

## TESTING FORUM

### ASTM NEWS

#### Robert E. Philleo Receives ASTM Award of Merit

Robert E. Philleo, consulting engineer, Annandale, VA, was named a 1985 recipient of the Award of Merit by ASTM (Fig. 1).

Philleo, a resident of Annanwood Court, Annandale, received the award at ceremonies hosted by ASTM Committee C-1 on Cement, held 13 Dec. 1985 in Nashville, TN. He was cited for his outstanding contributions to cement and concrete technology and engineering, voluntary standardization, statistical evaluation, and organization efficiency in Committee C-1, Committee C-9 on Concrete and Concrete Aggregates, and Committee E-11 on Statistical Methods.

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 the cause of voluntary standardization through productive service to ASTM, marked leadership, outstanding contribution, or publication of papers.

Philleo is chairman of Subcommittee C01.10 on Portland Cement and past chairman of Subcommittee C01.94 on Statistical Methods. He served as chairman of ASTM Committee C-9 on Concrete and Concrete Aggregates from 1974 through 1980 and chairs its Subcommittee C09.03.09 on Fly Ash, Slag, Mineral Admixtures, and Supplementary Cementitious Materials. In addition, Philleo is a past member of the ASTM Board of Directors and is currently on ASTM's Committee on Standards, Committee on Publications, and Committee E-11 on Statistical Methods.

A native of Spokane, WA, Philleo received a B.S. degree in civil engineering from Carnegie-Mellon University in 1946. He previously worked as a research engineer at Portland Cement Association from 1946 through 1958, and then was chief of the structures branch in the Office of the Chief of Engineers (Corps of Engineers), 1958 through 1983. He became a consultant in 1983.

In addition to his contributions to ASTM, Philleo is also a member and past president of the American Concrete Institute, and a member of the Transportation Research Board, the International Commission on Large Dams, and the Concrete Society.

#### Albert Isberner Receives ASTM Award

Albert W. Isberner, Jr., a consulting engineer in Illinois, is the 1985 recipient of ASTM's Walter C. Voss Award (Fig. 2).

Isberner, of Laverne Avenue, Skokie, IL, was honored for his distinguished contributions to engineering knowledge and practice through his research in the areas of materials design, construction, and performance of masonry mortars.

The Walter C. Voss Award is presented to an engineer or scientist, inside or outside the Society, for distinguished contribution to knowledge in the field of building technology.

Isberner has been an active member of ASTM for 25 years. He has primarily been involved with ASTM Committees C-1 on Cement, C-9 on Concrete and Concrete Aggregates, C-11 on Gypsum and Related Building Materials and Systems, C-12 on Mortars for Unit Masonry, and C-15 on Manufactured Masonry Units. He is a Fellow of the Society and past recipient of the Award of Merit.

Isberner received his B.S. degree in civil engineering in 1953 from the University of Wisconsin. He served as senior and principal research engineer with the Portland Cement Association from 1966 to 1979, and was a quality assurance manager for the Association from 1979 to 1981. Isberner has been a consulting engineer to the concrete, masonry, and portland cement plastering industries since 1981.

Isberner is a Fellow of the American Concrete Institute, past member of the American National Standards Institute, and a registered professional engineer in the State of Wisconsin.

FIG. 1—Robert E. Philleo recipient of the ASTM Award of Merit.

FIG. 2—Albert W. Isberner recipient of the ASTM Walter C. Voss Award.

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### **Stella L. Marusin receives ASTM Publication Award**

Stella L. Marusin, a consultant with Wiss, Janney, Elstner Associates, Inc., Northbrook, IL, is the 1985 recipient of ASTM's Sanford E. Thompson Award.

Marusin, of East Willow Road in Prospect Heights, IL, received the award 11 Dec. 1985 in Nashville, TN, at ceremonies hosted by ASTM committee C-9 on Concrete and Concrete Aggregates. She was honored for her paper, "Experimental Examination of Fly Ash Concrete," which appeared in the Winter 1984 issue of ASTM's *Cement, Concrete and Aggregates*, Vol. 6, No. 2, pp. 125-136.

The Sanford E. Thompson award is presented annually to the author(s) of a paper, published by ASTM, dealing primarily with a subject pertinent to the objectives of Committee C-9.

A native of Prague, Czechoslovakia, Marusin received M.S. degrees from the Technological University, Prague, in chemical engineering (1960) and in ceramic engineering (1971). She also received a Ph.D. degree in silicate sciences from the same university (1974).

Marusin was a department head for both PREFA-Building Industries, Prague, and Research and Development Institute of Building Industries, Prague. She has been in her present position since 1978.

Marusin holds membership in the Transportation Research Board, the American Ceramics Society, the National Institute of Ceramic Engineers, the American Concrete Institute, and the International Cement Microscopy Association.

### **John A. Heslip Elected to ASTM Board of Directors**

John A. Heslip, president of the National Concrete Masonry Association (NCMA) in Herndon, VA, has been elected to a three-year term on the ASTM Board of Directors, effective 1 January 1986.

Heslip, of Ivytree Lane in Great Falls, Virginia, has been an active ASTM member since 1968. He has held many committee offices, including six years as chairman of Committee C-12 on Mortars for Unit Masonry. He is also active on Committees C-1 on Cement, C-15 on Manufactured Masonry Units, and E-6 on Performance of Building Constructions. Heslip received ASTM's Award of Merit in 1982 for outstanding leadership in the development of ASTM standards for masonry and implementation of standards throughout the masonry industry.

A native of River Rouge, Michigan, Heslip studied engineering at Michigan State University.

Before his employment by NCMA, Heslip was president and executive director of the Masonry Institute of Michigan. He was also executive director of the Masonry Institute of Northwestern Ohio and, in 1981, became executive secretary of the Concrete Products Guild of Michigan.

Heslip joined the NCMA staff in Jan. 1984 as executive vice-president and became president in Feb. 1985. He has represented the association with ASTM and other code and specification bodies, participated in NCMA activities with state concrete ma-

sonry associations, handled government liaison with the Congress and federal agencies, and headed the growing NCMA Paving Block Division.

Heslip is also a member of the American Society of Association Executives and an honorary member of the Detroit Chapter of the American Institute of Architects.

### **Symposium on Uniformity of Cement Strength**

The Symposium on Uniformity of Cement Strength sponsored by ASTM Committee C-1 on Cement and C-9 on Concrete and Concrete Aggregates will be held on 19 June 1986 at Louisville, KY. The program for the symposium is as follows:

#### **7:00 pm: Opening Remarks**

SYMPOSIUM CHAIRMEN: Paul Klieger,  
Portland Cement Association,  
Skokie, IL; and  
Emery Farkas,  
W. R. Grace & Company,  
Cambridge, MA

**7:05 pm: Illinois' Experience with Cement Strength Uniformity—**  
J. R. Oglesby, Illinois Department of Transportation, Springfield, IL

**7:25 pm: Uniformity Among a Variety of Cements As Measured From Corps of Engineers Quality Assurance Data—**T. Poole, Waterways Experiment Station, U.S. Corps of Engineers, Vicksburg, MS

**7:45 pm: Uniformity in Compressive Strengths of Cement and Concrete—Manufacturer and Clients Q/C Tests—**H. A. Ali-Badr, A. D. Kilpadikar, and A. M. Sulaiman, Suadi Kuwaiti Cement Manufacturing Co., Damman, Saudi Arabia

**8:05 pm: Application of CCRL Data in the Development of Cement Standards—**J. H. Pielert and C. B. Spring, CCRL, National Bureau of Standards, Gaithersburg, MD

**8:25 pm: Detection of Inherent Heterogenities in Cement Strength Records by Means of Segmentation—**L. R. Taerwe, Magnel Laboratory for Reinforced Concrete, Ghent State University, Ghent, Belgium

**8:45 pm: Quality of Cements in India—Results of Three Decadal Surveys—**H. C. Visvesvaraya and A. K. Mullick, National Council for Cement and Building Materials, New Delhi, India

**9:05 pm: Cement Variability From Different Sources and Its Effects on Some Concrete Properties—**R. Keck, P. Owen, J. Roebuck, Florida Mining & Materials Company, and H. J. McGilivray, Consultant, Tampa, FL

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**9:30 pm:** Variability of Cement Strength in Saudi Arabia M. Said Taryal, Saudi Arabian Standards Organization, Riyadh, Saudi Arabia

**9:50 pm:** General Discussion

For further information contact Scott Orthey, ASTM, 1916 Race St., Philadelphia, PA 19103; 215-299-5507.

### **NBS Workshop on Quantitative X-ray Diffraction Analysis**

A workshop on Quantitative X-ray Diffraction Analysis will be held 23 and 24 June 1986, at the National Bureau of Standards (NBS) in Gaithersburg, Md.

The workshop is intended to provide information on techniques and instrumentation for quantitative X-ray diffraction analysis to technical and research staff from a wide variety of industries, who are involved with X-ray diffraction analysis and who are interested in applying the method to quantitative analysis. The workshop will cover fundamental aspects of quantitative X-ray diffraction analysis and how these should be applied to developing methods for quantitative analysis. Basic theory, instrumentation, analytical techniques, sample mounting methods, data collection strategies, and standards for quantitative X-ray diffraction will be discussed. Speakers will describe quantitative analysis of a number of specific materials, with emphasis on ceramics, and portland cement.

The workshop will include a poster session with contributions accepted from those attending the workshop. The purpose of the poster session is to promote an open interchange of ideas and techniques.

The workshop is cosponsored by the Center for Building Technology, the Institute for Materials Science and Engineering, and the Office of Standard Reference Materials at NBS, by the New York State College of Ceramics, and by ASTM Committee C-1 on Cement.

For further technical information contact: Leslie Struble, B34b Building Research, National Bureau of Standards, Gaithersburg, MD 20899; (301) 921-2635 or Camden Hubbard, A247 Materials Building, National Bureau of Standards, Gaithersburg, MD 20899; (301) 921-2845.

For general information, contact: Kathy Stang, A353 Physics Building, National Bureau of Standards, Gaithersburg, MD 20899; (301) 921-2255.

### **Concrete Materials Research Council Established by ACI**

The American Concrete Institute (ACI) has announced the establishment of the Concrete Materials Research Council. The purpose of the council is to advance the knowledge of concrete materi-

als by soliciting and selecting research proposals, financing and guiding the research, and publishing the results; all in coordination with ACI technical committees. The council's function is to bring researchers with worthy proposals together with potential sources of research funds. Because research on concrete materials was not keeping up with the needs of concrete practice, the council was established. Charles F. Scholer of Purdue University is council chairman of the approximately 70 member group. Mr. Scholer is a member of ASTM Committees C-9 on Concrete and Concrete Aggregates and C-27 on Precast Concrete Products.

The council is soliciting preproposals from researchers and soon expects to be able to recommend selected proposals for support by potential sponsors who wish to advance the state of knowledge of concrete materials or who have specific research needs to be met. The preproposals will be evaluated by the council as the first step in the stimulation of concrete materials research. Research preproposals should be sent to Samuel J. Henry, ACI Headquarters, P.O. Box 19150, Detroit, MI 48219.

### **New Book on Polymer Concrete**

The American Concrete (ACI) announces the availability of a new publication entitled *Polymer Concrete—Uses, Materials and Properties*.

This 352 page volume contains 17 papers covering the effects of polymers in concrete.

Topics included are machine application of polymer concrete for highway repairs; corrosion resistant polymer concrete pipe liners; polymer impregnation and polymer concrete repairs at Grand Coulee Dam; shear transfer behavior in two-layered concrete and polymer systems; the effects of moisture on the physical and durability properties of methyl methacrylate polymer concrete; and flexural behavior of reinforced polymer-portland cement concrete beams.

Additional topics include commercial applications and property requirements for epoxies in construction; polymer concrete (MMA) for bridge rehabilitation applications; mechanical properties of PIC impregnated and polymerized under high-pressure; tensile-splitting stress distribution of partially polymer-impregnated concrete cylinders; modification of portland cement concrete with epoxy as admixture; development of super high-strength concrete made with silica fume addition and polymer impregnation; epoxy modified shotcrete; use of acrylic-type polymer as admixture for underwater concrete; behavior of joints using reinforced polymer concrete; properties of polymer-modified mortars using powdered emulsions; and creep and fatigue of polymer concrete.

*Polymer Concrete—Uses, Materials, and Properties* (SP-89) is now available to ACI members for \$37.25 (\$42.50 for nonmembers). To place an order contact: American Concrete Institution, Publications Department, P. O. Box 19150, Detroit, MI 48219.

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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, Office of the Dean of Engineering, ENAD Bldg., W. Lafayette, IN 47907

**Vice-Chairman:** C. D. Fehnel, Lone Star Industries, Inc., P.O. Box 2880 (411 Putnam Ave.), Greenwich, CT 06830

**Secretary:** R. A. Hines, Missouri Portland Cement Co., 7711 Carondelet Ave., St. Louis, MO 63105

**Membership Secretary:** J. W. Meusel, Atlantic Cement Co., Inc., P.O. Box 30, Stamford, CT 06904

# ASTM Committee C-9 on Cement 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. M. Scanlon, Jr., U.S. Army Engineer Waterways Experiment Station, CH/CONC Tech. Div., P.O. Box 631 (WESSC), Vicksburg, MS 39180

**Vice-Chairman:** R. J. Schutz, Protex Industries, 1331 West Evans Ave., Denver, CO 80223

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