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2000

### Arboretum Annual Report, 2000

Connecticut College

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



A scenic view from a wooden deck overlooking a large body of water, framed by trees and a wooden railing. The deck is made of light-colored wood and has a dark wooden railing with vertical balusters. The water is calm and reflects the sky. The trees are lush green, and the overall atmosphere is peaceful and natural.

THE 2000 ANNUAL REPORT OF THE  
CONNECTICUT COLLEGE ARBORETUM



# CONNECTICUT COLLEGE ARBORETUM MISSION STATEMENT

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, Zoology, 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 both 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 enhance people's understanding of the natural world and foster an understanding of the Arboretum's mission.

## FROM THE DIRECTOR

THE FIRST YEAR of the new millennium found the Arboretum as strong as any time its history, and also engaged in important transitions. Here is a short list of some of the highlights in my mind.

### OUR CONTINUING STRENGTHS:

Members who remain loyal supporters of the Arboretum over many years.

Volunteer programs that invite members of the community to help in the interpretation and management of our landscapes gathered momentum.

Education programs that combine the art of horticulture with the science of ecology are flourishing.

College Teaching and Research branching into different disciplines with recent appointments in Geology and Ethnobotany.

Plant Collections enhanced with new plantings and additional maintenance efforts.

The Campus Master Planning process produced a final report emphasizing the need to reclaim the central portions of college campus from automobiles, for pedestrians and landscapes.

### OUR CHALLENGING TRANSITIONS:

A Research Director and plant ecologist position vacant with the passing of Dr. William A. Niering last year.

A President who resigned from her post after leading Connecticut College for 12 years.

Hemlock forests essentially dead after first being attacked by the Hemlock Woolly Adelgid about 14 years ago.

The Botany Department began the process of searching for a new plant ecologist, while the College considered what kind of person should lead us into the new millennium. The Bolleswood Natural Area Hemlocks will eventually be replaced by other species, and we will document those changes and learn from them.

The College and the Arboretum remain strong and vital institutions thanks to our dedicated faculty and staff working together with our loyal alumni and friends. At the close of each year, I take the time to briefly reflect on our progress, and I am always grateful for the opportunity to be involved in an enterprise that I believe makes an important difference both to people and the natural world. Think of this report as an Arboretum Window on the year 2000, and enjoy the view!

Glenn D. Dreyer

Charles and Sarah P. Becker '27 Arboretum Director



*Director Glenn Dreyer speaking at the Arbor Day Tree Planting Ceremony*



## EDUCATION

“New Directions in the American Landscape,” a two-day symposium for landscape architects and designers, attracted 118 participants to the college in mid-January. Entitled, “The Art and Science of Natural Landscape Design,” it examined the state of the art of ecological landscape design, featuring some of the nation’s leading practitioners in an informal and interactive setting. The symposium was dedicated to the memory of Dr. William A. Niering, 1924-1999. It was co-sponsored by the Morris Arboretum of the University of Pennsylvania and by Larry Weaner’s New Directions in the American Landscape, and was offered in both New London and Philadelphia.

Our public education programs got off to a good start in late January with an afternoon slide/lecture presentation by art and garden lecturer Judith Doman speaking on “Preservers of Paradise: 19th Century American Landscape Painters as our First Environmentalists.” Sue Quincy from the Kellogg Environmental Center presented the second winter Sunday afternoon lecture in early February entitled “Folklore of Connecticut” in which she focused on the myths and legends associated with several towns in Connecticut attempting to explain the scientific phenomena behind the lore. Connecticut College’s own Manuel Lizarralde presented a mini-course entitled “An Introduction to Ethnobotany,” pointing out the relationship of people to their plant world. Arboretum Horticulturist Jeff Smith conducted an extremely popular “Beginner’s Bonsai” workshop in March, and Grounds Supervisor Jim Luce’s annual spring pruning lecture/workshop filled to capacity. A bus trip to the New England Spring Flower Show in Boston took place in March, and participants had the opportunity to enjoy 40 fully landscaped gardens on display, each of which conveyed the 2000 theme of “Symphony for the Senses.” “Perennial Combinations” was the topic addressed by Mary Ann McGourty from Hillside Gardens in April, and Carol Lemmon, an entomologist with the Connecticut Agricultural Experiment Station, delighted the audience with “Butterflies in Your Garden.” In Celebration of National Wildflower Week in May, Arboretum Director Glenn Dreyer conducted the annual Wildflower Walk in the Edgerton and Stengel Wildflower Garden, and Jeff Smith presented a slide/lecture on “Creating a Wildflower Meadow.” “The Plant Invaders” by Glenn Dreyer in May dealt with the topic of why some non-native invasives can damage natural areas, alter ecosystem processes, and displace native species.

Members’ and Friends’ Night in early June was an evening to remember! “Gardening in the Age of Extinction” was the topic of the guest speaker, Janet Marinelli, author of *Stalking the Wild Amaranth* and editor of the Brooklyn Botanic Garden handbook series. Volunteers were acknowledged and awards presented. Prizes for the Arboretum Photo Contest were also awarded and attendees had the opportunity to enjoy the exhibition of the photos in Olin Lounge. A spirit of enthusiasm and camaraderie permeated the evening.

A plant-buying trip to Prides Corner Farms in early June was an opportunity for “Members Only” to buy plants at wholesale prices. This annual event has become a high point for many Arboretum members. A “Pressing Plants” workshop conducted by Jim Luce was held in June. Jim taught participants how to select and collect plants for pressing as well as pressing and mounting techniques for the specimens. Kykuit and Philipsburg Manor in the Hudson Valley were the destination spots for a bus trip at the end of June. Visitors had the opportunity of contrasting the earthiness of the Manor with the opulence of Kykuit. Volunteer Charlotte Robe conducted a workshop “Wildflower Arrangements” in July, and in August Glenn





Dreyer led "An Arboretum Meadow Walk." A demonstration of "Bow Making" was also given in August with Manuel Lizarralde demonstrating how to make simple wood bows from trees found right in the Arboretum

Jim Luce's "Tree Identification" workshop got the fall programs off to a good start, followed by a "Fascinating Fungi" workshop with John Cooke, Professor Emeritus of Biology, University of Connecticut and author of the Arboretum publication, *Common Mushroom of New England*. In October, Joan Faust, author and garden writer for *The New York Times*, presented a slide/lecture entitled "Early Blooming Mini Bulbs; a "Fall Foliage" walk was led by Glenn Dreyer; and Peg Van Patten '87 of Connecticut Sea Grant presented an evening class on "Listening to the Sound," explaining LIS as a complex ecosystem and showing how to help protect it. On Parents' Weekend in October, Dr. Harold Juli led a walk on Mamacoke Island, and in November, Sally Taylor, Professor Emeritus of Botany, taught a mini course on "Knowing and Growing Hollies." Laura Eisner '77 gave a slide/lecture in late November on "Four Season Gardening," sharing her secrets on making a garden a place of beauty regardless of the season. Our annual workshop, "Creating Holiday Wreaths," taught by Jeff Smith, received an overwhelming response. The college community and the public helped to celebrate the "Trimming a Naturalistic Tree," an event celebrating the diversity of the natural world. Participants brought a "natural" ornament to hang on the Douglas Fir that had been placed in Olin Lounge. The response from the college community was enthusiastic, and their creativity excellent.

A total of 807 people participated in these educational programs in the year 2000.

*Opposite page from top:*

*Janet Marinelli, director of publications at Brooklyn Botanic Garden and Professor Phil Barnes on Members' and Friends' Night.*

*Jeff Smith conducting a bonsai workshop for students and faculty.*

*Bus trip participants at Kykuit in historic Hudson Valley.*

*This page:*

*John Cooke with participants foraging for mushrooms.*



## COMMUNITY OUTREACH

### PHOTO CONTEST

“Capturing the Beauty of Nature,” an amateur photograph contest began this year, designed to further extend our outreach into the college community and into the surrounding local communities. To promote an appreciation of Arboretum plant collections, all entries had to be taken in the 750 acre Arboretum. There was an excellent response, and seventy-five photos were submitted. The photos were on exhibition in the Olin Science Center from June 5th through June 23rd, giving the public and the college community an opportunity to appreciate them. Awards were presented on Members’ and Friends’ Night in June with first prize going to Frank Kaczmarek. Oliver Buehn took second prize; third prize went to Diane Thouin, and Honorable Mention went to Kevin DiMinno, Ardie Harrison, John Jackson, and Frank Kaczmarek. Our judges were Jeffrey W. Andersen, Director of the Florence Griswold Museum; Sally Taylor, Professor Emeritus of Botany, Connecticut College; and Mark Braunstein, Visual Resources Librarian, Connecticut College.

### PLANT SALE

Although our 7th Annual Fall Plant Sale was not held until October 14th this year, plants flew out at record speed. Witchazel, azalea, shadbush, viburnum were all gone early in the day, with only a few plants remaining for afternoon shoppers.

This year volunteers added a Volunteer Plant Corner which contained plants donated by Arboretum volunteers from their own gardens, enabling the public to obtain good plants at reasonable prices. Volunteers Caroline Driscoll and Jan Hine organized the corner, and this volunteer venture significantly increased plant sale profits. Sally Taylor donated a variety of bulbs, which were also gone early in the day. A Dwarf Japanese Maple was raffled off, and the Arboretum gained fifteen new members as a result of the sale.

### PUBLIC TOURS

Free public tours, conducted by Arboretum volunteers, were offered to the general public for the fifth year. Every Sunday afternoon at 2 o’clock, May through October, visitors met by the blue Synergy sculpture in front of the Olin Science Center to be led on a tour of either the Campus, the Caroline Black Garden, or the Native Plant Collection. Our public outreach is greatly enhanced by this program, and a total of 185 visited the college to take advantage of this opportunity. As a result of the tours, many people participated in our educational programs, and some became members of the Arboretum.

### ARBO PROJECT

The Arbo Project, coordinated by Hope Dalton ’01 and co-sponsored by the Office of Volunteers for Community Service under the direction of Tracee Reiser, is dedicated to the task of reaching children from the surrounding communities through tours of the Arboretum. Many Conn students became involved in the program, using their knowledge about the natural world to pass on to the younger children. Children gained a knowledge about the changing of seasons, decomposition, plant physiology, plant growth, and many other topics, depending on the season of the year. The following Connecticut College students participated in the Arbo Project: Erica Bushey ’02, Jessica Schneider ’03, Adam Weinberg ’04, Dan Steinberg ’01,



*From the top:*

*Jeffrey Andersen, Sally Taylor and Mark Braunstein judging entries in the first annual photography contest.*

*Charlotte Robe, Arboretum volunteer, at plant sale.*



Jordana Gustafson '01, Kate Tomkins '01, Davinder Singh '02, Leigh Tillman '03, Katrina Pollack '01, and Micah Weisberg '04.

#### OTHER OUTREACH PROGRAMS

An Arbor Day Tree Planting Ceremony in April; a Downtown New London Tree Walk in May as a part of "Portraits of Trees;" a photography exhibition by Tom Zetterstrom at the Lyman Allyn Museum of Art; co-sponsoring the First Annual Health and Wellness Fair in June; and the Flock Theater summer productions of "A Midsummer Night's Dream" and "Twelfth Night" are additional ways the Arboretum stretched its arms out to the community.



*Top: Old Town Mill in New London.*

*Bottom: Staff and volunteers working at the Old Mill.*





## TEACHING AND RESEARCH

One of the most important uses of Connecticut College Arboretum lands is as a living laboratory for biological and environmental sciences. The rich history of faculty-student teaching and research, which probably began in the Caroline Black Garden in the mid-1920s, continues today with exciting and innovative programs in a variety of departments

With the recent addition of a faculty position in Geology, a series of new courses have begun to take advantage of this unique resource. Professor Douglas Thompson's "Introduction to Physical Geology" class used the Arboretum for four outdoor labs sessions, and his "Earth Surface Processes and Landforms" class was in the Arboretum for three labs during 2000. The "River Hydrology and Hydraulics" course used the Arboretum as its primary focus, and spent the entire semester planning a restoration project for an eroding drainage channel near the College Athletic Center. In 2000, Heidi Johnson '00 completed an independent study investigating the influences of tidal fluctuations groundwater in tidal wetlands located on the cove south of Mamacoke Marsh.

Professor Robert Askins published a book "Restoring North America's Birds" which draws on his experiences in the Arboretum and elsewhere for a landscape ecology approach to birds and their habitats. He worked with Wendy Dreyer and Mary Dowdell to complete bird censuses in two study sites (oak-hemlock forest and thicket-young forest) in the Bolleswood Natural Area during the summer of 2000. The proximity of a variety of habitats in the Arboretum allows Professor Askins to require an intensive, semester-long field research project in his "Animal Ecology" course. Four of the 14 students in the class completed their independent projects in the Arboretum.

Professor Manuel Lizarralde of the Botany and Anthropology Departments used the Arboretum for two tours highlighting "useful" plants during his Ethnobotany Course in the Fall of 2000.

William Joyce '00 worked with Arboretum Director Glenn Dreyer on an individual study that resulted in a landscape design for the college's renovated north dormitory complex. This will be used as a guide to completing the landscape plantings around these important student residences.

The Botany Department hired Dr. Robert McMaster as a Visiting Professor to teach plant ecology and plant systematics courses formerly offered by Professor William A. Niering. The Department received permission to fill a tenure-track faculty position in plant ecology, and began advertising for an ecologist in the Fall of 2000.

## PUBLICATIONS, PAPERS AND PRESENTATIONS

Askins, R. A. 2000. Restoring North America's Birds. Lessons from Landscape Ecology. Yale University Press, New Haven, CT. 320 pp

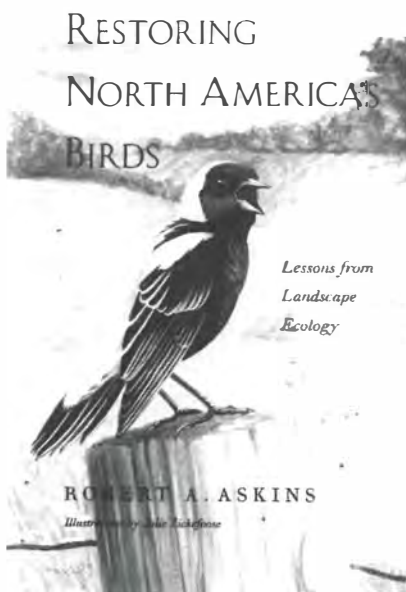
Dreyer, G.D. and W.R. Dreyer. 2000. Naturalization of two ornamental grasses in Connecticut. Newsletter, Conn. Bot. Soc. 27(4):7-8.

Dreyer, G.D. The Value of Notable Trees: Links to our History. In A Workshop on Mature Tree Care. Conn. Tree Protective Association. Dec. 5th. New Haven.

Dreyer, G. D. Understanding and Managing Vegetation Change in Naturalistic Landscapes. In Practical Solutions for Restoring Ecological Balance in Pittsburgh's Historic Urban Parks. Pittsburgh Parks Conservancy. May 8, Univ. of Pittsburgh

Johnson, Heidi. 2000. Tidal influences on groundwater geology. Individual Study. Physics, Geophysics and Astronomy Department.

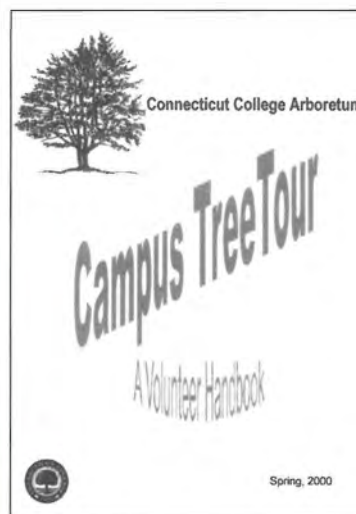
Trees of the Connecticut College Campus. 2000. A 24 panel, full color informational brochure produced and published by the Connecticut College Arboretum.



*Left:* Restoring North America's Birds: lessons from Landscape Ecology by Professor Robert A. Askins.



*Center:* Trees of the Connecticut College Campus brochure.



*Right:* Campus Tree Tour, A Volunteer Handbook.



# PLANT COLLECTIONS

## NATIVE PLANT COLLECTIONS AND NATURAL AREAS

A new garden bed was added to the Lillian and Lincoln Gries Memorial Conifer Collection during June. Located south of the circular stone patio, the new plants were all Eastern North American native species or cultivated varieties of native species. This was the first major addition to this collection since it was established in 1988. On Reunion Weekend, the Conifer Collection was the site of a memorial tree planting in honor of the Class of 1950 members who were no longer living. In June, it was the location for a Gries family reunion.

## NEW PLANTS IN THE CONIFER COLLECTION:

*Abies balsamea* f. *hudsonia*  
*Arctostaphylos uva-ursi*  
*Chamaecyparis thyoides* 'Andelyensis Conica'  
*Chamaecyparis thyoides* 'Heatherbun'  
*Chamaecyparis thyoides* 'Little Jamie'  
*Juniperus communis* 'Pencil Point'\*  
*Juniperus horizontalis* 'Glomerata'  
*Juniperus virginiana* 'Berkshire'\*  
*Juniperus virginiana* 'Grey Owl'  
*Juniperus virginiana* 'Royo'\*  
*Juniperus virginiana* 'Skyrocket'  
*Leiophyllum buxifolium* var. *prostratum*  
*Picea glauca* 'Conica'  
*Picea glauca* 'Echiniformis'  
*Picea glauca* 'Ed Hirtle'  
*Picea mariana* 'Nana'  
*Pinus banksiana* 'Uncle Fogy'\*  
*Pinus sylvestris* 'Hillside Creeper'\*  
*Pinus virginiana* 'Watts Golden'\*  
*Potentilla fruticosa* 'Katherine Dykes'  
*Tsuga canadensis* 'Cole's Prostrate'  
*Tsuga canadensis* 'Frosty'\*  
*Tsuga canadensis* 'Gentsch White'\*  
*Tsuga canadensis* 'Jervis'\*  
*Tsuga canadensis* 'Katherine Verkade'\*  
*Vaccinium angustifolium*

\*Taxa new to the Arboretum collections

A stormwater management renovation project was begun in September in the northeastern corner of the Native Plant Collection. Runoff from much of the western portion of the main campus is piped under Williams Street and dispersed underground in the slope north of the Laurel walk. Now about 25 years since they were installed, the ends of the system have silted full and water was blowing out of a man hole and eroding deep channels in the slope. Half of the silted pipes were removed and replaced with large concrete dry well type structures, with cleanout access on their tops. This has stopped the overland flow, but additional work was still needed to replace the southern half of the system in order to more evenly distribute the water.

The portion of the Arboretum north of Gallows Lane and south of the gas pipeline right-of-way is now known as the Richard H. Goodwin Natural Area. Access from Gallows Lane is via Bolles Road, a wide dirt trail dating back to the colonial period. The steeper portions of Bolles Road have been eroding away for years, and during the summer John W. Deering, Arboretum Earth Management Consultant, helped our staff add processed stone to improve access and storm water management.

## MEMORIAL PLANTINGS

*Acer saccharum* 'Bonfire', in memory of Ginny Bergquist Landry '70  
*Cercis canadensis* 'Forest Pansy', In memory of departed classmates, 1950  
*Magnolia stellata* 'Royal Star', in memory of Hillary Fein '03  
*Malus* 'Centurion', two trees in memory of Sidney Davidson Morgan '67  
*Quercus coccinea*, class of 1975 25th Reunion  
*Sorbus aucuparia* 'Cardinal Royal', Meskwaka Tree Program '00

## GREENHOUSE COLLECTIONS

The Arboretum staff cares for the college greenhouse, which was built in 1935 and is located on the south side of New London Hall. It is home to an extensive teaching collection of tropical plants used most often in Plant Systematics and Ethnobotany courses. There is a room partially dedicated to propagating and growing plants for various botany labs, and another with raised soil beds for General Botany Student Gardens. During winter, a project of identifying and labeling the tropical plants in the collection continued. The west or "Tropical" room in the greenhouse was redesigned and replanted. This room features many plants in the ground (most greenhouse plants are in containers), numerous epiphytes growing upon a Redcedar snag, and a small pool and waterfall. It was last renovated in 1988. Our staff grew about 500 small houseplants over the summer, which were given to incoming freshmen as a gift from the Arboretum.



*Above: Plaque at Harris*

*Below: Greenhouse, tropical room.*







*From the top:*

*Arboretum Intern Keith Bowman '99 with student workers Stephanie Matthews '01 and Daisy Small '03*

*Jennifer Kryzak, Volunteer Intern*

*Jessica Korecki '00, Arboretum Intern*

## STAFF & ASSOCIATES

As part of Connecticut College's commitment to support the local community, the Arboretum horticultural staff has "adopted" the grounds of New London's Old Mill. One of the most historic sites in the region, it was built in 1650 by John Winthrop, Jr., the founder of New London. It was a thriving monopoly for many years, with a water wheel turning two gigantic sets of grinding stones. Corn, wheat and other grains were made into flour at one of the earliest industrial sites in Connecticut. Burned by Benedict Arnold's British troops during the Revolutionary War, it was rebuilt and was an active business until after the turn of the Twentieth Century. It is now owned by the City, and part of the building houses the New London Neighborhood Alliance.

The Old Mill is located directly downhill from the College, underneath the northern span of the Goldstar Bridge in the Hodges Square section of New London. Arboretum Director Dreyer joined the "Old Mill Preservationists," a group of volunteers and city officials actively working to renovate the mill, get it back in working condition and develop it as an educational tourist destination. He, the Arboretum horticulture staff and a variety of other college volunteers have spent many hours cleaning up the overgrown landscape, which includes a rocky, swift flowing stream that will someday once again power the grinding stones. One of the biggest challenges has been combating the invasive plants like Oriental Bittersweet and Japanese Knotweed.

Camp Harkness, a recreational facility especially for people with handicaps, is operated by the Connecticut Department of Mental Retardation. It is located next to Harkness Memorial State Park on Long Island Sound in Waterford. The Arboretum was asked by the Camp Harkness Booster Club to help with a project to re-plant the entry loop road with new trees. A Norway Maple planting in this location was in terrible shape, and many trees were removed by the Department of Transportation arborists. Arboretum staff inventoried the existing planting, made recommendations for pruning and removals, developed a new tree planting plan for 30 oak trees of four different species; wrote an RFP for the planting, provided quality control for the installation, and performed an initial pruning.

*A Campus Tree Tour: A Volunteer Handbook* was completed by Keith Bowman '99, Arboretum Intern and Kathy Garvin '90, Assistant Director – Education and Outreach. The handbook contains botanical information and pictures of 45 campus trees that docents often point out to visitors on tours of the campus. Landscaping tips, notes of interest, and a campus map are also included. Another boost to campus tours is the new Arboretum brochure *Trees of the Connecticut College Campus* which is given by docents to campus visitors. Glenn Dreyer, Keith Bowman, Kathy Garvin, James Luce, and Susan Lindberg comprised the committee that worked on this publication.

## INTERNS

Arboretum Intern – Jessica Korecki '00

Arboretum Intern – Keith Bowman '99

Volunteer Intern – Jennifer Kryzak

Following his graduation in 1999 with a major in Botany, Keith Bowman began his internship at the Arboretum, further developing our website, inventorying campus trees, helping to develop the campus tree brochure, the volunteer handbook of campus trees, and performing duties as needed. Following his internship, Jessica Korecki who graduated in 2000 with a major in Botany, replaced Keith and also worked

developing the website, library research, teaching classes for the educational programs for the Arboretum, and performed other duties as needed. Jennifer Kryzak, Arboretum Volunteer Intern, worked for a half of semester doing tree inventories, data entry, and other horticultural and computer tasks. The Arboretum is grateful for the consistent work she did on a volunteer basis.

## STUDENT WORKERS 2000

### SPRING

Bess Bayne '00  
Lisette Partelow '03  
Julie Groce '01  
Dan Greenblatt '99  
Emily Brownell '02  
Sam Fox '03  
Graham Grilli '03  
Stephan Apse '03  
Winfield Gray '03  
Chris Topp '03  
Emmalee Westwood '00

#### *Volunteers:*

Lisa Ekman '03  
Melanie 'Daisy' Small '03  
Erik Kling '03

### SUMMER

Stephanie Mathews '01  
Melanie 'Daisy' Small '03  
Emmalee Westwood '00

### FALL

Julie Groce '01  
Emily Brownelle '02  
Dan Greenblatt '03  
Graham Grilli '03  
Stefan Apse '03  
Eliot Stalen '04  
Kassie Rohrbach '04  
Susie Mattke-Robinson '04  
Leah Murphy '04

#### *Volunteer:*

Courtney Geeter '03





## VOLUNTEERS

Volunteers play a vital role in supporting the Arboretum staff in fulfilling its mission. Although their worth cannot be measured, we try to show our appreciation to them in several ways, including educational opportunities, social events, and volunteer awards.

May 2000 found the volunteers and staff enjoying a bus trip to Harvard's Arnold Arboretum to visit the diverse collections found there. In June, Professor Robert Askins taught a Bird Identification class for volunteers and whetted their appetites to learn more about this fascinating topic. July found Professor R. Scott Warren leading volunteers, umbrellas in hand, on a tour of Barn Island in Stonington, pointing out various types of salt marsh plants and discussing the environmental impacts and the important role salt marshes play in our world. Just for fun, in April, we kicked off the official volunteer season with a barbecue at Buck Lodge and ended the season with a potluck supper at the lodge in November.

Our "Volunteer of the Year" awards this year went to Ginny Butler and Lee Klade' for outstanding service. The awards were presented on Members' and Friends' Night in early June. All together the following volunteers donated 619 hours to the Arboretum, working as Hort Helpers, docents, teachers, and in various other capacities. Volunteers are unquestionably a rich resource from which the Arboretum draws.



*From the top:*

*Ginny Butler and Lee Klade, Volunteers of the Year*

*Professor R. Scott Warren leading volunteers on a walk at Barn Island.*

*Volunteers on a visit to Arnold Arboretum.*

Jeffrey Andersen  
 David Arnold  
 Robert Askins  
 Jean Baker  
 Elaine Berman  
 Richard Berman  
 Pat Bolles  
 Mark Braustein  
 Nancy Burrows  
 Virginia Butler  
 Margaret Crowther  
 Mary Dowdell  
 Caroline Driscoll  
 Lisa Ekman  
 Joan Faust  
 Emily Fisher  
 Joan Flynn  
 Allen Gauthier  
 Kari Hammen  
 Ashley Hanson  
 Jan Hine  
 Harold Juli  
 Barbara Kashanski  
 Carol Kimball  
 Lee Klade  
 Eric Kling  
 Kenneth Kraus

Linda Lillie  
 Susan Lindberg  
 Manuel Lizarralde  
 James Luce  
 Edmee' McIntosh  
 Sandra Morse  
 Nancy Morse  
 Nancy Patenaude  
 Betty Pinson  
 Barbara Pokorny  
 Marilyn Rinek  
 Charlotte Robe  
 Arlene Scott  
 Robert Sherman  
 Melanie Small  
 Natasha Stoczek  
 Sally Taylor  
 United Way Day of Caring  
 (People's Bank in Norwich)  
 Charlene Law  
 Jane Moriarty  
 Wendi Richardson  
 Joe Scherer  
 R. Scott Warren  
 Sheila Wertheimer  
 Becky Williams



*Clockwise from left:  
Bench by the Arboretum Pond  
in the Native Plant Collection.*

*Bryan Goulet, Physical Plants,  
forages for mushrooms in the  
Native Plant Collection.*

*Canadian goose in the  
Arboretum Pond.*

*Volunteers and staff enjoy the  
beauty of Arnold Arboretum.*





## LIST OF MEMBERS

### PATRONS

Blake-Coleman, Wendy  
Combs, Alexander  
Hazlewood, Margaret  
Kimball, Marion  
Ryder, Bertram Mrs.  
Van Sloun, Neil Mr. & Mrs.  
Walther, David C.  
Wheeler, J. Arthur Mrs

### SPONSORS

1941 Graduate  
Arkava, Harold  
Avalonia Land Conservancy  
Berman, Richard Dr. & Mrs.  
Crosby, Rebecca T.  
Dawley, Scott  
Dayton, R. James Mrs.  
Dreyer, John W. Mr. & Mrs.  
Fosseen, John & Linda  
Graham, Jonathan  
Hanson, Ken Mr. & Mrs.  
Homeier, Jean Gries  
Kashanski, Barbara  
Kataja, Nancy J.  
Kronick, Joan  
Kuehn, Faith Blersch  
Matthews, Peter  
Newman, Martha Ann  
Parker, James W. Mr. & Mrs.  
Porter, Eliot Mr. & Mrs.  
Ricklin, Lois  
Smith, Marion B.  
Verplanck, Anne A.

### INDIVIDUALS, FAMILY AND SUPPORTING MEMBERS

Allcock, Jennifer  
Allen, Renee Mercaldo  
Ames, Oakes Mr. & Mrs.  
Anastos, Rosemary Park Dr.  
Anderson, Dexter Mr. & Mrs.  
Ansel, Carol  
Arnold, Bruce Mr. & Mrs.  
Arnold, David & Platt  
Arnold, John  
Askins, Robert Dr. & Mrs.  
Augustiny, Mary  
Babbitt, Eleanor C.

Bacon, Elva A.  
Bailey, Amey Schenck  
Baird, Bridget  
Barberi, Debra  
Barnes, Phillip Dr.  
Barrows, Winston  
Bisbee, Ethan Mr. & Mrs.  
Bischoff, Terry  
Blackford, V. & Cuddy W.  
Blair, Richard Mr. & Mrs.  
Bobruff, Jane  
Bodin, John & Ellen  
Bogart, Skip  
Bolles, Patricia  
Botelle, Heather  
Bowen, Leila  
Bowman, Donald  
Bradford, Derek Mrs.  
Bradford, Eugenie  
Bradlaw, June Dr.  
Bradley, Stephen R. Mrs.  
Branford, Garden Club  
Brennan, James  
Brensilver, Howard Dr. & Mrs.  
Brooks, Walter Mr. & Mrs.  
Brown, Lauren  
Brown, Robert  
Brown, Russell W. Mr. & Mrs.  
Burrows, Nancy  
Burt, Julie  
Butler, Virginia B.  
Chambers, Rayanne  
Cheo, Peter Mrs.  
Chu, Charles Mr. & Mrs.  
Clark, Jane  
Clark, Joseph  
Clements, Lynn Day  
Coleman, Leslie & Carolee  
Collins, Gail  
Comstock, Joseph Mr. & Mrs.  
Connell, Kincaid P. Mrs.  
Conway, Richard  
Copp, Belton A. Mr. & Mrs.  
Coughlin, Roberta  
Cowen, James Rev.  
Coyne, Jeanne  
Crawford, Heather  
Crawford, Sara  
Crosskey, John Mr. & Mrs.  
Culp, Jeff & Arline  
Cunningham, Elizabeth  
Dale, Dennis J.  
Danaher, Anne  
Davies, Judy  
Davis, Anne

Davis, Martha G. Mrs.  
Deguise, Pierre & Alix Mr. & Mrs.  
Dickinson, Jane  
Dimaggio, Gellestrina  
Dimock, Alice  
Docorato, Michael Dr.  
Dodd, Samuel G. Dr. & Mrs.  
Dodson, Vita B.  
Doro, Marion E.  
Doucette, Kimberly  
Doyle, John F. Mr. & Mrs.  
Dreyer, Glenn  
Driscoll, Caroline  
Dubow, Barbara  
Duck River Garden Club  
East Lyme Garden Club  
Eaton, Fred Mr. & Mrs.  
Enders, Anthony Mr. & Mrs.  
English, Josephine  
Essex Garden Club  
Evans, John Mr. & Mrs.  
Facenda, Arnold Mr. & Mrs.  
Faust, Joan Lee  
Ferlow, Donald Mr. & Mrs.  
Fine, Marshall  
Fiorelli, Janet C.  
Fischer, John L. Mrs.  
Fischetti, Paula McDonald  
Fisher, Emily  
Froshauer, Susan  
Gabinelle, Gregg  
Gallup, Ruth Ellen  
Garbutt, John Mrs  
Gaylord, Harvey Mrs.  
Glastonbury Garden Club  
Glista, Barbara  
Goddu, Lloyd W. Mrs.  
Goheen-Huettner, Shannon R.  
Goldsmith, Maryhelen  
Gongaware, H. P. Mrs.  
Goodman, Robert C. Mrs.  
Goodwin, Richard H. Mr. & Mrs.  
Graham, Kenneth Mr. & Mrs.  
Green, Martha  
Greenler, John M.  
Gries, David D.  
Griffiths, Gareth  
Grobe, Carl  
Gross, Roger Mr. & Mrs.  
Grube, Augusta  
Hammen, Kari  
Hammond, Ulysses B.  
Hamsher, Gail  
Hanlon, Camille C.  
Harlow, Margaret H.



Hay, Walter Mr. & Mrs.  
 Hayes, David & Julia M.  
 Hellmann, Barbara  
 Hendrickson, Marie A.  
 Hermann, Barbara  
 Hersey, Jeanette  
 Hesselgrave, Helen  
 Highstead Arboretum  
 Hill & Dale Garden Club  
 Hine, Thomas L. Mr. & Mrs.  
 Hirata, Robert M.  
 Hitchcock, Diane  
 Holland, Carden  
 Holland, Marjorie M. Dr.  
 Howell-Heller, Penelope  
 Hoyt, John  
 Hughes, Mary  
 Isbister, Anne H.  
 Jabara, Richard Mr. & Mrs.  
 Jagger, George  
 Jaynes, Richard A. Dr.  
 Johannsen, Ronalee  
 Johnson, Arlene C.  
 Johnson, Ilse  
 Johnson, Michael  
 Jones, Marjory L.  
 Joseph, Patricia  
 Juli, Harold Dr.  
 Just, Trudi  
 Kallio, Mary  
 Keanon, Judith  
 Kelly, Shannon  
 Kelly, Virginia K.  
 Kent, Mary R.  
 Kimball, Carol  
 Kirmmse, Bruce  
 Klade, Lee  
 Klagsbrun, Suzanne  
 Klein, Laurie  
 Kraus, Kenneth G.  
 Krohn, Karen  
 Kruidenier, Elizabeth S.  
 Krusen, Gordon  
 Kuhn, Mary Varley  
 Labaree, Linda  
 Ladd, Ruth Ritter  
 Lantz, Paul D. & Kathy  
 Laporte, Margaret  
 Lash, Stephen  
 Lena, Hugh Dr.  
 Leonard, W. Mr. & Mrs.  
 Lillie, Linda K.  
 Lindberg, Amanda A.  
 Linsley, Julia  
 Lipinski, Christopher Mr. & Mrs.

Longwood Gardens, Inc.  
 Loomis, Stephen & Jeanne  
 Loynes, John H. Mr. & Mrs.  
 Lyme Garden Club  
 Lynch, Ronald Mrs.  
 Macmorrow, Marilyn  
 Macri, Maria  
 Malootian, Markay Mr. & Mrs.  
 Maltese, Allison M.  
 Manchester Garden Club  
 Manning, Dorothy B.  
 Manning, Gloria C.  
 Marks, Pamela J.  
 Marston, William  
 Masters, Martin  
 Mathieson, Helen  
 Matt, Barry  
 Matthews, Jesse  
 Maxwell, Edward H. Mrs.  
 McCabe, Maureen  
 McCallum, Joan E.  
 McCann, Jennifer  
 McGeorge, William B. Mrs.  
 McGuire, Francis F. Mrs.  
 McGuire, James C.  
 McIntosh, Edmee  
 Mckeehan, Fredrick Dr. & Mrs.  
 McPherson, Barbara  
 Meier, Richard B.  
 Meneice, Lee M. Mrs.  
 Middletown Garden Club  
 Miles, Lynn W.  
 Mitchell, W. A. Dr. & Mrs.  
 Moffett, Sabine  
 Moll, Patience  
 Moody, William Mrs.  
 Moore, Christina  
 Morse, Sandra  
 Moulton, David  
 Mrouse, Elizabeth  
 Munger, Susan  
 Munson, Richard E. Mr. & Mrs.  
 Myers, Deborah C.  
 Nale, Robert F.  
 Nalwalk, Anne H.  
 Naturescapes, Inc  
 Neary, Mary G.  
 New London Garden Club  
 Newington Garden Club  
 Nickerson, Judith W.  
 Niering, William A. Mrs.  
 North Stonington Garden Club  
 O'callahan, Louise A.  
 O'neill, Kathleen Sargent  
 Oko, Marlene M.



*From the top:*

*Carol Kimball and Ginny Butler at Plant Sale.*

*Nancy Burrows working at Plant Sale.*

*Sandy Morse and Jeff Smith at Plant Sale.*

Old Greenwich Garden Club  
 Olmstead, Nancy C.  
 Olmstead, Susan E.  
 Ott, Rose  
 Otto, Elizabeth Ann  
 Patenaude, Nancy R.  
 Payson, Herta  
 Peak, Paul R. Mrs.  
 Percy, Stephen Mr. & Mrs.  
 Peyton, Henry A. R. Mr. & Mrs.  
 Phillips, Patricia & Ted  
 Pierce, Joan W.  
 Pillote, Robert L. Mrs.  
 Pinson, Rex Mrs.  
 Plecs, Robert L.  
 Poinier, John Mrs.  
 Poirier, Scott & Judy  
 Pokorny, Barbara  
 Portland River Valley Garden Club  
 Porucznik, Marjorie A.  
 Powers, Alice S.  
 Prentice, Joan  
 Rablen, Elizabeth P. Dr.  
 Racy, Ann S.  
 Ramsay, Dwight T. Mrs.  
 Ramsay, Susan H.  
 Rathbone, Gloria A.  
 Rathbone, Margaret  
 Rauch, Lynn Homeier  
 Reder, Michael  
 Reeve, Helen  
 Renski, Dale Ann  
 Resnikoff, Henry Mr. & Mrs.  
 Reynolds, Elizabeth Field  
 Ricard, Dan & Marie  
 Ricci, Richard C.  
 Richards, Betty  
 Richards, Sarah W.  
 Richards, Susan G.  
 Rinek, Marilyn M.  
 Ritter, Julius C. Mrs.  
 Robe, Charlotte  
 Robinson, James T.  
 Robinson, Katharine H.  
 Rocco, Mary Ann P.  
 Rogers, Brian D. Mr. & Mrs.  
 Roper, Peter & Terri  
 Russel, James Mrs.  
 Ryan, Sarah M.  
 Saenger, R. Alfred Dr. & Mrs.  
 Sanderson, Robert Mr. & Mrs.  
 Sayres, Starr E.  
 Schaefer, Patricia  
 Schlesinger, Ernest C. Prof. & Mrs.  
 Schneller, Richard Mr. & Mrs.

Schulze, Paul F. Mr. & Mrs.  
 Scribner, A. Clayton Mr. & Mrs.  
 Seibel, Ann W. Ching  
 Semel, Elinor W.  
 Shafner, Matthew Mr. & Mrs.  
 Shelburn, Jeanne L.  
 Shepard, Margaret B.  
 Sherman, Robert Mr. & Mrs.  
 Shoolman, Eliot B. Mr. & Mrs.  
 Silfen, Lyn  
 Silver, Stephen Dr.  
 Slosberg, Liesbeth  
 Smith, Alan  
 Smith, Joan H.  
 Smith, Thomas  
 Souza, Joan  
 Spencer, Willard J. Mrs.  
 Stidfole, James Mr. & Mrs.  
 Stiles, Amy  
 Stonington Garden Club  
 Stotts, Susan W.  
 Strickler, Richard & Joan  
 Stutts, Susanne M.  
 Sullivan, Beth  
 Suter, Edward Mr. & Mrs.  
 Sutphen, John & Eunice  
 Swanson-Kubaska, Susan  
 Swatsburg, Harry Mrs.  
 Taddonio, Beth  
 Taylor, Peggy  
 Taylor, Sally L.  
 Thacher, Peter Mr. & Mrs.  
 Thames River Garden Club  
 Thomson, Betty Dr.  
 Touw, Jeanne L.  
 Towers, Shavaun  
 Tredinnick, Jr. Frank.  
 Trillium Garden Club  
 Tucchio, Barbara  
 Tucker, Addie

Twitchell, Elizabeth F.  
 Wagner, Dorothy  
 Wagner, Gilbert  
 Walgren, Paul R.  
 Walsh, Louise S.  
 Warren, Susan W.  
 Wassung, Mary W.  
 Wertheimer, Sheila M.  
 West Hartford Garden Club  
 Westerlund, Wendy  
 Westport Garden Club  
 Wetmore, Eleanor  
 Wheeler, Bernice M.  
 White, William Blunt Mrs.  
 Wiles, John C. Dr. & Mrs.  
 Willard, Gordon Mr. & Mrs.  
 Willauer, George J.  
 Williams, Alfred Mrs.  
 Williams, Carolyn Pierce  
 Williams, Edward P. Mrs.  
 Williams, Rebecca A.  
 Wilson, M. & McNally S.  
 Wolff, Susan  
 Wood, Wendy  
 Woody, J. Melvin  
 Woolfolk, Virgil N.  
 Worm, Vagn  
 Zuraw, Elizabeth

*Betty Pinson and Sally Taylor at Philipsburg Manor.*



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Charles McIlwain III, Groundsperson  
William A. Niering, Research Director  
Jeffrey D. Smith, Horticulturist  
Craig O. Vine, Horticultural Assistant

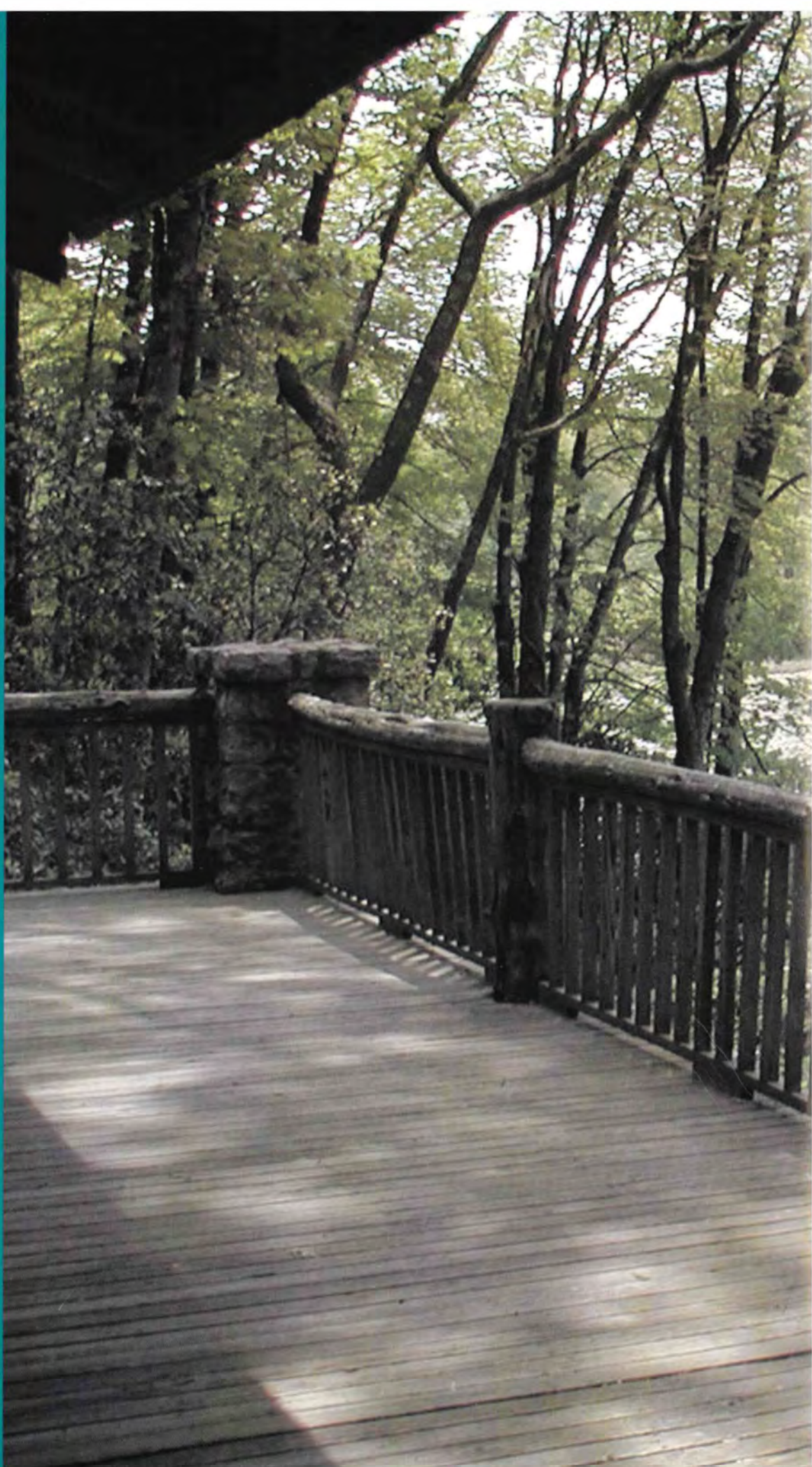
## ASSOCIATES

Robert Askins, Research Associate  
John W. Deering, Earth Management Consultant  
Paul E. Fell, Research Associate  
Richard H. Goodwin, Technical Advisor  
Pamela G. Hine MA '84, Research Associate  
Harold D. Juli, Research Associate  
Richard Orson MA '83, Research Associate  
Sally L. Taylor, Technical Advisor  
R. Scott Warren, Research Associate

## CAMPUS GROUNDS STAFF

Jeff Clark, Groundskeeper  
John Driscoll, Groundsperson  
Julio Feliciano, Groundskeeper  
Brian Goulet, Groundsperson  
John Gordon, Mechanic  
Larry Holloway, Groundsperson  
James Luce, Grounds Supervisor  
Lynn Manza, Groundsperson  
James Neff, Groundsperson  
Tom Palazzo, Groundsperson  
George Palmer, Garageperson  
Joseph Serwinski, Groundskeeper  
Robert Stammel, Work Leader  
Max Yuchniuk, Groundsperson





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