

Conversations with Neighbors: Shifting the Paradigm of Chemical and Environmental Sustainability from Local to Global and Back Again



TUESDAY / APRIL 9
7:30 P.M. / VIKING THEATER

PAUL T. JACKSON '92
Associate Professor of Chemistry
and Environmental Studies

1983-84

Lynn Steen, Mathematics

1984-85

Anne H. Groton, Classics
Harold H. Ditmanson, Religion

1985-86

Reidar Dittmann, Art and Norwegian
Devra Westover, Nursing

1986-87

Albert E. Finholt, Chemistry
Jo Fraatz (Beld), Political Science

1987-88

Samih Sidhom Peterson, Sociology
Howard Hong, Philosophy

1988-89

Ted Johnson, Biology
Carol Holly, English

1989-90

Robert L. Nichols, History
Anantanand Rambachan, Religion

1990-91

Robert Jacobel, Physics
Ann Wagner, Dance

1991-92

George C. Helling, Sociology
Kathleen Fishbeck, Biology

1992-93

Valborg Tollefsrud, Nursing
Gwen Barnes-Karol, Spanish

1993-94

J. Patrick Dale, Political Science
John Maakestad, Art

1994-95

Anton Armstrong, Music
Kristina Huber (MacPherson), Library

1995-96

Fred Stoutland, Philosophy
Martha Wallace, Mathematics

1996-97

James May, Classics
Olivia Frey, English

1997-98

Eric D. Weitz, History
Wendy Allen, French

1998-99

Charles Huff, Psychology
Alice Hanson, Music

1999-2000

Ed Langerak, Philosophy
Mac Gimse, Art

2000-01

Eric S. Cole, Biology
James J. Farrell, History

2001-02

Nancy Paddleford, Music
Edmund Santurri, Religion and Philosophy

2002-03

Charles Taliaferro, Philosophy
L. DeAne Lagerquist, Religion

2003-04

David Wee, English
Amy Kolan, Physics

2004-05

Paul Humke, Mathematics
Jolene Jacobson Barjasteh, French

2005-06

Steve Reece, Classics
Gary Gisselman, Theatre

2006-07

Rich DuRocher, English
David Schodt, Economics

2007-08

Robert Entenmann, Asian Studies and History
Anne Walter, Biology

2008-09

Charles Wilson, Religion
Andrea Een, Music

2009-10

Karen Peterson Wilson, Theater
Paul Zorn, Mathematics

2010-11

Michael Leming, Sociology
Katherine Tegtmeyer Pak, Political Science
and Asian Studies

2011-12

Wendell Arneson, Art
Dave Van Wylen, Biology

2012-13

Jeanine Grenberg, Philosophy
Dan Dressen, Music

2013-14

León Narváez, Romance Languages
and Latin American Studies
Bruce Nordstrom-Loeb, Sociology

2014-15

Rebecca Judge, Economics and
Environmental Studies
Mary Titus, English

2015-16

Matthew Richey, Mathematics, Statistics,
and Computer Science
Karen Cherewatuk, English

2016-17

David Booth, Religion
Mary Griep, Art/Art History

2017-18

Diana Postlethwaite, English
Kathleen Shea, Biology
and Environmental Studies

2018-19

Jennifer Kwon Dobbs, English
and Race and Ethnic Studies
Paul Jackson, Chemistry
and Environmental Studies

PAUL T. JACKSON



Paul Jackson spent many of his formative years in the rural farming community of Pine Island, Minnesota, where he worked on his uncles' dairy farms and learned the construction trade from his maternal grandfather. These experiences, as well as time spent in Vermont, Alaska, and Wyoming, solidified his love of the natural world. Raised in the Lutheran tradition, with interests in science and music, Jackson graduated from St. Olaf College in 1992, receiving his B.A. in chemistry. He went on to work with an interdisciplinary

separations science team at the University of Minnesota, earning his Ph.D. in analytical/organic chemistry in 1997. That same year Jackson became a Camille and Henry Dreyfus Postdoctoral Fellow with the St. Olaf Chemistry Department and joined the St. Olaf chemistry faculty in 1999. Currently, Jackson is an associate professor of chemistry and serves as chair of the Environmental Studies Department.

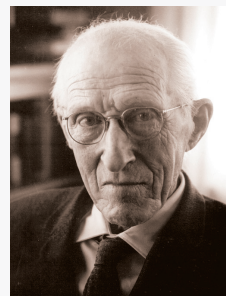
Jackson's teaching, which often incorporates civic engagement, bridges chemistry, environmental studies, and first-year Conversations programs. He directs the faculty-led international study semester Environmental Science in Australia and New Zealand, and offers a course in Japan that examines how institutions and landscapes recover from major disturbance.

His professional interests range from chemical analysis and green chemistry to environmental health and sustainability in higher education. Environmental impacts on the material world form a central tenet of his work, which frequently involves engagement with local units of government, NGOs, and citizen volunteers. Jackson directs collaborative research related to environmental chemical profiling and watershed assessment, green chemistry in science curricula, and sustainable living — from mapping to building design to material (waste) diversion. Jackson served on the design team for Regents Hall of Natural and Mathematical Sciences and was instrumental in incorporating green chemistry into that building's construction, which resulted in greatly reduced use of toxic chemicals.

Jackson has been active in the chemical and environmental sciences as a peer reviewer for the following scientific journals and organizations: *Journal of Chromatography*, *Environmental Science and Technology*, *Analytica Chimica Acta*, *Advances in Environmental Research*, *Journal of Chemical Education*, *ACS Sustainable Chemistry & Engineering*, the National Science Foundation, and the American Chemical Society – Petroleum Research Fund. His work has been funded by the National Science Foundation; Howard Hughes Medical Institute; Luce Foundation; Margaret A Cargill Foundation; W. M. Keck Foundation; Merck-AAAS Undergraduate Research Program; National Conferences on Undergraduate Research; and St. Olaf College.

His current interests include the use of technology in chemical education; environmental health and education; scientific communication; materiality, art and art conservation; sustainability in higher education; diversity within the chemical professions; green building/home improvement; and interpersonal communication. He lives in Northfield with his wife, Ann Marie Boyle.

CARL MELLBY



In *High on Manitou*, William C. Benson called Dr. Carl A. Mellby “the father of the social sciences.” In *History of St. Olaf College*, Joseph M. Shaw '49 noted the following:

“Dr. Mellby has been regarded as the dean of St. Olaf's teaching personnel, the prototype of the complete professor, competent, imaginative, congenial, and unaffected.

“His first interest was history, which he taught with phenomenal breadth and perception, lecturing in seemingly casual fashion on the cultural and social interactions of the Middle Ages, the Renaissance, and especially the modern history of Europe. Mellby also originated and taught the first courses in economics, sociology, political science, and history of art. He is credited with introducing one of the earliest marriage and family courses in the country. He was instrumental in starting the teacher placement bureau, and in 1910 he worked with St. Olaf President John Kildahl in making arrangements to begin the honor system in examinations.

“At one time or another Mellby also taught Greek, German, French, religion, and philosophy. He was acting president for one year and vice president for two years. He wrote the 50th anniversary history of the college, articles for church papers, historical sketches, and numerous resolutions and tributes when the right word was needed for the occasion.”

The Faculty Life Committee of St. Olaf College acknowledges the accomplishments of Dr. Carl A. Mellby, professor and administrator, 1901–49, by sponsoring a lecture series in his name. With this, the Faculty Life Committee also honors his successors among both the junior and senior St. Olaf faculty by inviting them at regular intervals to reflect on the significance of their own scholarly work and on developments in their chosen academic fields.