

ASTM COMMITTEE E-12 ON COLOR AND APPEARANCE

THE Fred W. Billmeyer Jr. Award

NAME OF THE AWARD:

The Fred W. Billmeyer Jr. Award

TO BE AWARDED:

The award will be presented every other year. The first award was presented in 1999.

SPONSORED BY:

ASTM Committee E-12 on Color and Appearance.

AWARD RECIPIENTS:

<u>Year</u>	<u>Recipient</u>
1999	Fred W. Billmeyer, Jr.
2002	Richard W. Harold
2003	John S. Setchell, Jr.
2005	Justin J. Rennilson
2007	Hugh S. Fairman
2009	Ellen C. Carter

REASONS FOR ESTABLISHMENT:

Fred W. Billmeyer Jr.

(1919-2004) BIOGRAPHICAL INFORMATION - FRED W. BILLMEYER, JR.

Fred W. Billmeyer, Jr., received his B. Sc. Degree in chemistry from the California Institute of Technology in 1941, and his Ph. D. degree in physical chemistry from Cornell University in 1945. At Cornell he studied under Nobel Laureate Peter Debye on light scattering in synthetic rubbers.

From 1945 to 1964, Dr. Billmeyer was associated with the Plastics Department of E. I. du Pont de Nemours & Co., Wilmington, Delaware. In addition, from 1951 to 1964 he was Lecturer in High Polymers in the Department of chemistry, University of Delaware, and in 1960-1961 he was Visiting Professor in Chemical Engineering at the Massachusetts Institute of Technology. From 1964 to 1984, Dr. Billmeyer held the position of Professor of Analytical Chemistry at Rensselaer Polytechnic Institute, Troy, New York, where he taught and directed research in both polymer science and color science and directed The Rensselaer Color Measurement Laboratory. He became Professor Emeritus in 1984.

Professor Billmeyer is a member of the Phi Kappa Phi and Sigma Xi honor societies; Elected in 1987 as an Honorary member of the Inter-Society Color Council (ISCC), since 1995 an Honorary member of the Colour Group (Bulgaria), a Life Member of the U.S. National Committee of the International Commission on Illumination (CIE); a Fellow of the American Association for the Advancement of Science, the American Society for Testing and Materials (ASTM), the American Physical Society, the Optical Society of America (OSA), and the Society of Plastics Engineers (SPE); a member of the American Chemical Society (ACS) for 50 years, the Council for Optical Radiation Measurements (CORM), the New York Society for Coatings Technology and the Federation of Societies for Coatings Technology (FSCT). He is a former member of the American Association of Textile Chemists and Colorists (AATCC), The Colour Group (Great Britain), and the Society of Dyers and Colourists (Great Britain). He is the author of over 280 papers in the fields of polymer chemistry and color science, and of the books *Textbook of Polymer Chemistry*, *Textbook of Polymer Science*, (3 editions), *Synthetic Polymers*, *Experiments in Polymer Science* (with E. A. Collins and J. Bares), *Principles of Color Technology* with M. Saltzman, (2 editions), and *Entering Industry, A Guide for Young Professionals* (with R. N. Kelly). His latest book is *Billmeyer and Saltzman's "Principles of Color Technology"*, third edition edited by Roy S. Berns.

Dr. Billmeyer has been active on many committees, including D-1 (Coatings), D-20 (Plastics), and E-12 (Appearance) of the ASTM; the *Vision and Colour and Physical Measurement of Light and Radiation* Divisions of the CIE, and the U. S. National Committee of the CIE. He is a past member of the Board

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of Directors of the Color and Appearance Division of the Society of Plastics Engineers, was a Trustee and Secretary of the Munsell Color Foundation, a Director, the President-Elect, President, and Secretary of the ISCC, and a Director and Secretary-Treasurer of CORM. He is Founding Editor, and was Editor-in-Chief, of the journal *Color Research and Application*, and was a Section Editor for *Chemical Abstracts*.

Dr. Billmeyer has received the following major awards from professional societies: the FSCT Roon Award for 1962 for best publication in the paint journal; the Mattiello Memorial Lectureship (1968), and the Armin J. Bruning Award (1977) from the FSCT, the Macbeth Award (1978), the Godlove Award (1993), and the Nickerson Service Award (1983) from the ISCC, and the Award of Merit (1990) from the ASTM; the Frank W. Reinhart Award on Terminology from the ASTM; the committee on Terminology Award of the ASTM Standing Committee, and recognition of work on ANSI Committee Z535 on Safety Signs and Colors. In 1992 Dr. Billmeyer was recognized as a 50-year lifetime member of the American Chemical Society.

Of particular interest are two of Dr. Billmeyer's most recent awards, the Judd - AIC (International Colour Association) Medal for 1999, and the first award of the ASTM Committee E-12 on Color and Appearance Award of Appreciation, named the Fred. W. Billmeyer Jr. Award and presented to Dr. Billmeyer in the year 2000.

Professor Billmeyer married the former Annette Trzcinski of Wilkes-Barre, Pennsylvania. They have three adult children and four grandsons.

THE AWARD FORMAT:

A plaque recognizing the recipient will be presented either at a semi-annual meeting of Committee E12 or, when this is not possible, at some other location so that the recipient is properly recognized. The format of the Award will be approved by the E-12 Executive Committee.

CRITERIA FOR SELECTION:

- (1) The recipient shall have furthered the goals of Committee E-12 by demonstrating ability to facilitate development of color and appearance standards.
- (2) The recipient shall have made valuable contributions that have enhanced the activities of the Committee Sustained for not less than a five (5) year period.
- (3) The recipient shall have demonstrated a unique level of concern for the long-term well being of the Committee

PROCEDURE FOR SELECTION:

- (1) Nominations of deserving individuals may be made to the Awards Subcommittee at any time by any member of the Committee and shall include a brief (no more than one page) justification for the nomination. It is expected that nominations will be made in the strictest confidence and without the knowledge of the nominee.
- (2) Pending nominations shall be reviewed on a Bi-annual basis. Unsuccessful nominations shall be reconsidered at the next review and nominators will be given an opportunity to update and add to their original nomination prior to the next review.
- (3) The review of pending nominations shall be conducted by a group consisting of:
 - a. the chair of the Awards Subcommittee (who shall also coordinate the review process),
 - b. the sub-committee members, and,
 - c. a Past-Chair of the Committee (since the committee is new, at the time of this writing a past chair is not available), and,
 - d. one or more past recipients of the Fred W. Billmeyer, Jr. Award (since the committee is new, at the time of this writing a past recipient is not available).
 - e. finally, the Executive Committee of E-12 shall approve all nominations.
- (4) The Chair of the Awards Subcommittee shall be responsible for preparation of the plaque and notification to the recipient.