRACTICE AWARD

Peter H. Emmons
Alexander M. Vaysburd
Jay Thomas

ACI STRUCTURAL RESEARCH AWARD

Robert K. Dowell
Frieder Seible
Edward L. Wilson

ACI STRUCTURAL ENGINEERING AWARD

Amin Ghali
Walter H. Dilger

DELMAR L. BLOEM AWARD FOR DISTINGUISHED SERVICE

James R. Cagley
Julio A. Ramirez

CHAPTER ACTIVITIES AWARD

William L. Barringer

CONCRETE RESEARCH COUNCIL**ROBERT E. PHILLEO AWARD**

Venkataswamy Ramakrishnan

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

Catherine E. French

CHAPTER AWARDS — CITATIONS OF EXCELLENCE**PORTLAND CEMENT ASSOCIATION — CONCRETE IN TRANSIT AWARD**

American Concrete Institute

This is to certify that

(Name of recipient of honorarium)
has been elected as

HONORARY MEMBER
of the Institute



On or about _____
President _____
Executive Vice President _____



Honorary membership — The Institute’s highest honor recognizes persons “of eminence in the field of the Institute’s interest, or one who has performed extraordinary meritorious service to the Institute.” (Bylaws, Article II, Section 2.) Established in 1926, more than 150 have been elected to this position.



I. Leon Glassgold

“in recognition of his extensive contributions, and valued contractor’s perspective, to shotcrete technology and refractory concrete applications, and his strong leadership as an Institute president”

I. Leon Glassgold is a past president of the Institute and has been a member of ACI for more than a half century. President of ACI in 1991, he is a former member of the Board of Direction and the Technical Activities Committee.

Since 1948, he has been associated with Masonry Resurfacing and Construction Co., Baltimore, MD, a firm founded by his father and specializing in shotcreting, grouting, refractory construction, and marine projects. He was president of the firm from 1948 to 1993 and still retains the title of chief engineer.

He is currently a member of Committees 506, Shotcreting, and 546, Repair of Concrete. Glassgold formerly chaired Committee 547, Refractory Concrete, and TAC’s Specifications Committee.

A Fellow of the Institute, his awards have included ACI’s Henry C. Turner Medal in 1987 for “contributions to the concrete industry through participation in technical and educational activities and for promoting improvements in construction practice;” a Delmar L. Bloem Distinguished Service Award in 1979 for contributions to technical activities; and the Chapter Activities Award in 1989 for his “commitment to and involvement in the development and promotion of chapter activities.”

Glassgold is a charter member of ACI’s Maryland chapter and was the general chairman of the local convention committee for the Institute’s fall meeting in Baltimore in 1986. At the 1999 fall convention in Baltimore, he was honored at an evening dinner by ACI members for his “lifetime contributions to the concrete industry.”

An engineering graduate of the University of Pennsylvania, Glassgold is also an active member of ASTM and other professional organizations and recently served as an ASTM subcommittee chairman for shotcrete.



“for his exceptional achievements in teaching concrete structures to students and to practicing engineers, and for his many contributions to ACI, including participating in the development of the 318 Building Code”



Charles G. Salmon

Charles G. Salmon is Professor Emeritus of Civil Engineering at the University of Wisconsin, Madison, WI, and is internationally known for authorship of textbooks and technical papers about the design of reinforced concrete structures.

An ACI member for more than 40 years, he joined the Wisconsin faculty as an instructor in 1956, progressed to full professor in 1967, and achieved emeritus status in 1989. He now resides in Las Vegas, NV.

A Fellow of the Institute and an honorary member of the American Society of Civil Engineers, Salmon still retains membership on Committee 318, Standard Building Code, and serves as chairman of its subcommittee on flexure and axial loads. He also serves as a member of the subcommittee on shear and torsion and as a member of Committees 340, Design Aids for ACI Building Codes, and 435, Deflection of Concrete Building Structures, and is a former chairman of Committee 340. Salmon was on the Educational Activities Committee for 6 years and a member of the Institute's Scholarship Council.

His awards include ACI's Joe W. Kelly Award in 1983 for “outstanding contributions in education” and a Delmar L. Bloem Distinguished Service Award in 1984 for contributions to ACI's technical activities. Other honors include the University of Wisconsin's Lifetime Achievement In Construction Award in 1999 and the university's Emil H. Steiger Award in 1982.

The Lifetime Achievement Award noted that his “enthusiasm and commitment to structural engineering has motivated and inspired hundreds of students and changed the entire structural design industry.” Salmon has long been associated with Chi Epsilon, the civil engineering society, and was national vice president, national president 1994-96, and a district counselor for nearly 12 years.



“for his extensive contributions to concrete technology, domestically and internationally, and his dedicated technical leadership in several ACI committees”

John M. Scanlon, Jr.

John M. Scanlon, Jr., a dedicated ACI member for nearly 30 years, died in December, 1999, in his home city of Memphis, TN, after an illness of several months.

A former Board of Direction and Technical Activities Committee member, he was widely known for his service on technical committees. These included Committees 207, Mass Concrete; 211, Proportioning Concrete Mixtures; 226, Fly Ash, Other Pozzolans, and Slag; 232, Fly Ash and Natural Pozzolans in Concrete; 233, Ground Slag in Concrete; 234, Silica Fume in Concrete; 303, Architectural Cast-in-Place Concrete; 305, Hot Weather Concreting; and 306, Cold Weather Concreting. He was also a former chairman of ACI's Fellows Nomination Committee, TAC's Metrication Committee, 207, 211, 226, and 306.

His ACI honors include the Arthur R. Anderson Award in 1996 for “outstanding contributions” in areas of concrete technology, including mass concrete, supplementary cementing materials, and mixture proportioning. In 1992, he was presented with a Delmar L. Bloem Distinguished Service Award for “significant and continuous service” in technical affairs.

At the time of his death, he was Senior Consultant and Branch Manager at the Memphis offices of Wiss, Janney, Elstner Associates, Inc., a firm he joined in 1991. Scanlon had been Director of Engineering Services for Master Builders, Inc., Cleveland, OH, and had been with the U.S. Army Corps of Engineers for more than 20 years.

Scanlon was also active in other organizations, including ASTM, ASCE, TRB, and RILEM. He was a former chairman of ASTM Committee C-9, Concrete and Concrete Aggregates, and also served on ASTM's Board of Directors.

“for his many contributions to the structural design of reinforced concrete buildings located in seismically active areas, and for his work in advancing design and construction methods and procedures for use in those areas”



Loring A. Wyllie, Jr.

Loring A. Wyllie, Jr., a former member of ACI's Board of Direction, is Senior Principal and Board Chairman of Degenkolb Engineers, San Francisco, CA, and has been with the consulting firm for 35 years.

He is a former member of the Technical Activities Committee and currently serves on Committee 318, Standard Building Code. He also serves on Committee 318's subcommittees on reinforcement and development and seismic analysis. Wyllie is a member of Committees 352, Joints and Connections in Monolithic Concrete Structures, and a former chairman of Committee 441, Reinforced Concrete Columns.

A Fellow of the Institute, he also serves on the Concrete Research Council (CRC).

His honors have included the Henry L. Kennedy Award in 1985 for "significant contributions and outstanding services" in ACI technical activities and the Alfred E. Lindau Award in 1999 for "many contributions to reinforced concrete design practice, particularly relating to seismic resistance."

An engineering graduate of the University of California, Berkeley, he joined the Degenkolb firm in 1964, was named an associate in 1967, and elected a vice president 6 years later. He is a former director of the Structural Engineers' Association of California and the Structural Engineers' Association of Northern California.

Wyllie has participated in numerous seismic investigations including those following major earthquakes in Guatemala, Nicaragua, Peru, and Italy.





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.” (Bylaws, Article II, Section 3.) Created in 1973, more than 500 members now hold the position of Fellow. They are recommended by the Fellows Nomination Committee and elected by the Board of Direction.



George B. Barney



D. J. Belarbi



Darrell F. Elliot

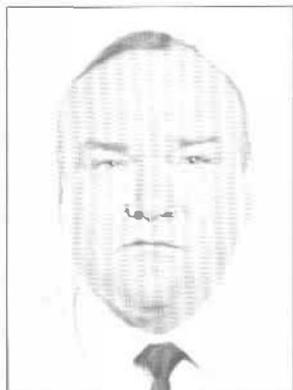


Jerome H. Ford

(For bios see pages 40-41)



Mette R. Geiker



Hershell Gill



M. R. Hansen



Mohsen A. Issa

(For bios see pages 41-42)



Gary J. Klein



Peter M. Maloney



S. K. Manjrekar



LaGrit F. (Sam) Morris

(For bios see pages 42-43)



Clifford R. Ohlweiler



Charles K. Nmai



Brian J. Pashina



David H. Sanders

(For bios see pages 13-44)



John J. Schemmel



Bahram M. Shahrooz



Shamim A. Sheikh



W. Glenn Smoak

(For bios see pages 44-45)



Eldon G. Tipping



Richard D. Stehly



John W. Wallace

(For bios see pages .15--16)

CERTIFICATE OF APPRECIATION



AWARDED TO

IN RECOGNITION OF
50 YEARS OF MEMBERSHIP
IN THE AMERICAN CONCRETE INSTITUTE

PRESIDENT

EXECUTIVE VICE PRESIDENT



50-Year Membership Citations —
Expression of appreciation to members who have contributed to the success of the Institute by maintaining membership of at least 50 years.



Boris Bresler*



Kuang-Han Chu



James R. Gaston



Walter E. Hanson



George L.
Henderson



Eddy N. Hernandez



T. Y. Lin



A. Murray Lount



Robert E.
Moorhead



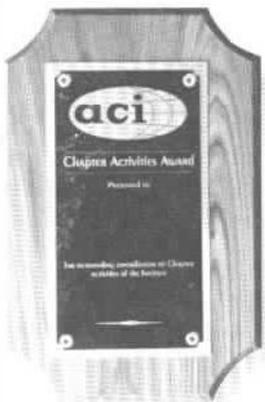
Richard A.
Parmalee



Ray A. Pinnell, Jr.

Not Pictured:

Gilberto F. Guardia
John Douglas Sykes, Jr.

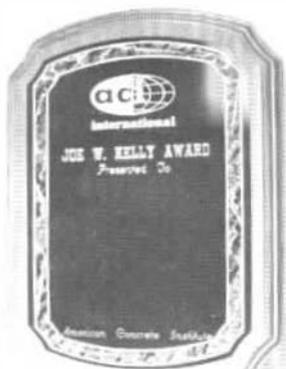


Chapter Activities Award

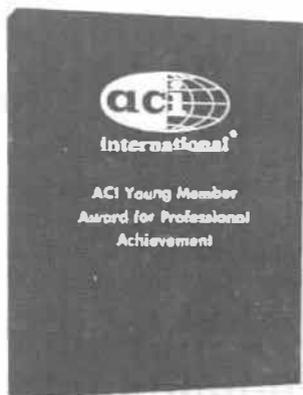


Henry L. Kennedy Award

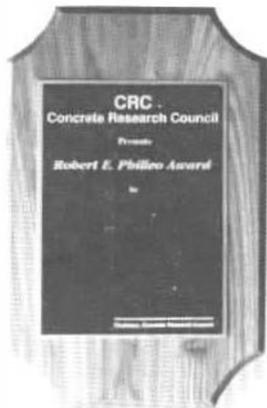




Daniel L. Blum
Distinguished Service Award



ACI Environmental Engineering Award





Peter H. Emmons

"for his contributions to the development and dissemination of knowledge regarding the repair, rehabilitation, and maintenance of concrete"

(For bio see pages 46-47)

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.



Robert A. Epifano

"for his advancement of efficient concrete construction techniques and their application"

(For bio see page 47)

The Roger H. Corbetta Concrete Constructor Award was established in 1972 by the Institute 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.

"for his inspirational teaching of the analysis and design of concrete structures, stressing both fundamental aspects and practical issues, and for his many contributions to the development of improved and simplified concrete design codes"



Luis E. Garcia

(For bio see pages 47-48)

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 award is given only for outstanding contributions to education in the broad field of concrete.

"in recognition of his many outstanding technical and administrative services to ACI, especially for his leadership of Committee 318"



James R. Cagley

(For bio see page 48)

The **Henry L. Kennedy Award** was established in 1958. 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.

Alfred E. Lindau Award



W. Gene Corley

"for his outstanding contributions to improving the art and science of concrete design practice, including design for seismic and blast loading effects, evaluation and rehabilitation of concrete structures, and leadership in ACI Committees and in developing the ACI 318 Building Code"

(For bio see page 49)

The **Alfred E. Lindau Award** — Presented for outstanding contributions to reinforced concrete design practice, this award is given in memory of Alfred E. Lindau, a past president of the Institute. Founded in 1947, the award is open to any and all persons, firms, or corporations involved in concrete design.

Henry C. Turner Medal



George F. Leyh

"for his outstanding leadership in administration and technical activities of ACI over many years, resulting in the fundamental soundness of the Institute"

(For bio see page 49)

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.



"for his significant contributions to the concrete industry in design, production, and use of structural lightweight concrete components"



Alexander M. Vaysburd

(For bio see page 50)

The **Cedric Willson Award** — Approved in 1976 to recognize the many contributions of Cedric Willson, this award is given for service in the areas of lightweight aggregate, lightweight concrete, and lightweight concrete masonry. The award is for outstanding contributions in one or more of these areas: any person, firm, or organization is eligible.

ACI Young Member Award for Professional Achievement

"for service on ACI's educational committees and contributions in advancing the goals and objectives of the Institute at the local and national levels"



Debrethann R. Cagley Orsak

(For bio see pages 50-51)

The **ACI Young Member Award for Professional Achievement** — ACI's newest honor, "for the purpose of recognizing the contributions of younger members of the Institute, and for professional achievement." Those selected must be Institute members, 35 years of age or younger at the time of the nomination.

ACI Young Member Award for Professional Achievement



Jean-Francois Trottier

"for contributions as a researcher, educator, and activities in the American Concrete Institute Atlantic Chapter"

(For bio see page 51)

The **ACI Young Member Award for Professional Achievement** — ACI's newest honor, "for the purpose of recognizing the contributions of younger members of the Institute, and for professional achievement." Those selected must be Institute members, 35 years of age or younger at the time of the nomination.

Wason Medal for Materials Research



Thomas D. Bush, Jr.

"for his paper 'Laboratory Test Procedures for Evaluating Concrete Treated With Sealers,' July-August 1998 *ACI Materials Journal*, which examines different test methods used to evaluate the performance of concrete treated with sealers"

(For bio see page 51)

The Wason Medal for Materials Research was founded in 1917 by Leonard G. Wason, past president of ACI. Any report of original research work on concrete materials and their uses, or a discovery that 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 co-authors become eligible for the award.



Wason Medal for Most Meritorious Paper

"for his co-authored paper, *'Predicting the Service Life of Concrete Marine Structures: An Environmental Methodology.'* March-April 1998 *ACI Structural Journal*, which incorporates surface environment, chloride transport, temperature effects, seasonal effects, and construction variability into a rational service life prediction approach for concrete structures"



Stephen L. Amey

(For bio see pages 51-52)

The Wason Medal for 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 co-authored 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.



Wason Medal for Most Meritorious Paper

"for his co-authored paper, *'Predicting the Service Life of Concrete Marine Structures: An Environmental Methodology.'* March-April 1998 *ACI Structural Journal*, which incorporates surface environment, chloride transport, temperature effects, seasonal effects, and construction variability into a rational service life prediction approach for concrete structures"



Dwayne A. Johnson

(For bio see page 52)

The Wason Medal for 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 co-authored 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.



Matthew A. Miltenberger

“for his co-authored paper, *‘Predicting the Service Life of Concrete Marine Structures: An Environmental Methodology,’* March-April 1998 *ACI Structural Journal*, which incorporates surface environment, chloride transport, temperature effects, seasonal effects, and construction variability into a rational service life prediction approach for concrete structures”

(For bio see page 52)

The Wason Medal for 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 co-authored 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.



Hamid Farzam

“for his co-authored paper, *‘Predicting the Service Life of Concrete Marine Structures: An Environmental Methodology,’* March-April 1998 *ACI Structural Journal*, which incorporates surface environment, chloride transport, temperature effects, seasonal effects, and construction variability into a rational service life prediction approach for concrete structures”

(For bio see page 52)

The Wason Medal for 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 co-authored 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.



ACI Construction Practice Award

"for his co-authored papers, 'Strengthening Concrete Structures: Parts I and II,' March and April 1998, *Concrete International*, which summarize skillfully the materials and methods now available for the repair and strengthening of concrete elements in our existing infrastructure"

(For bio see pages 16-17)



Peter H. Emmons

The **ACI Construction Practice Award** — Founded in 1944, the intent of this award is to enrich the literature in construction practice and to honor the construction worker whose resourcefulness produces a completed structure from drawings and specifications. Not restricted to members of the Institute.



ACI Construction Practice Award

"for his co-authored papers, 'Strengthening Concrete Structures: Parts I and II,' March and April 1998, *Concrete International*, which summarize skillfully the materials and methods now available for the repair and strengthening of concrete elements in our existing infrastructure"

(For bio see page 50)



Alexander M. Vaysburd

The **ACI Construction Practice Award** — Founded in 1944, the intent of this award is to enrich the literature in construction practice and to honor the construction worker whose resourcefulness produces a completed structure from drawings and specifications. Not restricted to members of the Institute.

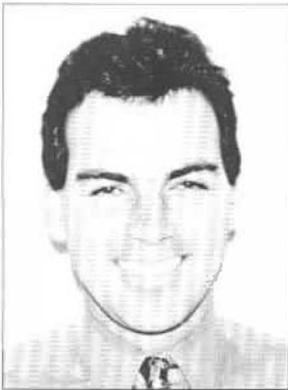


Jay Thomas

“for his co-authored papers, ‘*Strengthening Concrete Structures: Parts I and II*,’ March and April 1998, *Concrete International*, which summarize skillfully the materials and methods now available for the repair and strengthening of concrete elements in our existing infrastructure”

(For bio see page 52)

The ACI Construction Practice Award — Founded in 1944, the intent of this award is to enrich the literature in construction practice and to honor the construction worker whose resourcefulness produces a completed structure from drawings and specifications. Not restricted to members of the Institute.



Robert K. Dowell

“for his co-authored paper ‘*Pivot Hysteresis Model for Reinforced Concrete Members*,’ September-October 1998, *ACI Structural Journal*, which describes the development of a simplified approach for modeling the nonlinear behavior of reinforced concrete bridge structures subjected to earthquakes”

(For bio see page 53)

The ACI Structural Research Award — Awarded to authors of a paper published by the Institute that describes a notable achievement in research related to structural engineering and that recommends how the research can be applied to design.

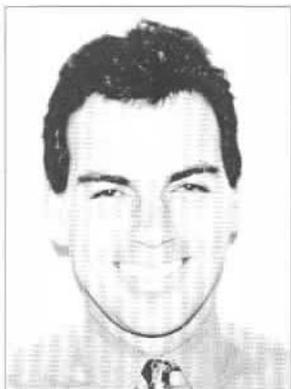


Jay Thomas

“for his co-authored papers, *“Strengthening Concrete Structures: Parts I and II,”* March and April 1998, *Concrete International*, which summarize skillfully the materials and methods now available for the repair and strengthening of concrete elements in our existing infrastructure”

(For bio see page 52)

The **ACI Construction Practice Award** — Founded in 1944, the intent of this award is to enrich the literature in construction practice and to honor the construction worker whose resourcefulness produces a completed structure from drawings and specifications. Not restricted to members of the Institute.



Robert K. Dowell

“for his co-authored paper ‘*Pivot Hysteresis Model for Reinforced Concrete Members,*’ September-October 1998, *ACI Structural Journal*, which describes the development of a simplified approach for modeling the nonlinear behavior of reinforced concrete bridge structures subjected to earthquakes”

(For bio see page 53)

The **ACI Structural Research Award** — Awarded to authors of a paper published by the Institute that describes a notable achievement in research related to structural engineering and that recommends how the research can be applied to design.



ACI Structural Research Award

"for his co-authored paper '*Pivot Hysteresis Model for Reinforced Concrete Members*,' September-October 1998, *ACI Structural Journal*, which describes the development of a simplified approach for modeling the nonlinear behavior of reinforced concrete bridge structures subjected to earthquakes"



Frieder Seible

(For bio see page 53)

The **ACI Structural Research Award** — Awarded to authors of a paper published by the Institute that describes a notable achievement in research related to structural engineering and that recommends how the research can be applied to design.



ACI Structural Research Award

"for his co-authored paper '*Pivot Hysteresis Model for Reinforced Concrete Members*,' September-October 1998, *ACI Structural Journal*, which describes the development of a simplified approach for modeling the nonlinear behavior of reinforced concrete bridge structures subjected to earthquakes"



Edward L. Wilson

(For bio see page 53)

The **ACI Structural Research Award** — Awarded to authors of a paper published by the Institute that describes a notable achievement in research related to structural engineering and that recommends how the research can be applied to design.



Amin Ghali

"for his co-authored paper, 'Anchoring with Double-Head Studs,' November 1998 *Concrete International*, describing nine practical applications in reinforcing concrete construction where double-head studs are more effective than conventional stirrups"

(For bio see page 53)

The ACI Structural Engineering Award recognizes advanced concepts and techniques related to structural engineering.



Walter H. Dilger

"for his co-authored paper, 'Anchoring with Double-Head Studs,' November 1998 *Concrete International*, describing nine practical applications in reinforcing concrete construction where double-head studs are more effective than conventional stirrups"

(For bio see page 54)

The ACI Structural Engineering Award recognizes advanced concepts and techniques related to structural engineering.

★★★ Delmar L. Bloem Award for Distinguished Service

"in recognition of his administrative leadership and significant contributions to the Institute in guiding ACI Committee 318 through the revision of ACI 318-95 and adoption of ACI 318-99, and in adoption of ACI 318 by the International Code Council for IBC 2000"



James R. Cagley

(For bio see page 48)

The Delmar L. Bloem Award for Distinguished Service—In recognition of noteworthy work on ACI technical committees, this award goes to a current (or recent) chairman, or under special circumstances, to deserving individuals other than committee chairmen, for outstanding service. Created in 1969, then renamed 2 years later to memorialize Bloem for his outstanding contributions to the technical work of the Institute. Nominations come from the Technical Activities Committee and are approved by the Board.

★★★ Delmar L. Bloem Award for Distinguished Service

"for his initiative and leadership of ACI Committee 445, Shear and Torsion, resulting in the publication of ACI-ASCE 445R: *Recent Approaches to Shear Design of Structural Concrete*"



Julio A. Ramirez

(For bio see page 54)

The Delmar L. Bloem Award for Distinguished Service — In recognition of noteworthy work on ACI technical committees, this award goes to a current (or recent) chairman, or under special circumstances, to deserving individuals other than committee chairmen, for outstanding service. Created in 1969, then renamed 2 years later to memorialize Bloem for his outstanding contributions to the technical work of the Institute. Nominations come from the Technical Activities Committee and are approved by the Board.



William L. Barringer

"for his service to ACI International, the ACI New Mexico Chapter, and 33 years of service to the concrete industry"

(For bio see pages 54-55)

The **Chapter Activities Award** — Founded in 1975, this award recognizes outstanding service in the promotion and development of a chapter or chapters by a member of ACI International. Nominations come from the Chapter Activities Committee and are approved by the Board.

Concrete Research Council — Robert E. Philleo Award



**Venkataswamy
Ramakrishnan**

"for his outstanding contributions to concrete technology research and his role in increasing the knowledge of construction materials"

(For bio see page 55)

The **Concrete Research Council: Robert E. Philleo Award** — Given to an individual or 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. Established in 1992 by the Concrete Research Council of ACI's Concrete Research and Education Foundation (ConREF).

“in recognition of her outstanding accomplishments in research and teaching in the field of prestressed and precast concrete and service on behalf of the American Concrete Institute”



Catherine E. French

(For bio see page 56)

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.



CITATIONS OF EXCELLENCE

These awards are presented to Chapters that have achieved excellence in chapter activities and have made significant contributions to the activities of the American Concrete Institute.

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

Credit is given for hosting an ACI Convention for chapters in the United States and Canada but is not included in the point system for chapters in other nations.

For chapters in the United States and Canada, there are 57 possible points. Those chapters receiving 37 or more points are deemed to have achieved a ranking of "excellent." Those receiving a minimum of 29 points up to a maximum of 36 points are accorded "outstanding" ratings.

For international chapters — there are a possible 52 points. Those achieving at least 26 points are accorded "outstanding" status. A rating of at least 34 points is necessary for "excellent" honors.

EXCELLENT CHAPTERS

To be announced at the Awards Breakfast.

OUTSTANDING CHAPTERS

To be announced at the Awards Breakfast.

At the Awards Breakfast in San Diego, CA, the Portland Cement Association will recognize the winners of its first biennial "Concrete in Transit" awards competition. Citations will be presented for "excellence in the design and construction of concrete public transit facilities" including those for bus, paratransit, commuter, and Intercity rail.

Eligible projects for the 2000 Awards were essentially completed between January 1998 and October 1999 and are located within the boundaries of the United States and Canada. Two classifications of projects will be recognized: 1) those with the use of concrete as a continuous system-wide feature, including guideways, stations, trackwork, and supporting structures; and 2) those with the use of concrete as a principal material in a stand-alone project within a transit entity such as those for intermodal facilities, shelters, platforms, and parking structures. Judging criteria were based on creativity, transferability, aesthetics, economics, and functionality.

An announcement of the "Concrete in Transit" awards for 2000 will be made at the Breakfast in San Diego. PCA's biennial awards for outstanding bridges will continue at the Awards Breakfast during the March 2001 convention in Philadelphia, PA.



HONORARY MEMBERSHIP — I, Leon Glassgold (*see page 6*).

HONORARY MEMBERSHIP — Charles G. Salmon (*see page 7*).

HONORARY MEMBERSHIP — John M. Scanlon, Jr. (*see page 8*).

HONORARY MEMBERSHIP — Loring A. Wyllie, Jr. (*see page 9*).

FELLOWS

George B. Barney is currently a member of ACI's Board of Direction, serving a 3 year term that began in the spring of 1998. Vice President of Market Development and Technical Services for the Portland Cement Association, he has been with that trade association, based in Skokie, IL, for nearly 30 years. He joined PCA as a research engineer in 1970, moved to the market development section in 1978, and held a variety of positions prior to his current assignment in 1989. Barney is Chairman of ACI's Membership Committee, a current member of the Chapter Activities Committee, formerly served on Committee 530, Masonry Standards, and also serves as Chairman of the Environmental Council of Concrete Organizations (ECCO). He holds engineering degrees from Tufts University and Northwestern University.

D. J. Belarbi is Associate Professor of Civil Engineering, University of Missouri, Rolla, MO, and has been on the faculty there for 10 years. He chairs ACI Committee E 801, Student Concrete Projects, and serves on Committees 343, Concrete Bridge Design; 440, Fiber Reinforcement; 445, Shear and Torsion; E 802, Teaching Methods; and the Certification Programs Committee. He is a past president, a current board member, and Chairman of Student Activities of ACI's Missouri Chapter. Belarbi has received numerous awards for teaching and research excellence at the university and in 1995 was presented with an outstanding paper award for authorship of a technical paper published in the *Earthquake Spectra Journal* of the Earthquake Engineering Research Institute.

Darrell F. Elliot is Technical Services Manager, Lone Star Industries, Inc., New Orleans, LA. He is a member of Committees 118, Use of Computers; 211, Proportioning Mixes; 233, Ground Slag in Concrete; 305, Hot Weather Concreting; E 701, Materials for Concrete Construction; and certification committees on programs and field technician certification. He also serves on a number of ASTM committees including C-1 on Cement, and C-9 on Concrete and Concrete Aggregates. A past president and former director of the Louisiana Chapter, Elliot has been involved in the ACI certification



program since its inception, is certified in three phases, and is an examiner for other programs. A graduate of the University of New Orleans, he has been associated with the construction industry for more than 25 years and is currently Chairman of the Technical Committee of the Concrete and Aggregates Association of Louisiana.

Jerome H. Ford is Director of Technical and Educational Services for Dayton Superior Corp., Oregon, IL, and has been involved in the construction industry for nearly 30 years. He currently serves on Committees 303, Architectural Concrete; 308, Curing; and 309, Consolidation, and is a former member of Committee 546, Repair. He is also an associate member of Committees 302, Construction of Concrete Floors, and serves on the Construction Liaison Committee. A general contractor before joining Symons Corp., Ford has participated as a speaker at numerous ACI educational seminars, especially those on troubleshooting of concrete problems. In 1997, he received the Institute's Construction Practice Award for authorship of a *Concrete International* paper on erecting formwork in congested areas.

Mette R. Geiker is Associate Professor of Structural Engineering and Materials, Technical University of Denmark, Copenhagen, Denmark. She is a member of Committees 231, Early Age Properties, and 365, Service Life Prediction, and was a founding member of ACI's Copenhagen Chapter, formerly the Denmark Chapter. She served as Chapter President for 2 years. Prior to joining the faculty at her alma mater last year, she was associated with COWI Consulting Engineers and Planners AS, Lyngby, Denmark, for about 8 years and was previously with G. M. Idorn Consult A/S, also of Denmark. Geiker was Chief Engineer of Concrete Technology for COWI and a consultant on numerous major projects in Europe, including the Great Belt Link and its east and west bridges between Denmark and Sweden. Before joining the Idorn firm in 1989, she was associated with a cement company in New Zealand and also Aalborg Cement, Denmark.

Hershell Gill is the President and Principal of Hershell Gill Consulting Engineers, Inc., Coral Gables, FL, and has been involved in structural design and construction in that state for nearly 30 years. An ACI member for about that same length of time, he was Chairman of Committee 421, Design of Slabs, and a member of Committee 318, Standard Building Code. Gill serves on Committee 318's subcommittees on general design and construction and two-way slabs. As a designer, he has been involved in the construction of numerous high-rise buildings, especially in Florida and other southern states.



M. R. Hansen is Associate Professor of Civil Engineering, South Dakota School of Mines and Technology, Rapid City, SD. He is a member of Committees E 802, Teaching Methods and Educational Materials, and C 610, Field Technician Certification. Long involved in the activities of the Dakota Chapter, he is currently Secretary-Treasurer of the Chapter. At SDSMT, he has been involved in continuing education in concrete, promoting and administering ACI's certification program, and teaching the materials aspects of concrete.

Mohsen A. Issa is Associate Professor of Civil Engineering, University of Illinois at Chicago, and has been on the faculty there for 13 years. He is a member of Committees 209, Creep and Shrinkage; 340, Design Aids; 343, Bridge Design; 444, Experimental Analysis; and is a former member of Committee 371, Pedestal Water Towers. He is a former chairman of Committee 340 and has received several awards for teaching and research, including the Harold A. Simon Award for teaching excellence from the university. Professor Issa is a member of numerous professional associations in addition to ACI, including the Precast/Prestressed Concrete Institute and the Transportation Research Board.

Gary J. Klein is Board Chairman, Executive Vice President, and a Principal of Wiss, Janney, Elstner, Inc. (WJE), Northbrook, IL, and has been associated with that engineering firm for more than 20 years. He serves on ACI Committee 318, Structural Building Code, and is Chairman of its subcommittee on strength and serviceability. He also serves on Committees 342, Evaluation of Bridges; 345, Bridge Construction and Maintenance; 445, Shear and Torsion; and is a former member of Committee 546, Repair of Concrete. Klein, who holds engineering degrees from the University of Illinois, Urbana, IL, was with Howard Needles Tammen and Bergendoff and McDonough Engineering, Inc., in Chicago, prior to joining WJE in 1979. With WJE he has participated in investigations of numerous failed or deteriorated structures including the walkway collapse at the Kansas City Hyatt Regency and the drafting of designs for repairs of such facilities. The author of numerous technical papers, including those on load capacity evaluations and concrete repairs, he has been WJE Executive Vice President and Board Chairman for 2 years and a Principal for one year.

Peter M. Maloney is Manager of Technical Services, Glens Falls Lehigh Cement Co., Glens Falls, NY, and has been associated with the cement industry for more than 35 years. An ACI member for nearly that same length



of time, he has been involved in ACI's Certification Program since its inception in the early 1980s. He is currently Chairman of Committee C 610, Field Technician Certification, and a member of Committee C 630, Construction Inspector Certification. Maloney, who has been with Lehigh for 13 years, also serves as an examiner for the Grade I Field Certification Program. A past president of the Institute's Eastern New York Chapter, he also serves on Committee 332, Residential Concrete.

S. K. Manjrekar is Managing Director of Sunanda Speciality Coatings Pvt. Ltd., Mumbai, India, and has been associated with the construction and chemicals industries in that nation for more than 20 years. He is a member of ACI's Chapter Activities Committee and is a life member of the Maharashtra India Chapter; he is now serving as president of that chapter and has served on the organizing committee for several national seminars sponsored by the chapter and the Institution of Engineers (India). He was on the 12-member international roundtable meeting at the ACI conferences in Hong Kong in 1992 and Singapore in 1994. Manjrekar is a member of the Indian Concrete Institute and other organizations and holds a Ph.D. from the University of Bombay, India.

LaGrit F. (Sam) Morris is Secretary-Treasurer of the Georgia Chapter, formerly the Atlanta Chapter, as well as Director of Administration for the Georgia Concrete and Products Association, Inc., both headquartered in Tucker, GA. She has been associated with the Georgia Concrete and Products Association, Inc. for more than 23 years. With the Georgia Chapter, she has received a number of honors, including designation as a distinguished chapter member on a number of occasions. She is a member of the Institute's Chapter Activities Committee and the Convention Committee. She was vice chairman of the chapter convention committee for the 1996 fall meeting in Atlanta and is also involved in ACI certification programs in the Georgia area.

Charles K. Nmai is Chief Engineer, Master Builders, Inc., and has been with that Cleveland-based construction chemicals firm for 13 years, formerly serving as Senior Technical Manager. He is currently Chairman of Committees E 701, Materials for Concrete Construction, and 222, Corrosion of Metals. Nmai also serves on Committees 201, Durability of Concrete, and 363, High-Performance Concrete. He has been extensively involved in ACI's educational seminars program, serving as an instructor at sessions on practical concrete materials for designers and specifiers.



Clifford R. Ohlwiler is Engineering Manager of the Utility Vault Co., a division of Oldcastle Precast, Inc., Fontana, CA, and has been associated with the construction industry for more than 20 years. He has been with Utility Vault since 1991 and previously was Technical Services Engineer for the Transit Mixed Construction Co. Ohlwiler is a past president of ACI's Southern California Chapter and a member of Committees 363, High-Strength Concrete; 543, Concrete Piles; and 550, Precast Structures. He has also served as an examiner for ACI certification programs.

Brian J. Pashina, a member of the Institute for more than 20 years, is a Consultant and Unit Manager of Wiss, Janney, Eistner Associates, Inc., in Minneapolis, MN. Associated with the construction industry for nearly 30 years, he is a former president and director of ACI's Iowa-Minnesota Chapter and is a former chairman and a current member of Committee 437, Strength Evaluation. Pashina also serves on Committee 302, Construction of Concrete Floors, and formerly served on Committee 364, Rehabilitation. He was involved in establishing the chapter's training program for certification of Concrete Field Testing Technicians Grade I and has served as an examiner for that program. In 1984 he received an outstanding service award from the chapter and has also been involved in the planning for the annual Minnesota Concrete Conference.

David H. Sanders is Associate Professor of Engineering, University of Nevada, Reno, NV, and has been on the faculty there for 10 years. He is currently Chairman of Committee 341, Earthquake-Resistant Concrete Bridges; Secretary of Committee 445, Shear and Torsion; and also serves on Committees 318, Standard Building Code; 423, Prestressed Concrete; 363, High-Strength Concrete; and 544, Fiber Reinforced Concrete. He joined the faculty at Reno in 1990 after serving as research engineer and research assistant at the Ferguson Structural Engineering Laboratory, University of Texas at Austin, where he received Master's and Ph.D. degrees. Sanders is Associate Editor of the *ASCE Journal of Bridge Engineering* and has authored numerous technical papers, many of them on seismic behavior and retrofitting.

John J. Schemmel is Professor, Department of Civil Engineering, University of Arkansas, Fayetteville, AR, and is currently a member of ACI's Educational Activities Committee. He also serves on the ConREF Scholarship Council and Committees E 802, Teaching Methods and Educational Materials; E 803, Faculty Network Coordinating Committee; C 610, Field Technician Certification;



and 343, Concrete Bridge Design. A member of ACI's Arkansas Chapter, Schemmel has been extensively involved in the Institute's certification program and developed the field testing program now being used by the Arkansas Highway and Transportation Department. He joined the faculty at Arkansas in 1988 and advanced to full professorship in August 1999.

Bahram M. Shahrooz is Associate Professor of Civil Engineering at the University of Cincinnati, Cincinnati, OH, and has been on the faculty there for 11 years. He is a member of Committees 335, Composite and Hybrid Structures; 352, Joints and Connections; 408, Bond and Development; 440, Fiber Reinforcement; and 442, Response to Lateral Forces; and is a former member of Committee 368, Earthquake Resisting Systems. He is a former chairman of Committee 335. He joined the faculty at Cincinnati after employment with SSD, Inc., Berkeley, CA.

Shamim A. Sheikh is Professor of Civil Engineering, University of Toronto, Toronto, Canada, and has been on the faculty there for 20 years. He is the Chairman of Committee 441, Columns, and also serves on Committee 374, Seismic Design. He formerly served on Committees 442, Lateral Forces, and 368, Earthquake Resisting Systems. At the Chicago Convention in 1999, he was presented with the ACI Structural Research Award for co-authorship of an *ACI Structural Journal* paper related to design of column ties.

W. Glenn Smoak is Principal of ECO Structural Systems LLC, Lakewood, CO, and has been a member of ACI for more than 20 years. He retired from the U.S. Bureau of Reclamation's Materials Engineering and Research Laboratory in 1997 after more than 30 years where he specialized in concrete polymer materials, concrete repair, and foundation grouting. He serves on Committees 210, Deterioration of Concrete in Hydraulic Structures; 503, Adhesives; 546, Repair of Concrete; 548, Polymers; and 552, Cement Grouting. While with the USBR, he authored the Bureau's "Guide to Concrete Repair" and "Standard Specifications for Repair of Concrete."

Richard D. Stehly is Principal of American Engineering Testing, Inc., St. Paul, MN, and is the current Chairman of ACI's Chapter Activities Committee. A member of ACI for nearly 20 years, he also serves on the Financial Advisory Committee and the Strategic Planning Overview Committee.



A former president and board member of the Iowa-Minnesota Chapter, Stehly served as chairman of the Iowa-Minnesota Chapter Convention Committee for the 1993 fall convention held in Minneapolis. He has been extensively involved in the applications of fly ash and formerly served on Committee 226, Fly Ash, Slag, and Other Supplemental Materials. Stehly, a civil engineering graduate of the University of Minnesota, was formerly President of Twin Cities Testing and Engineering, St. Paul, MN.

Eldon G. Tipping is President of Structural Services, Dallas, TX, and is the current Chairman of Committee 302, Construction of Concrete Floors. He also serves on Committees 227, Tolerances; 360, Design of Slabs, and 544, Fiber Reinforcement. He is recognized as a leading authority on tolerances and the design and construction of flat and superflat concrete floors. Tipping has been involved in the construction industry for nearly 30 years, specializing in concrete inspection and testing.

John W. Wallace is Associate Professor, University of California at Los Angeles (UCLA), and has been on the faculty there since 1996. Before moving to Los Angeles, he was assistant professor and then associate professor at Clarkson University, Potsdam, NY, joining the faculty there in 1989. He is a member of Committees 318, Standard Building Code; 335, Composite and Hybrid Structures; 352, Joints and Connections; 369, Seismic Repair and Rehabilitation; and 374, Seismic Design. Wallace was formerly chairman of Committee 368, Earthquake Resisting Structures, and also previously served on Committee 442, Response of Concrete Buildings.

ARTHUR R. ANDERSON AWARD

Peter H. Emmons is President, Structural Preservation Systems, Inc. (SPS), Baltimore, MD, the nation's largest contractor specializing in concrete repair and rehabilitation.

Now serving a 3-year term on ACI's Board of Direction, Emmons is a member of the Construction Liaison Committee, the Strategic Plan Overview Committee, and Committees 364, Rehabilitation, and 546, Repair of Concrete. A Fellow of the Institute, he founded SPS nearly 25 years ago and estimates that he has been involved in more than 5000 major concrete repair projects since then.

A member and former President of the International Concrete Repair Institute, he has been extensively involved in the drafting and publication of



He served on Committees 318, Standard Building Code; 352, Joints and Connections in Monolithic Concrete Structures; and 374, Performance-Based Seismic Design of Concrete Buildings, and also serves on the Advisory Committee for Technical Committee 71, ISO. He formerly served on Committee 442, Response of Concrete Buildings to Lateral Forces.

Long active in the activities of ACI's Colombia Chapter, he is a former director of the chapter and in 1992 was named a "distinguished member" of that chapter. Garcia formerly served on the Chapter Activities Committee.

He has been involved in Colombian and South American code and standardization activities for more than 30 years and is a former chairman of the reinforced concrete committee that developed new building standards for that nation following the 1983 Popayan earthquake there. Garcia is also a former president of the Colombia Association for Earthquake Engineering.

He has been a member of ACI since his graduate student days at the University of Illinois. He received an undergraduate degree at the University of Bogota before enrolling at Illinois.

HENRY L. KENNEDY AWARD

James R. Cagley is Principal and President of Cagley Associates, consultants of Rockville, MD, specializing in the structural engineering of buildings. He is also President of the Cagley Group.

A former member of ACI's Board of Direction and the Technical Activities Committee, he is now Chairman of Committee 318, which last year completed the drafting and publication of the 1999 edition of the Building Code for Structural Concrete. This code has been adopted by reference in the International Building Code which is making its first appearance in the year 2000.

A Fellow of ACI, Cagley also serves on Committee 352, Joints and Connections in Monolithic Concrete Structures, and the Advisory Committee for Technical Committee 71, ISO. He is a former member of the Financial Advisory Committee and the Committee on Responsibility in Concrete Construction.

A year ago at the Chicago convention, he was a co-recipient of the Henry L. Kennedy Award for "significant contributions" as a member of the ACI Construction Oversight Committee. This committee was involved in the design and construction aspects of the new ACI headquarters building completed in 1996.

At the San Diego convention, Cagley is also to receive a Delmar L. Bloem Distinguished Service Award for his "administrative leadership" and "significant contributions" in the adoption of 318-99 and its inclusion in the IBC.



ALFRED E. LINDAU AWARD

W. Gene Corley is Vice President of Construction Technology Laboratories, a subsidiary of the Portland Cement Association, Skokie, IL, and has been with that association for more than 35 years.

He is a former chairman of ACI Committee 318, Standard Building Code, and remains as a member and is also a member of Committees 341, Earthquake-Resistant Concrete Bridges, and 343, Concrete Bridge Design. Corley also chairs the Advisory Committee to Technical Committee 71, ISO.

A Fellow and former member of both the Board of Direction and the Technical Activities Committee, he joined PCA in 1964 following 3 years with the U.S. Army Corps of Engineers and engineering graduate studies at the University of Illinois.

His honors include the Henry C. Turner Medal in 1989 for "outstanding contributions" and "leadership" in structural design and development of codes and standards.

Other honors include a Wason Medal for Materials Research in 1970, a Delmar L. Bloem Distinguished Service Award in 1978, the Reese Structural Research Award in 1986, and the Arthur J. Boase Award of the Reinforced Concrete Research Council that same year.

HENRY C. TURNER MEDAL

George F. Leyh, of Bloomfield Hills, MI, retired in 1998 after nearly 23 years as the Executive Vice President of ACI.

After service with the Concrete Reinforcement Steel Institute and the Portland Cement Association, Leyh assumed the top operations post at ACI in 1975. During his tenure, a new headquarters building in Farmington Hills, MI, was erected and several new programs, including those of certification and strategic planning, were launched.

As the Institute's chief staff officer, he was an ex-officio member of both the Board of Direction and the Executive Committee. Leyh also served on the board of the American National Standards Institute and the American Society for Concrete Construction. A Fellow of ACI, he was Chairman of ACI Committee 318, Standard Building Code, at the time of his appointment in 1975.

His honors include a Delmar L. Bloem Distinguished Service Award in 1972 for his service on Committee 318 and other Institute committees.

A native of upper New York state, he received engineering degrees from Cornell University, Ithaca, NY, and was with engineering firms in New York and Chicago before joining PCA and then CRSI prior to moving to ACI.



CEDRIC WILLSON AWARD

Alexander M. Vaysburd is Director of Research and Development, Structural Preservation Systems, Inc., Baltimore, MD, and has been associated with the concrete industry for more than 40 years.

He is a member of Committees 213, Lightweight Aggregates and Concrete; 364, Rehabilitation; and 546, Repair of Concrete.

In 1996, he and Peter H. Emmons and James E. McDonald, of the Waterways Experiment Station, Vicksburg, MS, shared the Wason Medal for Most Meritorious Paper for a *Concrete International* paper on future challenges in concrete repair.

At the San Diego convention, Vaysburd is also to receive, with Peter Emmons and Jay Thomas, also of SPS, the ACI Construction Practice Award for a two-part paper published in *Concrete International* on strengthening concrete structures.

Vaysburd received engineering degrees at the Civil Engineering Institute, Kiev, Russia, and ZNEEP, Selstroy, Moscow, and taught at the Polytechnical Institute in Tashkent, U.S.S.R., before immigrating to the United States in 1980.

ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

Debrethann R. Cagley Orsak is a Principal and Vice President of Cagley & Associates, consulting engineers of Rockville, MD, and has been with that firm for 13 years.

At the San Diego convention, she will conclude a 3-year term as a member of ACI's Board of Direction. She also serves on the Educational Activities Committee; the Convention Committee; the Scholarship Council; E 702, Designing Concrete Structures; E 801, Student Activities; the 100th Year Anniversary Task Group; and Committee 435, Deflection of Concrete Building Structures. She is now Chairman of the Centennial Committee and Secretary of Committee 435.

She formerly served on the Membership Committee; Committee 362, Parking Structures; and was Student Activities Chairman for the 1992 spring convention in Washington, DC, where the first official Student Day program was held with mentors and a student luncheon.

With Cagley & Associates, in addition to her duties in business development, she has had considerable experience in new construction as well as renovation of existing facilities. These include several projects for the federal government, including the restoration of the Statue of Freedom atop the U.S. Capitol Dome in Washington.



She received a Bachelor's degree in civil engineering from West Virginia University, a Master's degree from Cornell University, and was a field engineer for a concrete contractor in the Washington area prior to joining Cagley & Associates.

ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

Jean-Francois Trottier is Associate Professor of Engineering, Dalhousie University, Halifax, Nova Scotia, and has been on the faculty there for 7 years.

He is a member of Committee 544, Fiber Reinforced Concrete, and has specialized in research on static and impact behavior of fiber reinforced cement-based materials. As noted in the citation, he has been an active member of ACI's Atlantic Chapter since joining the Institute.

In 1997, he shared the Wason Medal for Materials Research for co-authorship of *ACI Materials Journal* papers on toughness characteristics of fiber reinforced concrete. Prior to joining the Dalhousie faculty, he received a Ph.D. in civil engineering from Laval University, Quebec City, Canada.

WASON MEDAL FOR MATERIALS RESEARCH

Thomas D. Bush, Jr., is Assistant Professor, School of Engineering and Environmental Science, University of Oklahoma, Norman, OK, and has been on the faculty there since 1986.

He is a member of ACI Committee 369, Seismic Repair and Rehabilitation.

The research, conducted with the support of the Oklahoma Department of Transportation and the Federal Highway Administration, examined the performance of a single sealer, silane, as measured by a test series specified by the state agency and the NCHRP 244 Series II test method.

WASON MEDAL FOR MOST MERITORIOUS PAPER

Stephen L. Amey was Group Technology Manager for Admixture Product Development, Master Builders, Inc., Cleveland, OH, at the time the paper was written. He is now Regional Technical Manager for MBT (Master Builders Technology) Asia Pacific, Singapore.

With the construction chemicals firm for 8 years, he is a member of ACI Committees 222, Corrosion of Metals in Concrete, and 365, Service Life Prediction, and also serves on a number of committees of ASTM and NACE International.



He holds a Bachelor's degree in chemistry-physics from Reed College, Portland, OR, and a Master's and Ph.D. in materials science and engineering from Case Western Reserve University, Cleveland, OH.

Dwayne A. Johnson is Engineering Manager and Process Engineer for Hexcel Composites, Cleveland, OH.

He has been with the firm for 3 years and holds chemical engineering degrees from Case Western Reserve University, Cleveland, OH.

Matthew A. Miltenberger is Senior Project Engineer at Master Builders, Inc., (SKW-MBT, Inc.) Cleveland, OH, and has been with the firm for 6 years.

He is a member of ACI Committees 222, Corrosion of Metals in Concrete; 355, Anchorage to Concrete; and 365, Service Life Prediction. He also serves on ASTM and PCI technical committees and holds civil engineering degrees from the University of Maryland.

Hamid Farzam is Technical Director, Business Development at Master Builders, Inc., Cleveland, OH, and has been with the firm for 14 years.

He is currently Chairman of ACI Committee 116, Terminology and Notation, and serves on Committees 212, Chemical Admixtures; 222, Corrosion of Metals in Concrete; 229, Controlled Low-Strength Materials (CLSM); 232, Fly Ash and Natural Pozzolans in Concrete; and 523, Cellular Concrete. Farzam is also Chairman of an ASTM subcommittee on chemical admixtures and a member of other ASTM committees and subcommittees.

ACI CONSTRUCTION PRACTICE AWARD

Peter H. Emmons (*for bio see pages 46-47.*)

Alexander M. Vaysburd (*for bio see page 50.*)

Jay Thomas is Vice President of Sales for Structural Preservation Systems, Inc., and has been with the firm for 18 years.

He is a member of ACI Committees 440, Fiber Reinforced Polymer Reinforcement, and 546, Repair of Concrete, and is also a member of the International Concrete Repair Institute. Thomas, an engineering graduate of the University of Pennsylvania, has been involved in more than 100 composite strengthening projects while with SPS.



ACI STRUCTURAL RESEARCH AWARD

Robert K. Dowell is Senior Engineer with ANATECH Corp., San Diego, CA, where he has been involved in the application of advanced analysis tools for structural purposes. At the time the research was conducted and the paper written, he was a graduate research assistant at the University of California, San Diego (UCSD). He also serves as a lecturer at that university.

Before undertaking graduate studies at UCSD, he was a bridge engineer with the California Department of Transportation (CALTRANS) and was involved in the retrofit design of numerous highway structures in that state. These include the rebuilding of the Cypress Street Viaduct in Oakland that collapsed during the 1989 Loma Prieta earthquake.

While at UCSD, he was associated with Frieder Seible and M. J. N. Priestley on research into the practical use of nonlinear time-history analysis methods for seismic and retrofit design of reinforced concrete bridges. All three of his engineering degrees came from UCSD.

Frieder Seible is Chairman of the Department of Structural Engineering and Engineering Professor at the University of California, San Diego, CA, and has been on the faculty there for 16 years.

He is currently a member of ACI Committees 334, Concrete Shell Design and Construction; 341, Earthquake-Resistant Concrete Bridges; 343, Concrete Bridge Design; and 437, Strength Evaluation of Existing Concrete Structures.

Edward L. Wilson is Professor Emeritus of Structural Engineering, University of California, Berkeley, CA, where he was on the faculty from 1965 to 1991. He has been involved in the development of numerous computer programs that are extensively used in civil and mechanical engineering.

ACI STRUCTURAL ENGINEERING AWARD

Amin Ghali is Professor of Civil Engineering, University of Calgary, Calgary, Alberta, Canada, and has been on the faculty there for more than 40 years.

A Fellow of the Institute, he serves on Committees 343, Concrete Bridge Design; 373, Circular Concrete Structures Prestressed With Circumferential Tendons; 421, Design of Reinforced Concrete Slabs; and 435, Deflection of Concrete Building Structures. He is also a consulting member of the Committee 318 subcommittee on shear and torsion.



Walter H. Dilger retired from the engineering faculty at the University of Calgary, Calgary, Alberta, Canada, in 1997 and was given emeritus status. He had been on the faculty for 33 years.

A Fellow of ACI, he was a member of Committees 209, Creep and Shrinkage in Concrete, and 445, Shear and Torsion.

His honors include the T. Y. Lin Award for an outstanding paper on prestressed concrete and PCI's Martin P. Korn Award in 1973, also for a paper on prestressed concrete. In 1994, he was named a Fellow of the Royal Society of Canada.

DELMAR L. BLOEM AWARD FOR DISTINGUISHED SERVICE

James R. Cagley (*for bio see page 48.*)

Julio A. Ramirez, Professor of Engineering and Assistant Department Head, School of Civil Engineering, Purdue University, West Lafayette, IN, has served on Committee 445, Shear and Torsion, since 1985 and concluded a 6-year term as its chairman in 1999.

He has been on the faculty at Purdue for 16 years and also serves on Committees 318, Standard Building Code, and its subcommittee on flexure and axial loads; 408, Bond and Development of Reinforcement; 423, Prestressed Concrete; and the Publications Committee.

A Fellow of the Institute, Ramirez received engineering degrees from Universidad Nacional Autonoma de Mexico and the University of Texas before moving to Purdue in 1983.

CHAPTER ACTIVITIES AWARD

William L. Barringer is a Research Engineer, New Mexico State Highway and Transportation Department, Albuquerque, NM, and has been with that state agency for 7 years.

The founder and first president of ACI's New Mexico Chapter, he was its first president and again served as president in 1995. He was presented with the Distinguished Chapter Member Award for his service to the chapter and the concrete industry in 1993.

Now the Secretary-Treasurer of the chapter, he was also instrumental in the establishment of the chapter's certification programs and has served as an examiner for both the field technician and construction inspector program.



A Fellow of ACI, he is a member of the TAC Specifications Committee, and Committees 211, Proportioning Concrete Mixtures, and 214, Evaluation of Results of Tests Used to Determine the Strength of Concrete. Prior to joining the highway agency, he was a quality control engineer for the Albuquerque Gravel Products Co. for more than 20 years.

CONCRETE RESEARCH COUNCIL: ROBERT E. PHILLEO AWARD

Venkataswamy Ramakrishnan is Distinguished Professor at South Dakota School of Mines and Technology, Rapid City, SD, and has been on the faculty there for more than 30 years.

A Fellow of ACI, he serves on the International Conference Executive Steering Committee, and Committees 123, Research and Current Developments; 214, Evaluation of Results of Tests Used to Determine the Strength of Concrete; 440, Fiber Reinforced Concrete Reinforcement; 506, Shotcreting; and 544, Fiber Reinforced Concrete. He is a former member of numerous other technical committees, including 318 and its subcommittee on general applications of structural concrete.

He has been an active member of ACI's Dakota Chapter since its founding and is a former president and long-time secretary-treasurer of that chapter. In 1994, the chapter honored him with its National Achievement Award.

Widely known for his travels and participation in international conferences, "Dr. Rama" has aided in the organization of and presented papers at more than 200 such conferences. He recently assisted in putting together the First International Conference on Concrete in Mongolia to assist that nation in the repair and renovation of its deteriorating transportation infrastructure, long neglected during decades of Soviet domination.

Educated at the University of Madras, India, he studied engineering at Imperial College, University of London, before returning to Madras as professor. In 1969, he served as visiting professor at SDSM&T where he was persuaded by Professor Shu-Tien Li to remain; he later was offered tenure and chairmanship of the school's civil engineering department.

A member of numerous technical and professional associations, Ramakrishnan is widely known for his research on fiber composites and concrete technology and has been a consultant on numerous major design and construction projects worldwide.



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

Catherine E. French is a Professor of Civil Engineering, University of Minnesota, Minneapolis, MN, and has been on the faculty there for 16 years.

At the San Diego convention, she will conclude a 3-year term as a member of ACI's Board of Direction. A Fellow of ACI, she is also a past president and former board member of the Institute's Iowa-Minnesota Chapter.

She is a member of Committee 318, Standard Building Code, and also serves on Committees 352, Joints and Connections in Monolithic Concrete Structures; 368, Earthquake-Resisting Concrete Structural Elements and Systems; and 445, Shear and Torsion. She is the Secretary of Committee 445 and held a similar position with the local committee for the 1993 fall convention in Minneapolis.

Honors received include the ASCE Raymond C. Reese Research Prize and the Presidential Young Investigator Award of the National Science Foundation.

In 1995, she received an Erskine Fellowship from the University of Canterbury, Christchurch, New Zealand, and a Fulbright Travel Fellowship for seismic engineering studies at that university.

She received a Bachelor's degree from the University of Minnesota and graduate degrees from the University of Illinois before returning to Minnesota to join the faculty there in 1984.

A	Stephen L. Arney	3, 29, 51, 52
B	George B. Barney	2, 12, 40
	William L. Barringer	3, 36, 54, 55
	D. J. Belarbi	2, 12, 40
	Boris Broster'	2, 20
	Thomas D. Bush, Jr.	3, 28, 51
C	James R. Cagley	2, 3, 25, 35, 48, 54
	Kuang-Han Chu	2, 20
	W. Gene Corley	2, 26, 49
D	Walter H. Dilger	3, 34, 54
	Robert K. Dowell	3, 32, 53
E	Darrell F. Elliot	2, 12, 40, 41
	Peter H. Emmons	2, 3, 24, 31, 46, 47
	Robert A. Epitano	2, 24, 47
F	Hamid Farzam	3, 30, 52
	Jerome H. Ford	2, 12, 41
	Catherine E. French	3, 37, 56
G	Luis E. Garcia	2, 25, 47, 48
	James R. Gaston	2, 20
	Metle R. Geiker	2, 13, 41
	Amin Ghall	3, 34, 53
	Hersnell Gill	2, 13, 41
	t. Leon Glassgold	2, 6, 40
	Gilberto F. Guardia	2, 21
H	M. R. Hansen	2, 13, 42
	Walter E. Hanson	2, 20
	George L. Henderson	2, 20
	Eddy N. Hernandez	2, 20
I	Monsen A. Issa	2, 13, 42
J	Dwayne A. Johnson	3, 29, 52
K	Gary J. Klein	2, 14, 42



L	George F. Leyh	2, 26, 49
	T. Y. Lin	2, 21
	A. Murray Lount	2, 21
M	Peter M. Maloney	2, 14, 42, 43
	S. K. Manjrekar	2, 14, 43
	Matthew A. Miltonberger	3, 30, 52
	Robert E. Moorhead	2, 21
	LaGril F. (Sam) Morris	2, 14, 43
N	Charles K. Nmai	2, 15, 43
O	Clifford R. Ohlweiler	2, 15, 44
	Debrethann R. Cagley Orsak	3, 27, 50, 51
P	Richard A. Parmalee	2, 21
	Brian J. Pashina	2, 15, 44
	Ray A. Pinnell, Jr.	2, 21
R	Venkataswamy Ramakrishnan	3, 36, 55
	Julio A. Ramirez	3, 35, 54
S	Charles G. Salmon	2, 7, 40
	David H. Sanders	2, 15, 44
	John M. Scanlon, Jr.*	2, 8
	John J. Schemmel	2, 16, 44, 45
	Frieder Seible	3, 33, 53
	Bahram M. Shahrooz	2, 16, 45
	Shamim A. Sheikh	2, 16, 45
	W. Glenn Smoak	2, 16, 45
	Richard D. Stehly	2, 17, 45, 46
	John Douglas Sykes, Jr.	2, 21
T	Jay Thomas	3, 32, 52
	Eldon G. Tipping	2, 17, 46
	Jean-Francois Trotter	3, 28, 51
V	Alexander M. Vaysburd	2, 3, 27, 31, 50
W	John W. Wallace	2, 17, 46
	Edward L. Wilson	3, 33, 53
	Loring A. Wylie, Jr.	2, 9, 40



Congratulations
ACI
2000
Awardees!