

TEACHING and RESEARCH

IN A CONTINUATION OF THE HISTORICAL RESEARCH at the Arboretum's Samuel Bolles Farm site, architectural historian Myron Stachiw inspected the house and barn foundations and discussed his observations with Professor Abby Van Slyck, Visiting Instructor Rae Gould, College Archivist Ben Panciera and Glenn Dreyer. Gould's Historical Archeology and Methods in Archaeology courses used both the Bolles Farm and the Rogerene cemetery (north of Dawley Field) as sites to study archeological and historical research techniques.

Dreyer and Goodwin-Niering Center Mellon Post-doctoral Fellow Wei Ying Wong started an invasive species survey project sponsored by the Arboretum and the Center. In the fall, a 10-page survey was mailed to 1,000 randomly selected residents of Waterford, Conn., with questions about people's understanding of invasive species facts and issues. The results will be compared with surveys of other populations to be done in 2010.

Botany Professor Chad Jones initiated a research project in the Arboretum's Bolleswood Natural Area exploring the distribution and abundance of the invasive plants Japanese barberry and Oriental bittersweet. One student summer research assistant was supported by the William Niering Endowment Fund, which Professor Niering established to encourage student/faculty research in the Arboretum.

College courses that used the Arboretum in 2009 included:

- Bio 105 – Organisms
- Bio 207 – Ecology
- Bio 224 – Animal Behavior
- Bio 307 – Freshwater Ecology
- Bot 115 – Classical and Current Topics in Botany
- Bot 117 – Introduction to Ethnobotany
- Bot 205 – Plants, Protists and Fungi

Bot 225 – Systematic Botany and the Local Flora

Bot 494 – Ecological Restoration

ES 111 – Environmental Studies as a Social Science

ES 115 – Introduction to Environmental Geology

ES 210 – Hydrology

ES 259 – Mining and the Environment

ES 312 – Introduction to Vector-based GIS

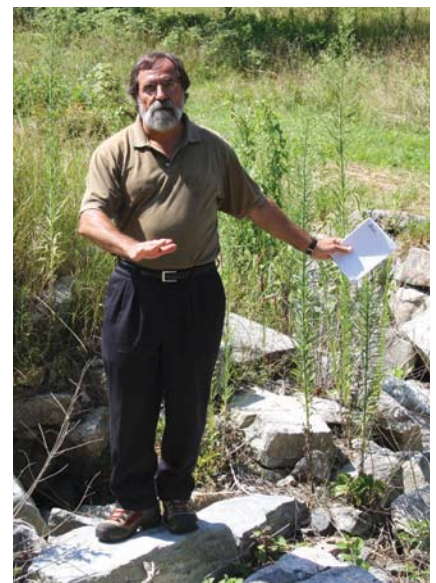
History Professor Lisa Wilson's freshman seminar, "Walking in Their Shoes: Early American Inhabitants of New London, Connecticut," participated in guided walks to Mamacoke Island and the Samuel Bolles Farm in fall 2009.

Visiting English Professor Mary Ellen Ellsworth's freshman seminar, "America Polarized," toured the Native Plant Collection during a class section on nature and the environment.

In October Arboretum Bulletin No. 40, "Salt Marsh Plants of Long Island Sound," was co-published with the Connecticut Sea Grant program.

Written by Professor Emeritus R. Scott Warren and two University of Connecticut Sea Grant Program staff, Juliana Barrett and Margaret Van Patten '87, the publication is a much expanded update of the 1980 Bulletin No. 25, "Salt Marsh Plants of Connecticut."

Architectural historian Myron Stachiw examines the Samuel Bolles farmhouse foundation.



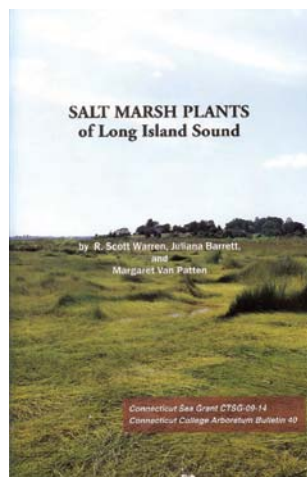
Students' experiments in Biology 105 (Organisms) line greenhouse benches.



ABOVE: Professor Lisa Wilson and her history department freshman seminar on a guided walk to Mamacoke Island.

RIGHT: Ground-penetrating radar demonstration for an archeology class in the Rogerene cemetery near the Thames River.

BELOW: An English department freshman seminar included a guided walk in the Arboretum.



CLOCKWISE FROM RIGHT:

Bryon Goulet, left, and Chip McIlwain built an arbor in the Outdoor Theater.

Stephen Morrell directed stone placement in Caroline Black Garden.

First spring for the Japanese cherry collection in front of Shain Library.

An enlarged composting facility and a new truck help Arboretum staff in their maintenance duties.

The Mamacoke Tidal Marsh was underwater during a storm on Nov. 13.

Wild pink lady's slipper orchids were abundant in 2009 in the Bolleswood Natural Area.

