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Connecticut College Arboretum

2007

Arboretum Annual Report, 2007

Connecticut College

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The views expressed in this paper are solely those of the author.

A photograph of a pond with autumn foliage reflected in the water. The water is calm, creating clear reflections of the trees and leaves. The colors are vibrant, with yellows, oranges, and reds. The foreground shows some lily pads and fallen leaves on the water's surface.

connecticut college arboretum
annual report
2007

arboretum **members report 2007**

mission

The Connecticut College Arboretum is owned by Connecticut College and operated for the benefit of the College and the community. The Arboretum functions in support of the College's mission by helping to prepare men and women for a lifetime of learning about and interacting with the natural world. The mission of the Connecticut College Arboretum is:

teaching

To provide an outdoor laboratory for use by faculty and students in Botany, Biology, Environmental Studies and other departments. In both teaching and research, the Arboretum is a unique and valuable academic resource and support facility.

research

To support and conduct research in a broad range of subjects including ecology, field biology, conservation and natural history. Arboretum research emphasizes long-term studies.

conservation

To provide stewardship of College lands by protecting, sustaining and enhancing biological diversity of large tracts of open-space. The Arboretum also provides leadership, statewide and beyond, in conservation matters.

collections

To maintain, develop and interpret well-documented plant collections for teaching, research, public education and enjoyment.

recreation

To provide a place where people from the College and the community may enjoy passive recreation and where they may come to learn, reflect and renew themselves through contact with the natural world. The Arboretum enhances the quality of life for the College and the citizens of southeastern Connecticut.

public education

To provide programs and publications about conservation, horticulture, gardening, botany and natural history, which enhances understanding of the natural world and fosters an understanding of the Arboretum's mission.



director's **letter**

I WILL remember 2007 in the Arboretum for two major reasons: Richard Goodwin and the Arboretum pond. This summer the final chapter closed in the life of Dr. Richard Hale Goodwin, who arguably did more than anyone else to shape the Arboretum. As the Arboretum's second director, he assembled the vast majority of the land that buffers the Connecticut College campus from sprawling development, protects wildlife and their habitats and serves as an invaluable resource for teaching, research and recreation. He created the Bolleswood and Mamacoke Natural Areas within the Arboretum and dedicated them to long term ecological research. In his "spare" time he helped establish The Nature Conservancy as the world's most successful land preservation organization, taught botany, and started the College's Environmental Studies Program. Dr. Goodwin remained an interested member of and valued advisor to the Arboretum until the end of his 96 years. Ten years ago, we recognized his contributions by naming a section of Arboretum land north of Gallows Lane, The Richard H. Goodwin Natural Area. To me it truly feels like the end of an era.

I will also remember this as another "year of the pond." During my 25 years with the Arboretum one of the more interesting, recurring management issues has been dealing with the Arboretum pond. Looking back at photographs and files, I find that in my first year, 1982, Arboretum Director William Niering had me helping our crew install a pipe under the dam so the pond could be drained. The reason was that alumni returning for reunion were asking Dr. Niering why their "lake" was so clogged with water lilies and no open water to be seen. The pond had been created in 1928 by damming a red maple swamp, and it was only probably three or four feet at its deepest points even in the good old days. Over the ensuing decades, organic matter accumulated on the bottom making it increasingly shallow and the perfect habitat for aquatic plants (weeds to some). By draining it for a period of months, we hoped to kill back some of the water lilies and obtain open water. This only worked for a short time. I also remember Dr. Niering sending our summer helpers out onto rafts to try to pull out the water lilies with long-handled potato forks. For the second episode later in the 1980s, we kept the pond draining throughout the winter, which froze the exposed plants. This was still not very effective, so in 1992 we did a tentative dredging of just the organic, top layer of pond sediments in the northern section near the theater. This worked for about a decade. In this report you will learn about the 2007 dredging, which has created depths of at least 10 feet in about a quarter of the pond area. We should have aquatic habitat diversity and open surface water for years to come.

A final vivid image for my 2007 memory book is Professor Darrell Morrison at the January Ecological Landscaping Conference creating impromptu landscape designs with brightly colored pastel crayons to the sound of booming classical music in front of a rapt audience of 100 professionals. I won't forget 2007 anytime soon.

Glenn D. Dreyer
Charles & Sarah P. Becker '27 Director



■ ■ ■

Clockwise from top: Noah and Michael Reder find their way at a map and compass workshop.

Member Barbara Lewis places her handmade ornament on a holiday tree.

Professor Robert Askins leads a winter birding trip to the Mamacoke coves.

Opposite page: Specimen in Bonsai and Asian Arts festival





education

O

UR PUBLIC education offerings are designed to provide opportunities for adults and children to interact with and learn about the natural world. Many utilize our unique plant collections and natural areas as outdoor classrooms. A total of 985 participants attended the following Arboretum educational programs during 2007:

Winter — Spring

“Nature’s Unseen Influences and the Art of Garden Design,” a two-day professional symposium for landscape architects and designers featuring Tom Wessels, Darrel Morrison and eight additional speakers

“Winter Birds of Mamacoke,” a walk with Professor Robert Askins

“Winter Tree Identification,” a workshop with Grounds Supervisor Jim Luce

“Brewing Beer at Home” with Professor Manuel Lizarralde and Beta Zuniga

“The Earth Knows My Name,” a book discussion with Arboretum Assistant Director Kathy Dame

“Mamacoke Mysteries – A Geology Hike” with Environmental Studies Lecturer Beverly Chomiak

Pruning Workshop with Jim Luce

“Geological History of Long Island Sound,” a lecture/workshop for educators with Visiting Professor Ralph Lewis

“It’s Arbor Day,” a tree planting ceremony

Annual Wildflower Walk with Director Glenn Dreyer

“Woodland Wildflowers,” a children’s program with volunteer Caroline Driscoll and Kathy Dame

Summer

“No Child Left Inside: Connecting Children with the Outdoors,” a talk by Connecticut Department of Environmental Protection Commissioner Gina McCarthy at the Annual Members’ and Friends’ Night

Discount Plant-Buying Trip for Members sponsored by Prides Corner Farms, Lebanon, CT

“Petromania: A Passion for Stones,” a lecture with art historian Noelle O’Connor
Bonsai and Asian Arts Festival
Basket Weaving, a workshop with Manuel Lizarralde
“Meskwaka,” a community tree volunteer training workshop

Fall

“Arboretum Meadows in Bloom,” a walk with Glenn Dreyer
“Name that Tree!” a workshop and walk with Jim Luce
Mum and Pumpkin Sale
“The Environment from a Tree’s Perspective,” a workshop for educators by Lori Brant, educator with The Connecticut Forest and Park Association
“At Home with Herbs: Living the Herbal Way,” a day-long seminar with Sarah Greene, Joanne Grubert, Joann Warren, Amy Hicks, and Carol Gauthier
“The Pumpkin Circle,” a children’s program with Kathy Dame and volunteer Roberta Brouwer
Annual Fall Foliage Walk with Glenn Dreyer
“Bounty and Beauty in your Yard,” a SALT Seminar with lectures on: ethnic gardens by Patricia Klindienst; invasive plants by Glenn Dreyer; insect pest control by Robert Durgy; and healthy soils with Robert Rafka.
“Mamacoke Island Geology,” a walk with Beverly Chomiak
“Finding Your Way with Map and Compass,” a workshop with Beverly Chomiak
“Creating Holiday Ornaments” with volunteers Nancy Pattenaude and Caroline Driscoll
“Trimming the Holiday Tree” with Arboretum staff
“Making Holiday Wreaths,” a workshop with Arboretum Curator Mary Villa and Senior Groundsperson Chip McIlwain

■ ■ ■
Opposite: CT DEP Forester Chris Donnelly teaches at Meskwaka workshop.
Below: Participant Mike Nadeau and organizer Larry Weaner at the January conference





■ ■ ■

Clockwise from top:

Full house at annual SALT conference

CT DEP Commissioner Gina McCarthy speaks on “No Child Left Inside.”

Darrel Morrison, professor and dean emeritus at the University of Georgia, designs on stage at the January “Nature’s Unseen Influences” conference.

Participants in wreath making workshop



8th Annual Capturing the Beauty of Nature Photo Contest

This year the photo contest attracted 82 entries in four categories. All photos in the contest were taken in the 750-acre College arboretum property. Photos were on exhibit in the Olin Science Center lobby for two weeks in early June and were the centerpiece of the Annual Members' and Friends' Night reception.

Many thanks to the 2007 Photography Contest judges: science illustrator and artist M. J. Brush, Director of Special Collections Laurie Deredita and Senior Lecturer in Biology Susan Warren.

2007 WINNERS:

Childrens Category

First Place – Kristen Wagman for “Lion’s Mane”
Honorable Mention – Lillith Davies-Smith for “Flowers”
Honorable Mention – Sonja Campbell for “Hissss!”

Teen Category

First Place – Taylor Campbell for “A Perfect Reflection”
Honorable Mention – Sale Dole for “Berries”
Honorable Mention – Taylor Campbell for “Aquatic Forest”

Adult Category – General

First Place – Mark Braunstein for “Ferns and Fallen Fall Foliage”
Second Place – Jeff Sims for “Fiddleheads”
Third Place – Kristine Wayman for “Ripples and Reflections”
Honorable Mention – John Sargent for “The Shapes of Skunks”
Honorable Mention – Lynford Wayman for “Pond View”
Honorable Mention – Barbara Zorcone for “Desmond’s Dream”

Adult Category – People in Nature

First Place – Candice Chambers for “Nature’s Gift”
Honorable Mention – Julia Simons for “Self Portrait”
Honorable Mention – Denise Davies for “Stop and Smell the Flowers”

Plant Sales

“It’s All About Flowers” took place on May 11 for the College community and on May 12 for the public and featured gift plants for Mother’s Day.

A “Mum and Pumpkin Sale” on September 28 coincided with the College’s Fall Weekend, which brought many parents and alumni to campus.

Public Tours

On Sunday afternoons from May to October, the Arboretum offers free public tours of the three major plant collections led by volunteer docents. Approximately 120 visitors participated in these walks.

ARBO Project

ARBO Project is an education program that fosters environmental stewardship and enhances science education for local school children. Connecticut College students are trained to lead environmental education walks in the Arboretum for children of all ages. The program is led each year by an intern in the College’s Office of Volunteers for Community Service with guidance from Arboretum staff. The program was coordinated during spring of 2007 by Natasja Eerens '06 and in the fall Peter Baum '07. A total of 498 children participated in 47 tours during the year.



Right top: Kathy Dame presents a photo contest award to Kristen Wagman.

Right bottom: Arbo Project Coordinator Peter Baum '07 (on left) leads a walk.





outreach



Arbo Project Leaders

Shelly Alminas '10 (student coordinator)
Elizabeth Archer '10
Peter Baum '07
Rebecca Beachell '09 (student coordinator)
Melanie Bender '10
Alyson Brokaw '11
Hayley Curtis '09
Natasja Eerens '06
Tristan Husby '09

Hana Kolibiarova '08
Nicole LaConte '11
Blake McDonald '10
Sarah Melstrom '07
Danielle Murphy '10
Frank Jeff Nemec '09
Laura Schmidt '08
Farrell Thayer '09

Poetry Contest

The Arboretum, in collaboration with The Sierra Club and A Living Museum, sponsored a Poetry Contest for third, fourth and fifth graders in the New London school district. Approximately 200 entries on the subject "the planet Earth" were judged by: Roberta Brouwer, Claire Calabretta, Ashley Hanson '82, Julie Lehman, Nancy Livensparger, Anne Lizarralde '91, Joanna Negri, Sheila McPharlin, Sandra Morse, Sally Taylor and Pamela Wright.

The following awards were presented on Earth Day 2007:

Grade 3

First Place - Tyrise Thompkins, Harbor School
Second Place - Adrian Vega, Harbor School
Second Place - Francisco Santos, Winthrop School
Third Place - Delaney McPhail, Harbor School

Grade 4

First Place - Da'Jon Uzzle, Winthrop School
First Place - Antonio Valentin, Winthrop School
Second Place - Savannah Lynn Cordova, Winthrop School
Honorable Mention - Jawann Goodson, Winthrop School
Honorable Mention - Dayzawn David, Winthrop School
Honorable Mention - Blamely Cepeda, Winthrop School
Honorable Mention - Miguel Vega, Winthrop School

Grade 5

First Place - Stalone Sylvestre, Winthrop School
First Place - Corey Jerome Capers, Winthrop School
First Place - Nicole Rodriquez, Winthrop School
Second Place - Derick Torrico, Winthrop School
Second Place - Justice Adams, Winthrop School
Second Place - Isaiah Smith Thomas, Winthrop School
Third Place - Khadija Dubose, Winthrop School
Third Place - Miguel DeJesus, Winthrop School
Third Place - Aryel Brosnan, Winthrop School

Wild Ones

The Connecticut Mountain Laurel Chapter of Wild Ones, which was founded by Nancy Livensparger and Kathy Dame in 2006, attracts members from various parts of the state to participate in the monthly meetings at the College. Wild Ones is a national organization that advocates and educates about naturalistic landscaping and the use of native plants in gardening. This year, Wild Ones participated in the Connecticut College Earth Day/Community Day and in the annual SALT Seminar. The officers are: President Nancy Livensparger, Vice President Mike Wuenscher, Treasurer Roberta Brouwer and Secretary Sandra Morse. In addition, Julie Lehman serves as program chair; Allen Gauthier is communications chair, and Kathy Dame is the advisor.

■ ■ ■

Clockwise from top:

Spring Plant Sale

Autumn mum and pumpkin sale. From left, Kathy Dame with volunteers Jean Baker and Roberta Brouwer.

Members and Friends Night guests at photo contest exhibit

The Mountain Laurel Chapter of the Wild Ones

Children's ornament making workshop







■ ■ ■
Jason Mancini
(center) and his
ethnohistory
class visit Bolles
farm site.



teaching and **research**

C

COLLEGE teaching and research have been important aspects of the Arboretum since its founding in 1931. The Botany Department faculty has included a plant ecologist, beginning with William A. Niering in 1953, and ecology and environmental studies have been primary activities since that time. This year Charles “Chad” Jones joined the faculty to teach plant ecology and plant systematics, among other courses. Chad came from the University of Washington, and his primary research examines how disturbances affect vegetation and the patterns of spread for invasive species. Professor Jones used the Arboretum almost weekly for his Systematic Botany and the local flora class during fall 2007.

In Professor Lizarralde’s Ethnobotany of Southern New England course, students scoured the Arboretum, identifying and mapping all the Arrowwood Viburnum (*Viburnum recognitum*) shrubs they could find. The stems of this shrub were used by local Native Americans to make arrow shafts for hunting. The students not only used GIS (Geographic Information Systems) techniques to explore the spatial distribution of the shrubs in relation to environmental factors, but also learned to make arrows from the plants.

Visiting Assistant Professor Jennifer Boyd’s plant physiology class used Mountain Laurel shrubs along the Arboretum Laurel Walk in an experiment comparing leaves on plants growing in dry, sunny conditions to those in shady, damp conditions.

Professor Robert Askins continued the long-term breeding bird census in the Bolleswood Natural Area, which was established in 1952. Every other year, Professor Askins and a few dedicated volunteers spend 10 weeks identifying and mapping singing, male birds in the Bolleswood. In the spring, they create maps representing all the territories of breeding bird pairs. This year, a student in Environmental Studies Lecturer Beverly Chomiak’s GIS class began to work with maps from this project to show how bird populations have changed in the second half of the 20th century.

Melinda Wells ’08 worked with Jean C. Tempel ’65 Professor of Biology Stephen Loomis on her senior project in a self-designed biological illustration major. During summer 2007, she collected samples of animals and plants from the Arboretum Pond and then drew them for her portfolio.

Visiting Lecturer Jason Mancini brought his Ethnohistory of Minority Communities in Southern New England class to view the remnants of subsistence farms in an area that included the homesteads of freed slaves. The former farms are located along Bolles Road, a dirt path that leads north from Gallows Lane through the middle of a large tract of Arboretum property. The most prominent home and farm site was established by Samuel Bolles in 1763. This was the first time faculty and students from the College studied these remnants.

In Lecturer Beverly Chomiak’s Introduction to Geographic Information Systems class, student final projects are often based on work performed in the Arboretum. The 2007 projects included a study of possible locations for wind energy turbines, locations of fox dens, Mamacoke Marsh drainage patterns, and the mapping of long-term vegetation study transect data.

■ ■ ■

Top: Melinda Wells '08 paddling on the pond, looking for specimens to illustrate.

Middle: Botany Professor Chad Jones with students in the Arboretum

Bottom left: Meghan Lucy '07 (left) and Beverly Chomiak do field work for Mamacoke Marsh GIS project

Bottom right: Professor Manuel Lizarralde with Arrowwood arrow shafts.

Opposite page: New laser etched plant accession labels are much more legible than previous ones



plant collections



Native Plant Collection

Curator Mary Villa produced and mounted more than 1,000 accession labels to trees and shrubs in the Native Plant Collection. Her efforts were greatly facilitated by the purchase of a new Versalaser engraving machine. The Arboretum's still functioning mechanical engraving apparatus was donated to the College's Physical Plant Department. Display labels were also created for the plants noted in the recent "Ethnobotany in the Arboretum" pamphlet. Mary began work with Stacey Detwiler '09 on a new checklist for the native tree and shrub collection.

In an ongoing effort to prevent destruction of the Native Plant Collection and Bolleswood Natural Area by deer browsing, we continued the fence raising project begun last year. An additional three feet of light chain link fencing was attached to the top of 1,200 feet of an existing seven-foot fence that runs down the middle of the electric transmission right-of-way near the Arboretum's southern boundary. Northeast Utilities generously arranged to have both sides of the fence cleared of vegetation to facilitate access by the fence installers.

Caroline Black Garden

For the first time in its history, The Caroline Black Garden was marked by a sign visible from Mohegan Avenue. The garden is considered by some to be the best kept secret on campus, and the new sign should make it a bit easier to find. The sign is the same style as the one for the Native Plant Collection on Williams Street and matches the many attractive signs that were erected all over campus this year. Another feature added for visitors was an enclosed, notice box near the main entrance that contains a map and other information about the garden.

Curator Mary Villa and Stacey Detwiler '09 completed an inventory and labeling of the Caroline Black Garden during the summer of 2007. The last comprehensive survey of this collection was done by intern Jessica Korecki '00 in 2000. There are now approximately 600 accessioned trees and shrubs in this four-acre garden. New additions this year included: *Erica x darleyensis* 'Mediterranean Pink,' Mediterranean Pink Heath; *Lespedeza thunbergii*, Thunberg Lespedeza and *Wigela florida* 'Variegata,' Variegated Old Fashioned Weigela.

The very large Copper Beech (*Fagus sylvatica* "Atropurpurea") that marks the middle border of the "great lawn" in the Black Garden lost a large limb during September. While not very noticeable from the lawn, the landmark tree is missing much of its back side. A local arborist pruned and cabled the Beech later in the winter. The good news is that the accident cleared a good-sized area for planting shrubs in the future.

■ ■ ■

This page right: New pet waste station makes Native Plant Collection more pleasant for visitors and staff.

Below: New information box near Black Garden entrance

Opposite page clockwise from top: Temporary fencing protects campus landscape during summer construction projects.

Perimeter fence was extended to 10 feet high along part of Arboretum south boundary.

New sign at Rte. 32 for the Caroline Black Garden





Campus Landscape Collection

This summer was the start of a College “asset reinvestment” program, which will include millions of dollars worth of road rebuilding, new patios and walkways, and major building renovations. A lot of work was planned for the short time between reunion and the start of classes in September. One of the many challenges was to minimize damage to our beautiful and mature campus landscape. The Arboretum was very involved in working with construction managers and contractors to specify the location of chain link fence panels placed to protect plantings from construction traffic and material stockpiling.



New Plantings:

- Acer palmatum* var. *atropurpureum*, Redleaf Japanese Maple, memorial for Andrew Berlowe '84
- Cercis canadensis* 'Forest Pansy,' Forest Pansy Eastern Redbud
- Cladrastis kentukea*, Kentucky Coffeetree.
- Cornus kousa* 'Elizabeth Lustgarten,' Elizabeth Lustgarten Kousa Dogwood, in honor of Sandy Morse
- Cytisus x praecox* 'Hollandia,' Hollandia Scotchbroom
- Liriodendron tulipifera*, Tulip-tree, memorial for Daniel Patrick O'Neil
- Magnolia stellata* 'Royal Star,' Royal Star Magnolia
- Malus* 'Centurion,' Centurion Flowering Crabapple
- Malus* 'Red Jade,' Red Jade Flowering Crabapple
- Prunus x incame* 'Okame,' Okame Cherry
- Quercus bicolor*, Swamp White Oak

Total accessioned trees and shrubs in 2007,
by collection:

	TREES	SHRUBS
Native Plant Collection	1037	1224
Campus	1486	234
Caroline Black Garden	173	418
total	2696	1876

Arboretum Pond and Theater Enhancements

Longtime Arboretum members will remember that the first project to deepen part of the Arboretum Pond took place in 1992. This year, a larger scale effort was undertaken to make approximately one acre of the water body at least 10 feet deep. This left three quarters (the remaining shallow section) to continue on its path to become an emergent marsh. The purpose of this effort was to increase habitat diversity in a location that is of primary importance to casual visitors and to our academic departments. Deep water that is free of aquatic vegetation year-round develops the thermal stratification typical of deeper ponds and is more useful in teaching and research and more visually attractive. Draining began in mid-August, and the project was completed by mid October. The pond will naturally refill itself in a few months. The Arboretum is grateful to the USDA Natural Resources Conservation Service office of Connecticut for partially funding this project. Generous Gifts from Neil and Sylvia Van Sloun, Alexander Combs '79 and Joanne Morton '76, and a bequest from Pricilla Pasco '39 also provided significant support for this project.





■ ■ ■

Clockwise from top left:

North end of pond looking east, before project in mid-July

Excavator at work in mid-September (view from below Laurel Walk)

Many boulders to break and remove

Almost done (from Outdoor Theater stage)

Partially refilled by late October



■ ■ ■
This page from top:
Hemlocks and Arborvitae
that surrounded the theater
were gone by April
Fill hauled from pond to
elevate audience area
Bryan Goulet spreading
seed on new audience area
surface
Opposite page: Grass
growing again by late
October



The Arboretum Outdoor Theater, to the north of the pond, also underwent major changes during 2007. The screen of Eastern Hemlock trees surrounding the theater, which had been sprayed to control hemlock wooly adelgids for the previous 15 years, was completely removed. Also eliminated were the Eastern Arborvitae on the wings of the stage, which had been ruined by deer browsing. A small portion of the material excavated from the pond was used to gradually elevate the audience area of the theater to a maximum increase of about four feet at the rear. Both stage and audience areas were reseeded with turf grass at the end of the growing season. Additional landscaping plans were not yet finalized by year's end. The Outdoor Theater renovation was funded by a bequest from the late Pricilla Pasco '39, a botany major and co-author of Arboretum Bulletin No. 3, "A Plant Handbook."

The Arboretum is grateful to the following contractors who made the pond and theater enhancements a success: John W. Deering, for help with planning and permits; Dave and Andy King of A-2 Maps and Survey, for design and permit help and for civil engineering services; Don Fortunato of Soil and Environmental Services, for wetland delineation; and Bill Pieniadz and all of his staff at P&H Construction.





■ ■ ■

Opposite page: Cake for Dr. R. Scott Warren's retirement party

This page clockwise from top: Dr. Goodwin (left) with Dr. Warren at the latter's retirement party in May

Dr. Goodwin (center) with his student Sally Richards '54 and her husband Elmer in January



The summer crew, from left: Bryan Goulet, Katie Warren, Chris Gunderson and Chip McIlwain. (Andrew Napoli '07 was not present.)





Staff

There were no changes in the Arboretum Staff during 2007. For names of Arboretum employees, please see the list at the end of this report.

Long-time research associate and friend of the Arboretum, Dr. R. Scott Warren, retired from his position as the Jean C. Tempel '65 Professor and Chairman of the Connecticut College Botany Department in June 2007. A plant physiologist by training, Dr. Warren was convinced early in his career at the College by then Arboretum Director William Niering to work on tidal marsh ecology problems. He became a nationally recognized tidal marsh and estuary researcher and taught generations of students general botany, microbiology, plant physiology and tidal marsh ecology. Among his many professional publications were four Arboretum Bulletins. Dr. Warren was a stalwart supporter of the Arboretum and valued advisor, particularly in the area of campus politics. His retirement plans include continuing a number of tidal marsh research projects.

Arboretum Director Emeritus Richard Hale Goodwin died on July 6, 2007 at the age of 96. Dr. Goodwin served as professor and chair of the Botany Department from 1944 to 1976, and was Arboretum Director from 1944 to 1965. Among his many achievements, Dr. Goodwin was responsible for increasing Arboretum holdings from 90 to 450 acres, for establishing the Arboretum's Bolleswood and Mamacoke Natural Areas, and for ensuring that ecological and environmental teaching and research became the hallmark of our institution. In 1969, he established one of the nation's first undergraduate degree programs in environmental studies, which was then called human ecology. In 1999, the College's Center for Conservation Biology and Environmental Studies was named for Dr. Goodwin and his colleague, Dr. William Niering.

Dr. Goodwin remained very active to the end of his life, particularly in managing and adding land to The Nature Conservancy Burnham Brook Preserve that surrounded his home in East Haddam, CT. In 2002 he published his autobiography, *A Botanist's Window on the Twentieth Century* (Harvard Forest, Petersham, MA) and in 2007 completed a book detailing the history of the Burnham Brook Preserve. He regularly attended Arboretum Members' and Friends' Night and other Arboretum events.

On October 20 students, colleagues, friends and family gathered at Harkness Chapel to remember this great man. Barbara Shattuck Kohn '72, chair of the Connecticut College Board of Trustees and one of the College's first human ecology majors, welcomed the attendees. Dr. David Foster '77, director of Harvard Forest, represented the hundreds of students whose lives Dr. Goodwin influenced. Two of his colleagues, Professors Emeritus Sally L. Taylor and R. Scott Warren shared their memories of working with him. College Trustees Helen Fricke Mathieson '52 and Dr. Linda J. Lear '62 read poems. For additional information about Dr. Goodwin, please see the Related Links section of the Arboretum Website (<http://arboretum.conncoll.edu>).

Student Workers

Students provide much needed help in many aspects of day-to-day Arboretum operations. We are pleased to recognize the contributions of the following students who worked with our staff during 2007:

Academic Year

Michael Antoinetti '10
George Arab '07
Sophia Brand '09
Charles Cochran '10
Ariella Cohen '10
Brandan Collins '11
Leia Crosby '09
Stacey Detwiler '09
Alex Ellison '10
Slavina Georgieva '07
Alana Harris '08
Richard Hederstrom '09
Alec Lager '09
John Lansing '09
Fiona MacLean '08
Brian McVeety '08
Mike Meade '10
Stephen Mery '08
Tara Morazzini '09
Elizabeth Parillo '07
Nick Peng '10
Analisie Rios '08
Jenna Rosenwasser '08
Seth Stulen '07
Jennifer Superson '08
Alex Tenenbaum '07
Kenny Torsey '10
Sam Watters '09
Boryana Zhelyazkova '10
Rachel Zwick '08

Summer

Stacey Detwiler '09
Chris Gunderson
Andrew Napoli '07
Katie Warren

Volunteers

In 2007 the Arboretum was pleased to have 48 volunteers who donated time in many different ways. Some helped with horticultural maintenance, while others presented educational programs. Free, Sunday afternoon tours from May through October were conducted by 13 different volunteer docents. Other volunteer activities included working at plant sales and conferences and acting as judges for photography and poetry contests. This year a volunteer committee was formed to help Kathy Dame plan and present children's programs. One volunteer redesigned the Arboretum display cases in the Olin Building Lobby, and another spent many hours writing a book of tips to help docents who give ethnobotany tours.

In March, Arboretum staff presented an all-day volunteer training seminar, for both experienced and new volunteers, that covered the history of the college and the Arboretum as well as background on the three major plant collections. In May, the staff kicked off the growing season with a volunteer barbecue. In October, volunteers gathered for an end-of-season potluck, thank-you dinner, both at Buck Lodge.

2007 Volunteers

David Arnold
Platt Arnold '64
Karen Askins MA '85
Robert Askins
Jean Baker
Roberta Brouwer
Nancy Burrows '97
Virginia Butler
Claire Calabretta
Beverly Chomiak
Diane Christensen
Richard Conway
Laurie Deredita
Wendy Dreyer
Caroline Driscoll '84
Louise Fabrykiewicz
Joan Flynn
Allen Gauthier
Kenneth Graham
Kathi Green
Ashley Hanson '82
Diane Hitchcock '75
Julie Lehman
Nancy Livensparger
Anne-Marie Lizarralde '91
Manuel Lizarralde
James Luce



Top: Curator Mary Villa with her assistant Stacey Detwiler '09

Bottom: Michael Harvey '94, Jim Luce and Jeff Smith.

Janice McCue
 Sheila McPharlin
 Sandra Morse
 Susan Munger
 Joanna Negri
 Becky Nortz
 Noelle O'Connor
 Marlene Oko
 Lydia Pan
 Nancy Patenaude
 Betty Pinson
 Wendy Rappaport
 Ed Ricutti
 Mike Rottas
 Cynthia Shanley
 Elizabeth Smith
 Ed Suter
 Mari Suther
 Sally Taylor
 Sue Warren
 Sheila Wertheimer '84
 Kathryn Williams
 Michael Wuenscher
 Students from The Williams School

Members

The Connecticut College Arboretum gratefully acknowledges the financial contributions made by the following individuals and organizations in 2007. We strive to accurately maintain our records and appreciate receiving corrections.

Patrons

Combs, Alexander C.
 Deering, John W.
 Fosseen, John & Linda
 Lynch, Mrs. Ronald P.
 Morton, Joanne McKean
 Pasco, Priscilla
 Ryder, Mrs. Bertram
 Simmons, Mrs. Matthew R.
 Sylvan Nursery, Inc.
 Van Sloun, Neil & Sylvia
 Wheeler, Mrs. J. Arthur

Sponsors

Arkava, Harold
 Bradford, Mrs. Derek
 Dayton, Helen F.
 Dreyer, Glenn & Wendy
 Harlow, Margaret H.
 Johnson, Michael

Kimball, Marion C.
 Kronick, Joan
 Leonard, Mr. & Mrs. W.C., Jr.
 Marston, Bill & Nancy
 Miles, Lynn W.
 Moulton, David
 Myers, Mr. & Mrs. Robert
 Porter, Marcia W.
 Record, Stephen & Mary Sue
 Richards, Susan G.

Families, Individuals and Organizations

Addy, Mary Ellen
 Allen, Renee Mercaldo
 Anderson, Mr. & Mrs. James B.
 Anderson, Joellen
 Anderson, Mr. & Mrs. Dexter
 Anderson-Wick, Marta
 Anthony, Doris P.
 Arbor Garden Club of Clinton
 Arnold, David & Platt
 Askins, Dr. & Mrs. Robert
 Augustiny, Mary E.
 Baird, Bridget
 Barberi, Debra & Barrett, Jay
 Barnes, Elizabeth M.
 Barnes, Dr. Phillip
 Blackford, V. & Cuddy, W.
 Blair, Mr. & Mrs. Richard
 Bodin, John & Ellen
 Bolles, Patricia
 Bradlaw, Dr. June
 Branford Garden Club
 Brensilver, Dr. & Mrs. Howard
 Brouwer, Roberta
 Brown, Lauren
 Burrows, Nancy J.
 Calabretta, Claire
 Carr, Vonice
 Cheo, Mr. & Mrs. Peter
 China Trade Bonsai Society
 Chomiak, Beverly
 Christensen, Diane
 Clark, Joseph
 Collins, David
 Corcoran, Elizabeth Sargent
 Country Gardeners of Glastonbury
 Cowen, James
 Crosby, Phyllis
 Crosby, Rebecca T.
 Cross, David
 Davis, Anne
 Densmore, Ellen B.
 Deredita, Laurie
 Douglas, Barbara

Douglas, Jayne
 Dreyer, Mr. & Mrs. John W.
 Driscoll, Elizabeth
 Driscoll, Caroline K.
 Duck River Garden Club
 Dutcher, Craig C.
 Elliott, Susan
 Essex Garden Club
 Finkelstein, Irene
 Fisher, Emily
 Flynn, Ken & Joan
 Garbutt, Carol Bayfield
 Glastonbury Garden Club
 Goldsmith, Mr. & Mrs. Timothy
 Graham, Mr. & Mrs. Kenneth E.
 Grobe, Dr. Carl W.
 Grube, Augusta
 Grunbaum, James
 Haderer, Elizabeth
 Hammen, Kari B.
 Helms, Molly A. & Donald
 Henderson, Greg G.
 Hermann, Barbara
 Hine, Jan
 Hine, Mr. & Mrs. Thomas L.
 Hirata, Robert M.
 Hollister, Mr. & Mrs. James M.
 Howell-Heller, Penelope
 Inguanti, Joseph
 Isbister, Anne H.
 Johnson, Kathleen
 Joseph, Patricia A.
 Karp, Daniel N.
 Korecki, Jessica M.
 Kraynak, Susan L.
 Krohn, Karen & Pendergast, John
 Krusen, Gordon
 Lambert, Kristin & Brian
 Lantz, Paul & Kathy
 LaPorte, Margaret A.
 Learned, Leslie S.
 Leary, Judith
 Lee, Rosalie B.
 Leinbach, Jill L.
 Lindberg, Amanda A.
 Lindo, Sigrid E.
 Longwood Gardens, Inc.
 Loynes, Janet & Keener, Jeffrey
 Luckraft, Dorothy
 Malootian, Mr. & Mrs. Markay
 Manning, Gloria C.
 Marchand, Janet
 Masi, Nanette B.
 Matt, Barry
 Maxwell, R.M. & Barber, Mary
 Stewart



McCabe, Maureen
 McCracken, Mrs. Robert F.
 McDonald, Lois E.
 McGeorge, Mrs. William B.
 McGuire, Mrs. Francis F.
 McGuire, James C.
 McIntosh, Edmee
 Meade, Ken & Carol
 Meier, Kristin H.
 Meneice, Lee M.
 Miceli, Robert J.
 Middletown Garden Club
 Moore, Christina
 Mrouse, Mr. & Mrs. Martin
 Munger, Susan
 Mystic Garden Club
 Nalwalk, Anne H.
 New London Garden Club
 Newman, Martha Ann
 North Stonington Garden Club
 Nortz, Rebecca A.
 O'Connor, Noelle
 Oko, Marlene M.
 Old Greenwich Garden Club
 Pan, Lydia C.
 Pantalone, Sarah K.
 Parnall, Ruth
 Patenaude, Nancy R.

Payer, Joyce H.
 Penniman, Chris
 Perot, F. Kincaid
 Pillote, Mrs. Robert L.
 Pinson, Betty A.
 Plecs, Robert L.
 Post, Mr. & Mrs. Robert H.
 Puddington, Paul
 Purtill, Joseph J.
 Ramsay, Mrs. Dwight T.
 Reeve, Helen
 Resnikoff, Henry B.
 Reynolds, R.
 Reynolds, Elizabeth Fields
 Ricard, Dan & Marie
 Ricci, Richard C.
 Rinek, Marilyn M.
 Ritter, Mrs. Julius C.
 Robins, Kate
 Robinson, James T.
 Roper, Peter & Terri
 Rottas, Michael & Melinda
 Rubin, Larry
 Sargent, John & Linda
 Sayres, Starr E.
 Seed, Mr. & Mrs. Milton
 Sherman, Mr. & Mrs. Robert
 Shilstone, Marian Ruth

Smith, Thomas P.
 Solnit, Martha
 Spencer, Mr. & Mrs. Willard J.
 Stidfole, Mr. & Mrs. James
 Stutts, Susanne M.
 Sullivan, Beth
 Tapley, Isabelle D.
 Taylor, Peggy
 Taylor, Sally
 Thames River Garden Club
 Tillman, Wanda E.
 Tredinnick, Frank Jr.
 Trillium Garden Club
 Twigg, Mrs. Richard W. Jr.
 Van Dine, Cassie
 Verplank, Anne A.
 Walsh, Louise S.
 Walther, David C.
 West Hartford Garden Club
 Westerlund, Wendy
 Westport Garden Club
 White, Ellen V.
 Wilkins, Marilyn
 Williams, Barbara P.
 Woody, J. Melvin
 Youngquist, Martha
 Zarcone, Barbara



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Top left: Volunteer David Arnold speaks with DEP Commissioner Gina McCarthy at Members' and Friends' Night.

Top right: Caroline Driscoll is happy to be at the Bonsai and Asian Arts Festival.

Bottom: Volunteers Susan Munger and Sally Taylor help out at the January conference

connecticut college

Barbara Shattuck Kohn '72, *Chair, Board of Trustees*
Leo I. Higdon, *President*
Francis Hoffmann, *Dean of Faculty*
Roger L. Brooks, *Dean of Faculty*

arboretum staff

Glenn D. Dreyer MA '83, *Director*
Katherine T. Dame '90, *Assistant Director for Public Programs*
Anne Davis, *Staff Assistant*
Bryan L. Goulet, *Groundsperson*
Charles McIlwain III, *Senior Groundsperson*
Jeffrey D. Smith, *Horticulturist*
Mary Villa, *Curator/Information Manager*

associates

Robert A. Askins, *Research Associate*
Phillip T. Barnes, *Research Associate*
Beverly A. Chomiak, *Research Associate*
John W. Deering, *Earth Management Consultant*
Richard H. Goodwin, *Technical Advisor*
Pamela G. Hine MA '84, *Research Associate*
Manuel Lizarralde, *Research Associate*
Stephen H. Loomis, *Research Associate*
T. Page Owen, *Research Associate*
Sally L. Taylor, *Education Consultant*
R. Scott Warren, *Research Associate*

campus grounds staff

James Luce, *Grounds Supervisor*
Lee Bowker, *Groundsperson*
Mike Campagna, *Groundsperson*
Kraig Clark, *Groundsperson*
Bryant Roy, *Groundsperson*
Lori Kessel, *Groundsperson*
Lynn Manza, *Groundsperson*
Brian Marks, *Groundsperson*
Joseph Serwinski, *Groundskeeper*
Robert Stammel, *Senior Groundskeeper*
George Yuhas, *Head Mechanic*



