

TESTING FORUM

ASTM NEWS

John F. McLaughlin Receives ASTM Award

John F. McLaughlin, acting dean, Schools of Engineering, Purdue University, West Lafayette, IN, was recently named a recipient of the 1984 ASTM Award of Merit.

A resident of West Lafayette, McLaughlin received the award on 27 June 1984 at ceremonies hosted by ASTM Committee C-9 on Concrete and Concrete Aggregates, at the Denver Hilton, Denver, CO. He was cited for over 25 years of distinguished service, leadership, and contribution to the work of Committee C-9.

The Award of Merit and the accompanying honorary title of Fellow of the Society were established in 1949 by ASTM. The award recognizes distinguished service to ASTM through marked leadership, productive service, outstanding contribution, or publication of papers.

A native of New York City, NY, McLaughlin received his B.S. degree in Civil Engineering at Syracuse University in 1950. He received his M.S. degree in 1953, and his Ph.D. degree in 1957, both from Purdue University.

McLaughlin began his teaching career at Purdue University in 1951, as instructor and later professor of civil engineering. In 1968, he was named head of the School of Civil Engineering, and assumed his present position ten years later. Primarily responsible for academic management, McLaughlin also teaches and conducts research concerning construction materials.

Active in ASTM since 1959, McLaughlin is a past chairman of Committee C-9 and a member of several C-9 subcommittees. He is currently serving a two-year term on the ASTM Board of Directors.

McLaughlin is a registered professional engineer, and a member and Fellow of the American Society of Civil Engineers. Past president and Fellow of the American Society for Engineering Education and the National Society of Professional Engineers, McLaughlin also serves as a consultant for the U.S. Army Corps of Engineers.

V. Mohan Malhotra Receives Sanford E. Thompson Award

V. Mohan Malhotra is the 1984 recipient of ASTM's Sanford E. Thompson Award. He is the head of the Construction Materials Section of the Canada Centre for Mineral and Energy Technology, Energy, Mines and Resources Canada, Ottawa, Ontario, Canada.

Malhotra, of Lynwood Avenue, Ottawa, was honored for his paper "Mechanical Properties and Freezing and Thawing Resistance of Non-Air Entrained, Air Entrained, and Air-Entraining Superplasticized Concrete Using ASTM Test C 666, Procedures A and B" (*Cement, Concrete and Aggregates*, Vol. 4, No. 1, Summer 1982). He received the award at ceremonies hosted by ASTM Committee C-9 on Concrete and Concrete Aggregates, held 27 June 1984 in Denver, CO. The award is given to the author(s) of a paper, published by ASTM, dealing primarily with a subject pertinent to the objectives of Committee C-9.

Malhotra was also awarded the "Honorary Degree of Doctor of Laws" on 13 July 1984 by the University of Dundee, Dundee, Scot-

land. The degree was conferred on Mr. Malhotra for his outstanding contributions to concrete research and his contributions to concrete technology world wide during the past 25 years.

A native of Simla, India, Malhotra received a B.Sc. degree in 1951 from the University of Delhi, a B.E. degree in 1957 from the University of Western Australia, and an engineering degree in 1982 from the World Open University, CA. He has held his present position since 1976.

Malhotra is a member of the American Concrete Institute, the Canadian Society of Civil Engineering, and the International Union of Testing Laboratories; an honorary member of the Concrete Society of London; and an honorary fellow of the Institute of Concrete Technology.

Call for Papers

Symposium on Alkalies in Concrete

The symposium, Alkalies in Concrete, sponsored by ASTM Committee C-9 and cosponsored by Committee C-1 on Cement to be held 25 June 1985 at Los Angeles, CA is intended to examine the influence of the increasing alkali content of concrete, whether it be introduced by portland cement, pozzolans, chemical admixtures, or its surroundings. The emphasis will be on such effects on concrete as its time of setting, air entrainment capability, slump loss, compressive/flexural strength, and resistance to sulfate attack. However, the title of the symposium leaves the subject of alkali content open to any area of investigation.

Research and review papers covering this area are currently sought. Authors wishing to offer presentations at the symposium are asked to submit a 300- to 500-word abstract with Paper Submittal Form by 9 Sept. 1984 to Kathy Greene, ASTM Publications Department, 1916 Race Street, Philadelphia, PA 19103, 215/299-5414. Paper Submittal Forms are available from Ms. Greene.

For information on the technical content of the program, contact Symposium Chairman Dr. Vance H. Dodson, W. R. Grace & Co., 62 Whittemore Avenue, Cambridge, MA 02140, 617/876-1400.

An ASTM Special Technical Publication (STP) is expected to result from the symposium. ASTM may print and distribute accepted abstracts at the symposium with the approval of the chairman.

Second World Congress on Joints and Bearings

Advances in the art and science of joint sealing and bearing systems for all types of building and engineering structures since the successful first world congress held in Niagara Falls, NY, in 1981, point to the need to assemble a second congress.

Under the sponsorship of the American Concrete Institute (ACI) and other associations, the Second World Congress on Joints and Bearings for Structures is to be held in San Antonio, TX, 29 Sept. through 3 Oct. 1986. The purpose of this specialty conference will be to serve as a forum to bring together manufacturers, suppliers, and installers of joint and bearing systems with architects, structural engineers, specifiers, materials engineers, builders, contrac-

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tors, and researchers to review the state of knowledge and practice, world wide. Through technical sessions, workshops, seminars, and exhibits, the participants will have an opportunity to identify and discuss problems and known solutions, and to determine what improvements are needed and how these may be achieved.

Original papers within the general subject area of the conference are invited for presentation and publication. Though not intended to be inclusive, the following specific subjects have been identified as being particularly relevant by the Congress Steering Committee, established by the ACI Committee on Joint Sealants and the Committee on Bearing Systems.

1. Techniques for measuring and predicting joint movements and evaluating field performance.
2. Criteria for selection of joint sealant materials and systems in relation to properties, and experience of in-service performance in particular for architectural, pavement, sanitary and water retaining structures.
3. Fire resistant, nontoxic, joint, and opening sealing.
4. Joint and bearing installation practices, procedures, equipment problems and solutions, and anchorage systems.
5. Rehabilitation and reconstruction problems and techniques in particular for building, parking structure pavement joints, and bridge bearings.
6. Failure modes of contemporary joint and bearing systems.
7. Specification and performance requirements for bridge bearings and expansion joints.

8. Special bearing systems and expansion joints for earthquake or blast resistant designs.

9. Friction and contact pressure in high load bearings under extreme environmental conditions.

10. Relevance of current test methods and acceptance procedures for sealants and bearings.

11. Current laboratory or field research and development investigations.

12. Needed research and development.

13. Criteria for specifying, bidding and contract provisions, including performance guarantees, to ensure equitable treatment of competing systems in relation to life cycle costs and performance.

The preliminary selection of papers will be based on the review of synopses. Final selection will be made after the completed papers have been reviewed. Critical dates are as follows:

1 July 1985: 200 word abstract required.

1 Sept. 1985: authors notified of acceptance of abstracts.

15 Jan. 1986: manuscripts required.

31 March 1986: reviews completed and authors notified.

All papers offered for the conference will be subjected to review, compatible with ACI publications policy.

Send abstracts to Wayne Henneberger, Bridge Engineer, Texas State Department of Highways and Public Transportation, Dewitt C. Greer State Highway Bldg., 11th and Brazos, Austin, TX 78701, 512/475-4662.

Cement, Concrete, and Aggregates

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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: J. F. McLaughlin, Purdue University, Office of the Dean of Engineering, ENAD Bldg., W. Lafayette, IN 47907

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Membership Secretary: D. T. Smith, Marquette Cement Manufacturing Co., 2200 First American Center, Nashville, TN 37238

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

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