

AIChE Centennial Celebration:

1908



William H. Walker
Courtesy MIT Museum



Arthur D. Little
Courtesy MIT Museum

1985



1998



Forty Mileposts is a timeline of some of the continuing changes in AIChE membership, professional activities and organizational practices during the Institute's first century of existence – with special recognition to the people whose efforts brought those changes to fruition.

1888 First chemical engineering program (named "Course X") established within MIT Chemistry Department. *Taught by chemistry professor Lewis M. Norton.*

1893 First Chemical Engineering Department: University of Pennsylvania. *Established by Edgar Fahs Smith, professor of chemistry and provost of the University.*

1904 United Engineering Society [now United Engineering Foundation] created. Andrew Carnegie funded his vision of a "home" for all engineering disciplines. AIChE retroactively designated as a Founding Society; the others were AIME, ASCE, ASME, and IEEE.

1908 AIChE founded by William M. Booth, Arthur D. Little, Charles F. McKenna, Richard K. Mead, John C. Olsen, and William H. Walker. Chemical engineers differentiated from industrial chemists. Institute membership grows to 101 one year later (1909).

1915 First engineer to recognize the potential of unit operations to separate chemical engineering from other professions: Arthur D. Little.

1922 Chemical engineering is the first profession to utilize accreditation to assure course consistency and quality; 14 schools accredited in 1925.

1922 First AIChE student chapter: University of Michigan. *Established by Alfred H. White.*

1925 First AIChE local professional section in continuous operation: Chicago, IL. Founder: Frederick Dunlap. (Detroit [1922] did not survive the Depression, but was re-established in 1945.)

1931 First female PhD in chemical engineering: Yun-Hao (Ruth) Feng, Ohio State University.

1932 Founding of Engineers Council for Professional Development (ECPD; now ABET). *AIChE representatives in attendance: A. B. Newman, J. M. Weiss, H. C. Parmelee.*

1936 First Institute Award established: William H. Walker Award for Excellence in Contributions to Chemical Engineering Literature. *First recipient: Allan P. Colburn (who later became the namesake for another Institute Award).*

1945 First female member of the Institute: Margaret Hutchinson Rousseau. She was also the first (and, to date, only) female recipient of the Institute's Founders Award (1983).

1947 *Chemical Engineering Progress (CEP)* magazine created to provide news and technical information. *First editor: Franklin J. Van Antwerpen.*

1949 AIChE membership opened to undergraduates.

1949 First Institute Lecture: "Heat Transfer," presented by W. L. McAdams, MIT. Annual lecture series addresses topics of current interest.

1952 Membership reforms instituted: Academic membership with no industrial experience; Junior to Associate membership after 20 years. Proponents included veterans returning from World War II.

1954 First AIChE technical division chartered: Nuclear Engineering Division. Initially formed as a committee in the 1940s. *Founders included Miles Leverett.*

1955 AIChE's first 'theoretical' chemical engineering publication, *AIChE Journal*, begins. *Founding editor: Harding Bliss.*

1963 AIChE Continuing Education Program chartered. *Driven by W. Robert Marshall.*

Forty Mileposts of Professional and Institute Progress

2003

2004

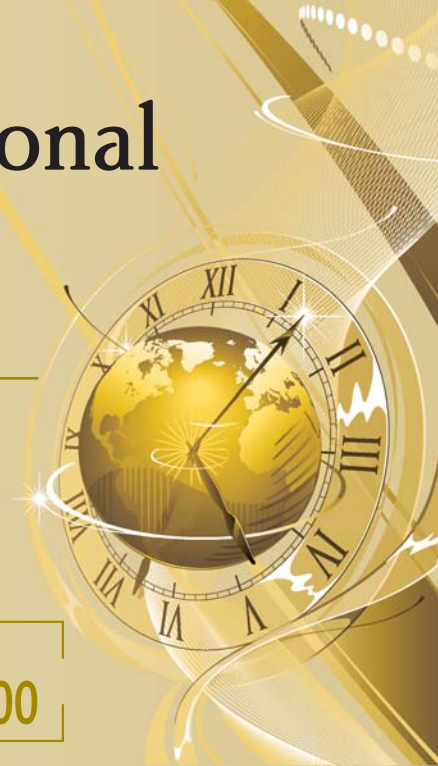
2008



Dianne Dorland



AIChE¹⁰⁰



1970 Environmental Division formed to increase focus on improving air and water qualities and reducing solid wastes. Founders included Gary Bennett, Lawrence K. Cecil, Phillip Witt.

1972 First African-American female in U.S. to earn a PhD in chemical engineering: Lilia A. Abron, University of Iowa.

1972 AIChE becomes advocate regarding federal and state policies; Government Programs Steering Committee established (predecessor of Government Relations Committee).

1972 Career Guidance for the Disadvantaged (women and minorities) Subcommittee established. Organizers: Henry T. Brown, Gerry Lessells.

1973 First Service to Society Award recipient: Lawrence K. Cecil.

1976 Establishment of longest-running technology alliance: Design Institute for Emergency Relief Systems (DIERS). Established by Walter B. Howard, Harold S. Kemp.

1978 First recipient of the F. J. and Dorothy Van Antwerpen Award for Service to the Institute: Franklin J. Van Antwerpen.

1982 First African-American AIChE Fellow: William Grimes.

1985 First Technology Center within AIChE: Center for Chemical Process Safety (CCPS). Founding Director: Thomas W. Carmody.

1989 Establishment of Minority Affairs Committee for educating/training of disadvantaged; fosters minority employment. Committee chair: Henry T. Brown.

1991 First Technical Forum: North American Mixing Forum. Established by Arthur Etchells, Ramesh Hemrajani, Bruce Nauman.

1995 William Grimes Award established by Minority Affairs

Committee to encourage minorities in science and mathematics. First recipient: Lilia A. Abron.

1997 Establishment of AIChE Women's Initiative Committee. Chair of original task force: Teresa Cheung.

1997/1998 AIChE Operating Councils established; major reform to focus AIChE Board of Directors on strategic issues. Driven by William R. Gustafson, Mary J. Markette, Glenn Taylor.

1998 First international alliance: North American Alliance of Chemical Engineers (NAACHE); includes AIChE, Canadian Society Chemical Engineers; Instituto Mexicano de Ingenieros Químicos. AIChE represented by Bruce A. Finlayson, William R. Gustafson, Glenn Taylor.

1998 Chemical Engineering PanAmerican Collaboration (CEPAC) initiative to promote Pan-American chemical engineering education. Driven by Ignacio E. Grossmann.

2002 Establishment of Young Professionals Advisory Board (YPAB) for increasing young professional member participation. First chair: Wendy C. Young.

2003 First female AIChE President: Dianne Dorland.

2003 First Society in AIChE: Society for Biological Engineering. Established by industrial, academic and government leaders under AIChE's auspices.

2004 Global "Institute for Sustainability" established. Collaboration with American Association of Engineering Societies, U.S. State Dept., National Academy of Engineering.

2008 AIChE international dues (e.g., CCPS China) pegged to World Bank income level estimates. Drivers: Deborah Grubbe (International Development Chair), Maria Burka, Thomas Hanley.

Join AIChE's 100th Anniversary celebration. Visit: www.aiche.org/100

(Compiled by AIChE's Centennial Celebration Committee)