

Names and department affiliations of individuals conducting sustainability research:

Katherine A. Adelsberger - Environmental Studies

Stuart Allison - Biology

Ben Farrer - Environmental Studies

Michael Godsil - Art

William Hope - Anthropology/Sociology

Kathleen Ridlon - Dance

Peter Schwartzman - Environmental Studies

A list of research and project interests with some notable accomplishments during the previous three academic years (2021, 2022, 2023) by aforementioned individuals to justify their inclusion in the AC-9 Research & Scholarship

Katherine A. Adelsberger

Associate Professor of Environmental Studies, Douglas and Maria Bayer Chair in Earth Science

Research Interests: Hydrology, Geology and its historical and present interaction with humans

Article: Connan, J., K.A. Adelsberger, M.H. Engel, and A. Zumberge, "Bitumens from Tell Yarmuth (Israel) from 2800 BCE to 1100 BCE: A unique case history for the study of degradation effects on the Dead Sea bitumen," *Organic Geochemistry* 168, 104392, (June 2022).

Knox Faculty Research / Creative Work Grant: Soil Nutrient Testing as Pilot Data and Honors Project Preparation, 2016-2017

Knox Faculty Research / Creative Work Grant: Dhiban Field Project, with Danielle Fatkin, 2016-2017

Knox Mellon Faculty Career Enhancement Grant - Teaching with Technology: Purchase of Differential GPS equipment and software licenses, 2016-2017

National Science Foundation Major Research Instrumentation Grant, with Diana M. Cermak, Helen M. Hoyt, Mark Shroyer: Acquisition of a 400MHz Spectrometer for Research.

Stuart Allison

Professor of Biology and Conservation, Director of Green Oaks Biological Field Station
Research Interest: Tallgrass Prairie restoration; and social-cultural context of ecological restoration

"Recently I have been examining the ecological and social-cultural context of ecological restoration. Good restoration has to be ecologically valuable (restoring ecosystem health and function) but good restoration cannot occur if it is not meaningful to people. I'm exploring ways to develop better models for producing restorations that meet both ecological and social needs."

-Richter Funded Collaborative Research 2023 " Making Place "

Knox Faculty Research / Creative Work Grant: Priory 2021 Writer's Retreat.

Past Publications

Routledge Handbook of Ecological and Environmental Restoration, edited by Stuart Allison and Stephen Murphy. New York: Routledge. 2016.

Ecological Restoration and Environmental Change: Renewing Damaged

Ecosystems. Earthscan Press, division of Routledge, Abingdon, UK. (2012).

Ben Farrer

Assistant Professor of Environmental Studies

Research Interest: Environmental politics, political organizations

Michael Godsil

Instructor of Art-Photography

Knox Faculty Research / Creative Work Grant: Photography of Desert Southwest Landscapes and Native American Pueblo Ruins 2022.

Exhibition: "Hot Ice" featuring three decades of my creative photographs of receding glaciers and icebergs, including images from Alaska, Greenland, Iceland, New Zealand, and the Canadian Rockies. Borzello Art Gallery, Knox College. September 13 - October 10, 2021.

William Hope

Associate Professor of Anthropology/Sociology

Research Interest: Community Scale Composting, Food Systems, ecological design in the context of rapid environmental and social changes in the early 21st century. "I am

especially interested in the many ways with which people are crafting their relationships with soil microbiota, plants, fungi, animals, water, and energy, often with systems thinking approaches.”

Knox Faculty Research / Creative Work Grant: Community-Scaled Compost Systems. 2022.

Knox Faculty Research / Creative Work Grant: "How knowledge moves": Correspondences of skill and movement in ecological design. 2021.

Richter funded Collaborative Research on Herbal Guild Design & Implementation Summer 2021

Richter funded Collaborative Research on Community Scale Composting Summer 2022.

Presentation at Dubuque Sustainability Conference on *Transitioning to more Resilient Growing Systems*. (Oct 2022 with students)

Kathleen Ridlon

Assistant Professor of Dance

Knox Faculty Research / Creative Work Grant: “Creating Social Change through the Arts” 2022.

Co Choreographer for the “National Water Dance” . Galesburg, Illinois April 2022.

Peter Schwartzman

Professor of Environmental Studies

Research Interest: The interaction between human society and the environment.

“Trained as a climatologist, I study the influence of humans on future climate change. Early on, I compared historical records of climatological variables in order to tease out trends and their sources (natural, anthropogenic, instrumental, error). More recent, I have focused on the role that energy and food systems can play on the future of our civilization.”

ManyPathsGalesburg.org (podcast & articles (published in *The Register-Mail Newspaper*), 2019-present; topics include: cannabis, consumerism, faith, music, and climate change.

OneHuman.org (blog), 2016-Present.

“Does BLM + EM = LM?,” *Green Horizon*, 42, Win/Spr (2021).

The Earth is Not For Sale, World Scientific, 2018. with David Schwartzman and X. Zhang.

["Climatic implications of a rapid wind/solar transition."](#) Arxiv.org, March 22, p. 1-17. (2016)

Academic Staff

Kristina Hope

Research Interest: Bioregional Herbalism, Regenerative agriculture

Richter funded Collaborative Research on Herbal Guild Design & Implementation
Summer 2021

Richter funded Collaborative Research on BioRegional Herbalism in Knox County.
Summer 2022

Presentation at Dubuque Sustainability Conference on *Transitioning to more Resilient Growing Systems*. (Oct 2022 with students)