ASTM News

Committee C-1 Award

David C. Stark of the Portland Cement Association is the 1980 recipient of ASTM's P. H. Bates Memorial Award. Stark received the award at a December 1980 meeting in Orlando, Fla. of ASTM Committee C-1 on Cement, where he was cited for his paper entitled "Alkali-Silica Reactivity: Some Reconsiderations." The paper was in the Winter 1980 issue of Cement, Concrete, and Aggregates.

Stark's career with PCA began in 1961. He worked at various research levels as a petrographer in the Field Research Section and the Concrete Materials Research Department from 1961 to 1978, when he assumed his present position as principal research petrographer in that department. He is involved with research and technical service work on all aspects of concrete durability, as well as research in cement manufacture. He is the author of many papers dealing with the freeze-thaw durability of concrete, corrosion of reinforcing steel in concrete, alkali-aggregate reactivity, and sulfate attacks on concrete.

In addition to ASTM, Stark is a member of the American Concrete Institute and the Transportation Research Board. He holds a B.S. degree in geology, which he received from the University of Wisconsin in 1958.

Committee C-9 Award

Howard T. Arni, a retired highway research engineer, is the 1980 recipient of ASTM's Frank E. Richart Award. Arni received the award at a December 1980 meeting in Orlando, Fla. of ASTM Committee C-9 on Concrete and Concrete Aggregates, where he was cited for his outstanding leadership in the development of methods for the acquisition, analysis, and application of data on concrete, aggregates, cement, and soils, especially standards for precision statements and interlaboratory testing.

Arni's professional career included a position as a highway research engineer with Federal Highway Administration in Washington, D.C., from 1969 through 1976. Before this, he worked as a materials engineer at the National Bureau of Standards. His research efforts focused on concrete, especially freeze-thaw durability and the use of statistics in concrete testing. He has authored numerous papers and articles in his field.

Arni was named an honorary member of Committee C-9 in 1977. In addition to ASTM, he is a member of the American Concrete Institute. He received his B.A. degree at the University of California at Santa Barbara in 1937.

Task Group

A task group of Subcommittee C09.02.08 on Concrete for Radiation Shielding is working to characterize boron frit aggregate for concrete used for radiation shielding. Requirements for the material are to be incorporated in C 637, the Specification for Aggregates for Radiation-Shielding Concrete, and C 638, Descriptive Nomenclature of Constituents of Aggregates for Radiation-Shielding Concrete. According to the task group chairman, M. Dean Keller of Los Alamos National Laboratory, the requirements are aimed at providing guidance to producers and users of boron-containing concrete, since slight alterations in physical properties and chemical composition can substantially alter the radiation-shielding and structural performance of the material. Because boron is capable of capturing thermal neutrons and emitting only low-energy gamma rays, boron-containing concrete has wide application in radiation environments, especially, says Keller, "where humans interface with reactors, accelerators, or other equipment that emits neutrons." The subcommittee is part of ASTM Committee C-9 on Concrete and Concrete Aggregates. For further information, contact M. Dean Keller, Los Alamos National Laboratory, 533 Rover Blvd., Los Alamos, N. Mex. 87545 (505/667-4657), or Kenneth C. Pearson, ASTM Standards Development Division, 1916 Race St., Philadelphia, Pa. 19103 (215/299-5520).

Promotions

David L. Kantro has been named director, Admixture Research at Master Builders, Division of Martin Marietta Corporation. He will direct the activities of 40 members of Admixture Research, with special emphasis on cement hydration chemistry. Kantro was with the Portland Cement Association in Skokie, Ill. for 28 years, where he became principal research chemist in 1972. His doctorate in Physical Chemistry was awarded by the Illinois Institute of Technology. He is the author and co-author of 35 papers on various topics and has two patents pending. Kantro has been active as committee member and subcommittee chairman of ASTM, the Transportation Research Board, and the American Ceramic Society (where he was elected a Fellow in 1980). He became chairman-elect of the Cements Division, American Ceramic Society in May 1981.

Howard H. Newlon, Jr. has been named to head the Virginia Highway and Transportation Research Council located in Charlottesville. After work with the Tennessee Valley Authority and a U.S. Army tour, he joined the council staff in 1956. He spent 14 years in charge of portland cement concrete research and since 1972 has headed the council's history research. He was named assistant head of the council in 1968 and has been associate head since 1975. He also has been a lecturer at the School of Engineering and Applied Science and the School of Architecture at the University of Virginia.

Newlon has chaired a number of technical committees of ASTM, American Concrete Institute, and the Transportation Research Board and is a member of several other professional and technical organizations. He recently completed a six-year term as chairman of ASTM Committee C-1 on Cement. In 1970 he received ASTM's Award of Merit.
Awards

John A. Bickley of Rexdale, Ontario, Canada, has received the Construction Practice Award from the American Concrete Institute. The presentation was made 12 Feb. 1981 during ACI’s annual convention in Dallas, Tex. Bickley, vice-president of the Trow Group Ltd., Rexdale, received the award for his paper on “Mass Production of Highly Toleranced Precast Concrete Tunnel Segments.” The paper appeared in ACI’s Concrete International: Design & Construction April 1979 issue.

The author of nearly 40 papers relating to concrete technology, he is a member of several ACI technical committees and was elected a Fellow of the Institute in 1980. He is past president of ACI’s Ontario Chapter. Bickley is also a member of ASTM, the Canadian Federal Task Force on Winter Concreting, the American Concrete Institute, and England’s Institution of Civil Engineers and Institution of Highway Engineers.

Emery Farkas of W. R. Grace & Co., Cambridge, Mass., has received the Henry L. Kennedy Award from the American Concrete Institute. The presentation was made 12 Feb. 1981 during ACI’s annual convention in Dallas, Tex. Farkas, who serves as vice-president of Grace’s Construction Products Division, was cited for his “many years of outstanding technical and administrative services to the Institute.”

A Fellow of the Institute, he is a former member of ACI’s Board of Direction and was chairman of its Educational Activities Committee and is a member of ASTM.

Robert E. Philleo has been awarded the Arthur R. Anderson Award for the advancement of knowledge of concrete as a construction material. The presentation was made 12 Feb. 1981 by the American Concrete Institute during ACI’s annual convention in Dallas, Tex. He was cited for his “distinguished achievements in furthering a better understanding of the structure and properties of concrete.”

Philleo, a past president and Honorary Member of ACI, is chief, Concrete Branch, Engineering Division, Office of the U. S. Army Chief of Engineers, Washington, D. C. He is a member of ASTM.

Walter H. Price, of Laguna Hills, Calif., has received the Henry C. Turner Medal from the ACI. The presentation was made 12 Feb. 1981 during ACI’s annual convention in Dallas, Tex. A past president and Honorary Member of the Institute, Price was cited for his “contributions during more than 40 years to concrete technology, research, and engineering in industry, government, and private practice in the laboratory, office, and field.”

For more than 30 years, Price was associated with the U.S. Bureau of Reclamation, Denver, Colo., and is the recipient of the Department of the Interior’s Distinguished Service Citation. Following his retirement from the bureau, Mr. Price served as director of technical services of the American Cement Corp. and was later vice-president of that firm’s Pacific Southwest Region. His other ACI awards include the Wason Medal for the Most Meritorious Paper in 1951 and the Henry L. Kennedy Award in 1964.

Mr. Price is also a Fellow of both ASTM and the American Society of Civil Engineers. In 1966, he received ASTM’s Award of Merit for service as chairman of ASTM Committee C-9.

Student Awards

There are two $2000 awards, Harry F. Thomson Scholarship Award and ACI Fellowship Award, now available through the American Concrete Institute for graduate study in the field of concrete for the 1982-83 academic year. Both awards are open to any student completing studies toward the bachelor degree or one who has received a bachelor degree from an accredited engineering program. The awards will be subject to the requirement that the applicant be accepted for graduate study at the time of acceptance of the award in concrete involving design, materials, construction, or any combination of these subject areas, at a recognized college or university.

It is necessary to submit only one application to be considered for both awards, and applications may be obtained from the Education Department, American Concrete Institute, P. O. Box 19150, Detroit, Michigan, 48219; and must be received by 16 Nov. 1981. Announcement of awards will be made at the ACI annual convention 20-23 Jan. 1982 in Atlanta, Ga.

The ACI Fellowship Award was recently established, in addition to the well-known Thomson Award, by the ACI Scholarship Committee and receives its funding through the generous contributions of members of the American Concrete Institute.

Elections

Eugene D. Hill, Jr. of Denver, Colo., has been elected to the Board of Direction of the American Concrete Institute. Hill and other officers of ACI were chosen during the organization’s annual convention 8-13 Feb. 1981 in Dallas, Tex.

Hill is the assistant vice-president, sales and technical services, Cement Division, Ideal Basic Industries, Inc., Denver. A graduate of Princeton University, he has been associated with Ideal since 1959. He is a member of several technical committees of ACI and currently serves as chairman of the committee on construction of concrete floors. He is also a member of ASTM.

Robert E. Price of Lake Openaka, N.J., has been elected to the Board of Direction of the American Concrete Institute. Price was chosen during the organization’s annual convention 8-13 Feb. 1981 in Dallas, Tex.

TESTING FORUM
He is president of the Openaka Corp., a Denville, N.J., consulting engineering firm which he founded. Price is a graduate of Dartmouth College and Princeton University. A member of several ACI technical committees, Price received ACI’s Delmar L. BIoem Dartmouth College and Princeton University. A member of several Conventions Distinguished Service Award in 1972 for his efforts as a committee chairman. He is also a member of ASTM.

Conventions

The most current schedule of ACI international conventions is annually: 1982—with the World of Concrete at the Peachtree Plaza Hotel in Atlanta, Ga. 19-23 Jan.; 1983—in Los Angeles, Calif.; and 1984—Phoenix, Ariz. The Fall conventions are: 1982—19-24 Sept. in the Detroit Plaza Hotel, Detroit, Mich.; 1983—25-30 Sept. in the Hyatt Regency, Kansas City, Mo.; 1984—9-14 Sept. in the Grand Hyatt, New York; and 1985—Mexico City, Mexico. For further information on these conventions, please contact Cynthia A. Clapp, Convention Coordinator, American Concrete Institute, Box 19150 Redford Station, 22400 W. Seven Mile Rd., Detroit, Mich. 48219.

Publications

The Cement Research Institute of India has issued two monographs. “Improved Packaging for Cement,” Ms-9-80, published in March 1980, presents the construction and other details of double hessian bonded bags. It sets forth this product as having many advantages over plain jute bags and kraft bags for cement packaging in India. “Colorimetric Analysis of Major Constituents in Cements,” MS-8-79, published in July 1979, gives the test procedures for the colorimetric estimation of amounts of total silicon oxide, aluminum oxide, ferric oxide, calcium oxide, magnesium oxide, and sulfur trioxide in various types of cements. For price and order information, please contact S. S. Kalra, Publications Officer, Cement Research Institute of India, M-10 South Extension II, Ring Rd., New Delhi 110 049 India.

Conference

The International Conference on Bond in Cement, sponsored by Paisley College of Technology and cosponsored by the Concrete Society (Scotland), The Institution of Structural Engineers, and the American Concrete Institute will be held in Paisley, Scotland on 14-16 June 1982. The topics of the conference include theory and mechanism of bond including the types of bond, models of stress transfer, and morphology of interfaces; methods of testing of bond, including the types of tests, standardization of test methods, and interpretation of test results; assessment of factors that influence bond, including the type of concrete, type of reinforcement and its surface treatment, curing, and exposure conditions; and bond in design and construction practice, including the practical applications of bond in normal and lightweight concretes reinforced with ordinary, prestressed, and fibrous reinforcement.

For information on attending the conference please contact Mrs. C. MacDonald, Conference Secretary, Centre for Liaison with Industry and Commerce, Paisley College of Technology, Paisley PA1 2BE Scotland, U.K.

Symposium

The Materials Research Society is holding a symposium on “Effects of Fly Ash Incorporation in Cement and Concrete,” at its 1981 Annual Meeting, 16–19 Nov. 1981 at the Park Plaza Hotel, Boston, Mass. The purpose of the symposium is to explore and document the means necessary to properly characterize different flyashes for use in concrete and other cementitious products, to discuss the effects of flyashes on cement hydration reactions, to document potential problems arising from interactions of flyash with chemical admixtures, and to provide information on the effects of flyash incorporation on the materials properties of concretes in which they are incorporated.

For information contact S. Diamond, School of Civil Engineering, Purdue University, W. Lafayette, Ind. 47907 or D. M. Roy, Materials Research Laboratory, Pennsylvania State University, University Park, Pa. 16801.

Congress

The British Ready Mixed Concrete Association is organizing the VIIth European Ready Mixed Concrete Organisation (ERMCO) Congress which will be held in London 22-26 May 1983. ERMCO was established in 1967 and is an organization representing the ready mixed concrete industry of Western Europe on technical and other matters. Every few years a Congress is arranged by one of the twelve ERMCO members. For further details please contact VIIth ERMCO Congress, Shepperton House, Green Lane, Shepperton, Middlesex, TW17 8DN England.

Concrete and Aggregates Show

Manufacturers from all over the United States attended a preview of the 1982 International Concrete & Aggregates Show early in March 1981 at Caesars Palace in Las Vegas, Nev. The preview was designed to give manufacturers information about the show, which is held every two years. The show is sponsored jointly by the three major organizations representing American producers: the National Sand & Gravel Association, the National Ready Mixed Concrete Association, and the National Crushed Stone Association. It customarily draws more than 200 exhibitors and up to 20 000 visitors. The Space Allocation Committee is drawing up the final floor plan for the 1982 Show and will complete its work on June 1. Further information is available from Vincent P. Ahearn Jr., 1982 International Concrete & Aggregates Show, 900 Spring St., Silver Spring, Md. 20910 (301/587-1400).
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ASTM Committee C-1 on Cement

Scope

The development of specifications, methods of test, recommended practices, and definitions of terms for hydraulic-cements, including portland, natural, pozzolanic, masonry and slag cements, and modifications of the foregoing, and combinations during manufacture thereof; the investigation of the properties of hydraulic cements and the promotion of improvement and uniformity of testing and these materials; joint sponsorship, with ASTM Committee C-9 on Concrete and Concrete Aggregates, of the Cement and Concrete Reference Laboratory, a cooperative project of the Government and ASTM.

Officers

Chairman: W. L. Dolch, Purdue University, School of Civil Engineering, Lafayette, Ind. 47907
Vice-Chairman: C. D. Fehnel, Lone Star Industries, Inc., P.O. Box 2880 (411 Putnam Ave.), Greenwich, Conn. 06830
Secretary: J. W. Meusel, Atlantic Cement Co., Inc., P.O. Box 30, Stamford, Conn. 06904
Membership Secretary: R. O. Lane, Tennessee Valley Authority, Singleton Materials Engineering Laboratory, Knoxville, Tenn. 37902

ASTM Committee C-9 on Concrete and Concrete Aggregates

Scope

The assembling and study of data pertaining to the properties of portland cement concrete and its constituent materials, including the study of effect of characteristics of materials and mixtures upon the properties of concrete; the development of methods of test for concrete and for the constituent materials of concrete (except cement), as well as for certain related materials, such as materials used in curing; the formulation of standard specifications for the constituent materials of concrete (except cement) and for concrete itself (subject to suitable interpretation of the term “concrete”). The scope of Committee C-9 does not include the field of design and construction of concrete structures except insofar as references need to be made to construction methods in special cases of concrete as “over-the-counter” materials.

Officers

Chairman: J. F. McLaughlin, Purdue University, Office of the Dean of Engineering, ENAD Bldg., W. Lafayette, Ind. 47907
Vice-Chairman: R. C. Mielenz, Route 1, Box 103, Brigham Rd., Gates Mills, Ohio 44040
Secretary: G. S. Bobrowski, American Admixtures Corp., 5909 N. Rogers Ave., Chicago, Ill. 60646
Membership Secretary: D. T. Smith, Marquette Cement Manufacturing Co., 2200 First American Center, Nashville, Tenn. 37238