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### Arboretum Annual Report, 1992

Connecticut College

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





# ARBORETUM

ANNUAL REPORT OF THE CONNECTICUT COLLEGE ARBORETUM, 1992





**ON THE COVER:**

South cove and tidal marsh, Mamacoke  
Island Natural Area. Photograph by Mark  
Matthew Braunstein.



# 1992 Report

**EVEN MORE THAN IN THE PAST, 1992 WAS A VERY BUSY AND** productive year in the Connecticut College Arboretum. Confronted with so much to try to communicate to our members and friends, I sought help from the Office of College Relations, which agreed to lend a hand. You are holding the fruits of our collaboration, and I hope you agree this new report format is an informative and enjoyable means to recap the activities and initiatives of 1992. Graphic Designer Sharon Butler and Publications Director Chuck Luce were particularly cooperative and creative in their efforts to convey some of the excitement and promise of the Connecticut College Arboretum.

One of my most important priorities over the past few years has been fostering an understanding of the broad role the Arboretum can and should play in the life of the college and the greater community. By working within the college's strategic planning process, and with the strong support of Vice President for Finance Lynn Brooks and Provost and Dean of Faculty Dorothy James, much progress has been made. For example, the Arboretum finally has a full time, permanent horticulturist, and our office will be a prominent feature of the College's new F.W. Olin Science Center. In the planning stages are a Connecticut College Center for Conservation Biology and a fund-raising campaign for capital and endowment projects. By the new century the Arboretum should be on a firm, sem-independent financial footing and much better able to serve the academic needs of the college and also act as a vital cultural resource for the people of southern New England.

Your regular participation in our programs, visits to the Arboretum and reconnection with the natural world are also important goals in our plan for the future. I hope to see you at a lecture or on a trail in 1993.

With best regards,

Glenn D. Dreyer  
*Director*



**Glenn Dreyer with his class, Botany 317, Woody Plants in the Landscape, Fall 1992 semester.**

Amy Anderson '94.

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## TEACHING THE "TEAM" APPROACH

ON JUNE 6, THE ARBORETUM sponsored a Symposium at Connecticut College titled "Land Use and Development: The Effect on Water Courses and Long Island Sound." The program was conceived and co-sponsored by a group called "Earth Management, The Team Concept" headed by John W. Deering of Bethany, Conn. The 80 attendees learned the basics of Long Island Sound ecology and were tutored in the state and federal regulatory intricacies surrounding new construction projects in Connecticut.

Department of Environmental Protection staff, including DEP Commissioner Timothy R.E. Keeney, private attorneys and design professionals presented detailed information to help developers avoid litigation by understanding both environmental necessities and regulatory processes. "Earth Management, The Team Concept" is a private educational project composed of individuals representing the construction industry, local, state and federal regulators, attorneys, engineers, developers, designers and conservationists, including Bill Niering and Glenn Dreyer. ❧



**RIGHT:** Participants in the June Earth Management Program had lunch in the Outdoor Theater where they discussed the morning programs and learned about the Arboretum Pond Restoration Project (see page 6).



**ABOVE:** Connecticut Department of Environmental Protection Commissioner Timothy Keeney used the June symposium to unveil a new license plate design which will be sold in support of Long Island Sound projects. (Both photos by Glenn Deering.)

**RIGHT:** Meskwaka Tree Project participants get hands-on experience planting street trees during the June training session. The tree is a variety of European Littleleaf Linden and was donated to the college.



## ARBO SPONSORS TREE-PLANTING PROJECT

THE ARBORETUM IS PLEASED to be a co-sponsor of the Meskwaka Tree Project, a volunteer training program which prepares small groups of citizens to establish viable community tree-planting programs in their home towns.

The Meskwaka Project is a component of the University of Connecticut's Cooperative Extension Urban and Community Forestry Program which provides training, resource materials and support to selected volunteer community activists so they may develop new or enhance existing programs and organizations. The first group of 20 volunteers met for a long weekend in June at Connecticut College and used our facilities and trees as part of the training process.

Meskwaka is an Algonquian Indian word meaning "always green." ❧



'92 HIGHLIGHTS & COMING ATTRACTIONS:

## FROM ORCHIDS TO ORNAMENTAL GRASSES

THANKS TO THE dedication of Professor Emeritus Sally Taylor and her program committee, 1992 was once again a very strong year for the Arboretum Educational Program Series. The now-traditional winter Sunday afternoon lecture series was horticulturally oriented this year with talks on ornamental grasses, small trees and low-maintenance gardening. Other programs included a series of hands-on workshops: two more reprises of Gregg TeHennepe's wildly popular home orchid culture workshop, a pruning workshop with Jim Luce, sprouting seeds for mealtime with Mark Braunstein and holiday wreath making with Carol King.

A series of walks in the Arboretum led visitors to Mamacoke Island twice, and to the Native Plant Collections in early spring for wildflowers, late spring for breeding birds and fall for a spectacular autumn foliage display. Many mem-

bers and friends also enjoyed our bus trips to The Brooklyn Botanical Garden, Hillstead House and Garden, Elizabeth Park and The Arnold Arboretum. Special thanks go to The Plant Group in Franklin for allowing Arboretum members a day to shop at a perennial plant nursery at wholesale prices.



The 1993 program season is shaping up to be one of the most exciting ever, beginning in February with an intensive weekend workshop for professional landscape architects and others titled "Naturalizing the Suburban Landscape: Meadows, Woods and Water." Soon after, the winter Sunday afternoon lecture series begins again with a return to the garden history themes so popular in past years. Trips to the PepsiCo Sculpture Gardens, the New York Botanical Garden and to private gardens in Litchfield County are also planned. For current program information, call (203)439-2140. ☘



## ARBO HOSTS PLANT ASSOCIATION

DURING FOUR DAYS IN AUGUST, THE ARBORETUM HOSTED THE annual meeting of the Eastern Native Plant Alliance (ENPA), a non-profit association of organizations which promote and demonstrate native plant conservation in the eastern U.S. and Canada. ENPA provides a network for exchanging ideas, defining issues and facilitating cooperative action. Scientists from the College, the University of Connecticut, the Connecticut Agricultural Experiment Station, The Nature Conservancy and other organizations made two days of presentations and led a day of field trips. As an institution dedicated for over 60 years to stewardship of natural areas and native plants, the Arboretum was pleased to host the meeting and to lead tours of our native plant collections and landscape demonstration areas. ☘



### HIGH PROFILE FOR “THE SECRET GARDEN”

**N**AMED FOR PROFESSOR Caroline A. Black in 1930, the “Black Garden” is a five-acre oasis of beauty under the Arboretum’s special care. After Black’s untimely death, the New London Horticultural Society and Garden Club honored her memory by enhancing the newly established teaching garden with donations of trees and shrubs. In addition, a very lovely water feature was created at the down-slope end of the garden. In 1930 this part of the campus still showed signs of its recent history as a rocky cow pasture and it commanded broad views of the Thames River Valley. The water feature is a series of stepped pools naturalistically worked into the hillside. The lowest pool is a deep cleft in the underlying bedrock. Water was introduced by a hose at the top and eventually would overflow the bottom pool and run down toward the Thames.



The idea of renovating this portion of the garden by installing a system to recirculate the water from the lowest pool up to a small waterfall at the top was championed by Professor Emeritus Sally Taylor. In addition to supervising the masons, plumbers, electricians and other workers, Taylor also formulated a related symposium to raise awareness and appreciation for the garden. The title “The Secret Garden” refers to the 65-year-old botanical facility’s low public and campus profile. Linda M. D. Legassie, who recently

researched Black’s role in shaping the college’s early landscape, spoke about the history of the garden. Sheila Wertheimer, a landscape designer specializing in historic gardens, discussed water features. The half-day affair was capped by detailed tours of the plants and features of the Caroline Black Garden. Don Bezanson of the college grounds crew was on hand to explain the technical aspects of pumps and piping for the recirculating system. ❧



## BUCK LODGE RENOVATED

THE COLLEGE'S POLICY OF MAINTAINING AND UPGRADING ITS FACILITIES HAS led to recent improvements to Buck Lodge. Situated near the north shore of the Arboretum Pond, the lodge was a gift from the family of Francis Buck Taylor '32. Built in 1937, the Bucks also had the foresight to create an endowment fund to provide for the future maintenance of the small stone building. Last year, while a roof reshingling project was under way, four skylights were also installed. The main room is now a much more pleasant space thanks to the addition of sunlight. This summer, new power, phone and communication lines were trenched underground from the Arboretum garage on Gallows Lane, down the gravel drive and into the lodge. Buck Lodge may now be linked to the campus communication and information system as needed. ❧



## FENCE GETS FACELIFT

FENCING 110 ARBORETUM ACRES south of Gallows Lane took decades and culminated in the installation of the decorative iron fence along Williams Street in the 1970s. Neglected in the wake of hurricane cleanups and other recent priorities, the 1,000-plus feet of fence looks brand new again thanks to a new coat of shiny black paint. And thanks also to those whose unrestricted gifts to the Arboretum make such seemingly mundane, but nonetheless critical, maintenance possible. ❧



## STILL WATERS RUN DEEP, AGAIN

FROM FUND RAISING TO REFILLING, 1992 WAS THE YEAR OF THE POND. Since its creation by damming an existing wetland in 1928, the Arboretum pond has slowly become less deep and more vegetated. In the interests of regaining open water habitat for teaching, research, recreation and aesthetic purposes, a plan was formulated to deepen the northern portion. Since one of the Arboretum's primary goals is the enhancement of species and habitat diversity, planning also called for a large section to continue to develop as an emergent freshwater marsh.

After learning late in 1991 about an anonymous alumna's fundraising challenge gift of \$30,000, Arboretum members and friends joined in generously donating an additional \$30,000 for the project (see page 16). With the total financing in place by the end of March, Glenn Dreyer and pond consultant John W. Deering applied to both the New London Conservation Commission and the New London Planning and Zoning Commission for the necessary permits. A well thought-out plan, together with workshops and infor-

mational meetings, helped to convince the commissions to okay the project.

With permits in hand, the "plug" was pulled in early July and preparation of the access roads began by July 15. By waiting until mid-summer, normally the driest time of the year, draining the pond caused minimal disruption to the breeding cycle of resident animals. Although this proved to be one of the rainiest summers on record, Jack Deering's years of experience and his "environmentally friendly" construction methods allowed the project to be completed on time and on budget.

A layer of organic sediment and aquatic plant material approximately two feet deep was skimmed off with a dragline and trucked to a nearby "dewatering" area. The result is an average water depth of four to five feet in the three-quarter acre area near Buck Lodge and the Outdoor Theater. In addition, numerous large rocks were removed and a series of deeper holes, one up to 10 feet, was excavated in the pond bottom. The "plug" was

## TIME LINE

1940



Most alumni remember the pond with lots of open water, as seen in this circa 1940 photograph.

1985



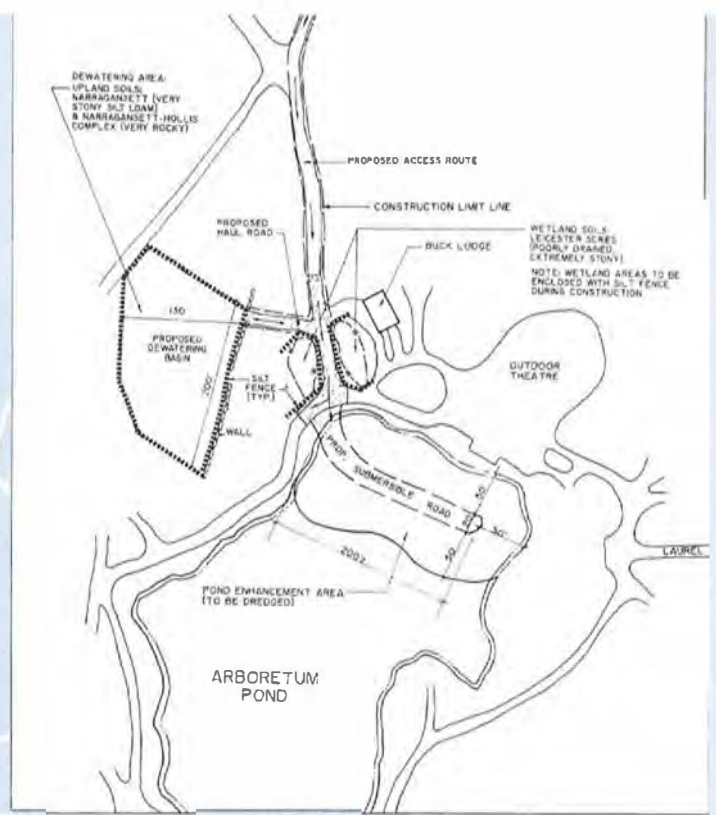
By 1985, floating-leaved and emergent aquatic vegetation dominated the scene.



Nut  
Trees

replaced in mid-August and by October the water level was back to normal. By December, the entire pond was suitable for skating. Come see for yourself!

This important and complex undertaking would not have succeeded without the generosity and vision of a special Connecticut College alumna who envisioned the Pond Project as a way of reconnecting alumni with the college. Others who were instrumental in our success and deserve thanks from our members and friends include: Betsy Riggs '74 and the college development office, who accomplished the fund raising; pond committee members Nancy Olmstead '73, Barbara Kashanski '54; Maggie Philbrick '85, Laurie Rardin '83, Sally Taylor, Henry Resnikoff, Dick Goodwin and Bill Niering; Jack Deering who donated countless hours of professional time planning and completing the project; Richard Snarski who flagged the wetland boundaries, Grumman Engineering Associates, Norwalk, who donated their drafting services; and Tilcon-Tomasso Corp., which supplied gravel and stone. ❀



The site plan for the pond dredging project shows the area deepened, access roads and the place where the pond muck was piled to dry.



August  
1992

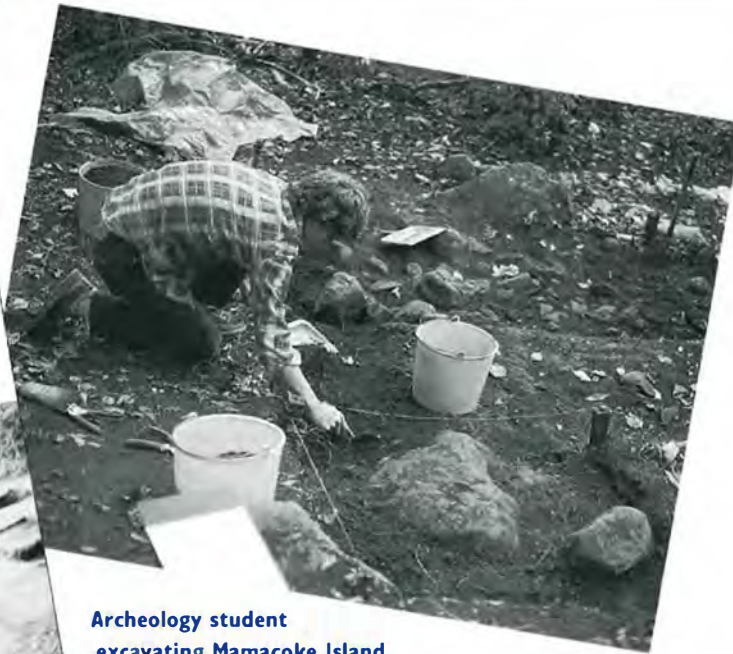
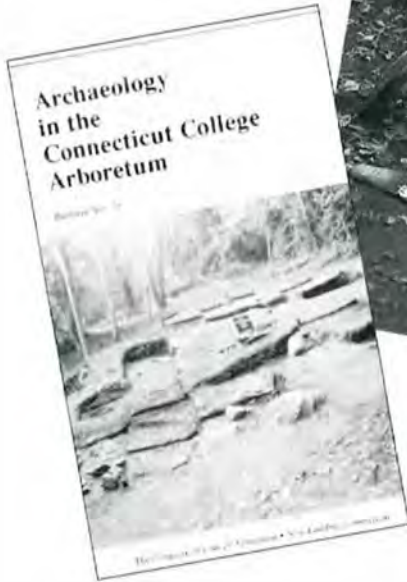
In early August, 1992, the project was well under way, with the northern end of the pond drained and partially dredged.



October  
1992

Looking back across the dredged section toward the Outdoor Theater in early October, 1992.





Archeology student excavating Mamacoke Island shell midden, 1982.

## NATIVE SHRUBS FOR LANDSCAPING

THE ARBORETUM'S MOST popular and most colorful bulletin was brought back into print last February thanks to a generous gift from the Norcross Wildlife Foundation. Most of the 10,000 new copies are appropriately stored in the garage and storage building which the Norcross Foundation built. Written by Sally Taylor, Glenn Dreyer and Bill Niering, Bulletin 30 is based on the authors' experience in the Arboretum's Native Tree and Shrub Collection. ❧



## BULLETIN 33: ARCHAEOLOGY IN THE ARBORETUM

NUMBER 33 IN THE ARBORETUM'S continuing series of bulletins is titled "Archaeology in the Connecticut College Arboretum." The fruits of over a decade of work by anthropology Professor Harold Juli and his students, it details the results of scientifically managed excavations of Native American and Colonial European origin, all located on college property. The four Native American sites are along the Thames River and include two burial sites and two shell middens. The Colonial site is near Bolles Road in the heart of Arboretum property north of Gallows Lane. Writing for a non-professional audience, Dr. Juli explains the meth-

ods, results and implications of his archaeological digs. Bulletin 33 was published in December 1992 and immediately mailed to all Arboretum members. Additional copies are available from the Arboretum office and the college bookstore at \$5 each. ❧

## OTHER FACULTY / STUDENT PUBLICATIONS AND REPORTS

- ▶ Confer, S.R. and Niering, W.A. 1992. Comparison of created and natural freshwater emergent wetlands in Connecticut (USA). *Wetlands Ecology and Management* 2(3):143-156.
- ▶ Dreyer, G.D. 1992. *Celastrus orbiculatus* - Asiatic Bittersweet. Element Stewardship Abstract, *The Nature Conservancy*. 10 pgs.
- ▶ Niering, W.A. 1992. The New England Forests: Prospects for restoration in one of the areas of earliest contact. *Restoration & Management Notes* 10 (1):24-28.
- ▶ Warren, R.S. and W.A. Niering. 1993. Vegetation change on a northeastern tidal marsh: interaction of sea-level rise and marsh accretion. *Ecology* 74(1):96-103.







**BOLLESWOOD VEGETATION SURVEY**



The Bolleswood summer research crew, 1992.

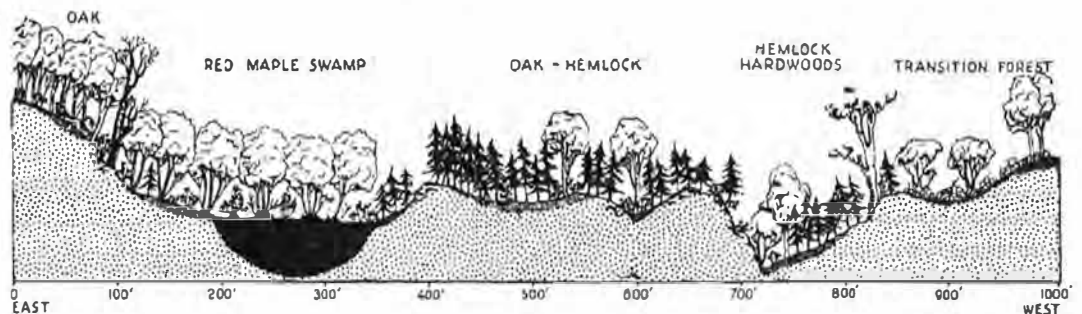
**B**EGINNING IN 1952 and repeated once each decade thereafter, botany students have gathered vegetation data in the Arboretum's Bolleswood Natural Area. The summer of '92 marked the fifth in this series of "ecological snapshots" taken of the 75-acre forest west of the pond and plant collections. Although a multiple-use area available to visitors for walking, birding and other forms of passive recreation, the Bolleswood's most important role is as a natural vegetation bench mark left relatively undisturbed by human manipulation.

Every 10 years a group of students inventory the same four 20-foot wide strips of

ground, each over 1,000 feet long. Their method is to identify, measure, locate and map every tree, shrub and herbaceous plant within this zone.

This year's specially selected research team included Sarah Goslee '92, Nicole Flagg '93, Joann Keithan '93 and graduate students Jean Fike and Hunter Brawley. Botany laboratory instructor Pam Hine (MA '84) super-

vised the effort with assistance from Bill Niering and Glenn Dreyer. For the first time, the data were computerized as the survey progressed. Of greatest interest to our resident scientists is that the four earlier surveys were also converted to computer files, thus finally making analysis of this entire long-term ecological data set practical. Chris Sardella '93 is currently using these data to evaluate forty years of changes in the portion of the transect which traverses the bog. The 1992 survey will be particularly important since it may be the last with a significant living hemlock component due to the devastation of this tree by the Hemlock Woolly Adelgid. ♀



**ANIMAL ECOLOGY RESEARCH PROJECTS**

**EACH STUDENT IN PROFESSOR Bob Askins' ornithology course had study plots in the Arboretum where they completed a weekly census and analyzed the social behavior of a particular bird species. Students in Dr. Askins' Animal Ecology course worked in the Arboretum or greenhouse on the following topics: color recognition in bumblebees, anti-predator behavior of mixed species flocks of songbirds, effects of controlled burning on insect populations, fruit dispersal by birds in an old field, territorial behavior by woodland ants, daily activity patterns of ants, use of Encarsia wasps to control greenhouse whiteflies and control of greenhouse aphids by Aphidius matricariae. ♀**



## MORE THAN 1400 CAMPUS TREES CATALOGED

THANKS TO SUSTAINED INTEREST IN THE DEVELOPMENT of Connecticut College's landscape by members of the botany department, beginning with Professor Caroline Black in 1917, the campus has an unusually diverse collection of trees and shrubs. One very important characteristic which distinguishes an Arboretum from other kinds of landscapes is the detailed records kept about individual plants. As a result of the separate administration of Arboretum lands and the campus proper, detailed plant records of the campus plantings have not been kept. This summer and fall two botany students, Michael Harvey '94 and Alison Flynn '94, and Director Glenn Dreyer began the necessary record-keeping process on campus by locating, identifying, measuring and entering into the Arboretum's computerized data base (BG-Base by Dr. Kerry Walter), information on over 1,400 individual trees. By year end, 165 different types of trees had been identified; a number of difficult-to-identify specimens (mostly cultivars of Hawthorn, Crabapple and Magnolia) will be revisited next spring. The addition of trees, from the Lyman Allyn Art Museum in the south to Benham Avenue in the north, more than doubled the number of plant records housed in the Arboretum's record sys-

tem. Additional curatorial projects for the upcoming years include surveying the plants around the athletic facilities, an inventory of the Caroline Black Garden and a re-survey of the Native Tree and Shrub Collections. Such records are a valuable tool for establishing maintenance and plant acquisition priorities and for teaching and research in botany and ecology. \*



A. Flynn '94 (L) and M. Harvey '94 measure a large Oak near New London Hall.

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## OTHER FACULTY AND STUDENT PROJECTS

**A RESEARCH PROPOSAL BY** Arboretum Research Associate Dr. Richard Orson (M.A. '81), Bill Niering and Scott Warren titled "The influence of accelerated sea level rise on tidal marsh development at Barn Island, Stonington, Conn." received funding from the Connecticut Sea Grant College Program.

The multiyear work will include student research opportunities.

**DAVID BRAUNER '93 WORKED** on a Keck Summer Research Program and Honor Thesis project titled "Territorial Behavior of Dragonflies." Dave began his work with dragonflies in the fall 1991 Animal Ecology class and worked all summer with these insects in the Arboretum pond. The annual breeding bird survey in the Bolleswood Natural Area was done this year by Bob Askins, Wendy Dreyer and Maggie Philbrick '85.

**GLENN DREYER'S WOODY PLANTS** in the Landscape course used the Caroline Black Garden and Campus and Native Tree and Shrub Collections to learn the attributes and identification of woody plants. Student projects included proposed planting designs for the Arboretum Outdoor Theater renovation, The Harkness Chapel handicap ramp, the Olin Science Center and Professor Ken Bleeth's backyard.

**PROFESSOR PETER SIVER'S** two new courses, Marine and Freshwater Botany and Limnology, both used the Arboretum pond for field exercises. \*



## NEW STAFF HORTICULTURALIST NAMED



**C**LARE CURRY McFarland has joined the Arboretum staff as a full-time horticulturist. Her primary duties

are the "care and feeding" of the college greenhouse and the various outdoor plant collections. She and her husband, Kent, recently returned from two years as Peace Corps volunteers in Paraguay where they assisted the government's forestry/agricultural agency. Clare grew up on Long Island and is a 1984 graduate of the University of Rhode Island, where she majored in plant and soil science. She previously worked as a horticultural diagnostician for a large garden supply corporation, as a tree specialist for Chemlawn, Inc. and as a grounds maintenance supervisor at Old Westbury Gardens, Old Westbury. ☘



### OUR OWN PRESIDENT BILL

IN A BREAK FROM HIS DUTIES AS PROFESSOR of botany and Arboretum research director, Bill Niering agreed to become acting president of Connecticut College for the fall 1992 semester. By year's end President Gaudiani had returned from her sabbatical and Bill was back in New London Hall. ☘

## SUMMER CREW

**ADAM PARYS OF MYSTIC AND JOHN DUGAN '92** joined the Arboretum maintenance crew for the summer of 1992. **Scott Sawyer '88** assisted **Craig Vine** with maintenance duties from January to August and is now studying environmental law at Seton Hall. Thanks and good luck to all. ☘

**BELOW: Summer Arboretum crew A. Parys, S. Sawyer, C. Vine and J. Dugan '92.**

## PROFESSIONAL ACTIVITY

**ARBORETUM DIRECTOR GLENN Dreyer** took over as chairman of the College and University Gardens Committee of the American Association of Botanical Gardens and Arboreta at the June 1992 meeting held at Ohio State University. Glenn is also an active member of the Connecticut Urban Forest Council and serves on the Waterford Conservation and Inland Wetlands Commission. During the past year, he gave papers at the New York State Natural History Conference, the Eastern Native Plant Alliance annual meeting and the International Plant Propagators Northeast Regional meeting.

When not otherwise occupied with teaching, research and being president, **Bill Niering** was serving as the first editor-in-chief of a new journal called *Restoration Ecology*. The premier issue of this professional, peer-reviewed, quarterly journal published for the Society for Ecological Restoration is due in Spring 1993. ☘



## STUDENT GUIDES LEAD CHILDREN'S TOURS

AS AN ENVIRONMENTAL STUDIES MAJOR, KIRSTEN Bilodeau '93 has been in the Arboretum many times and has grown to love it. At some point she also recognized the importance of starting environmental education at a very early age. This year she initiated a program which matches Connecticut College students with groups of children for guided walks through the Arboretum. As a first step, 12 student volunteers were recruited as guides. Kirsten next put together a packet of training materials, received a grant from the Armington Committee on Social Values, collaborated with the Office of Volunteers for Community Service and alerted local school teachers of the new program. After a Project Learning Tree training session sponsored by the Connecticut Forest and Park Association, the tours began this fall. Kirsten is using an individual study course next semester to solidify the program and hopefully ensure its continuation after she graduates. 🌿

**60TH ANNIVERSARY CELEBRATION:** The four directors celebrate the Arboretum's 60th anniversary, September, 1992. Left to right are: Glenn D. Dryer, 1988-present; William A. Niering, 1965-1988; Richard H. Goodwin, 1944-1965; George S. Avery, 1931-1944. Standing are Esther Goodwin (L) and Virginia Avery.



Lisa Brownell

## RALLY SYMBOLICALLY RECLAIMS ARBO

REACTIONS TO THE NEWS OF A sexual assault in the Arboretum this fall ranged from anger to despair. One of the more positive responses occurred on November 6 when a small group of students, faculty and staff met at noon in the Outdoor Theater to reclaim the Arboretum for the people who know and love it most. The general feeling was that we will not allow this special place to become the

domain of those who hate and hurt others. The Arboretum is not a dangerous place, but the unfortunate reality is that that we are not completely safe from harm anywhere. Acting President Niering, Mathematics Professor Bridget Baird, Dean of the College Robert Hampton and College Chaplain Steve Schmidt all spoke eloquently about the incident and the Arboretum. 🌿



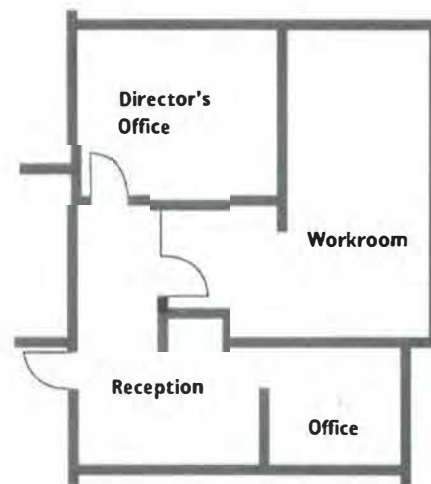
## ARBORETUM OFFICES WILL MOVE TO F.W. OLIN SCIENCE CENTER

SINCE ITS ESTABLISHMENT IN 1931, the Arboretum has been administered from New London Hall, the first academic building on campus. That will change in 1994 when the Arboretum moves to a four-room suite of offices on the ground floor of the new F.W. Olin Science Center. Made possible by a \$5.1 million grant to the college, the building will be located east of New London Hall and south of Hale Laboratories. This arrangement will cluster all the college's science facilities within three adjacent buildings and form a "science triangle."

The plan for the Arboretum features a reception area, director's office, large workroom and smaller office/workroom. In addition to providing space for administrative functions, the inclusion of a workroom means that Arboretum volunteers will finally have a space to use for accomplishing various projects. It will also be available for workshops and small classes. Other classrooms, teaching labs and conference rooms will also be used for Arboretum programs, including

a 150-seat auditorium.

Two other programs will call the 34,000-square foot, four-story building home — the college physics department and the Center for Arts and Technology. All introductory science classes in biology, botany, chemistry, physics and zoology will be taught in the F.W. Olin Science Center which will also include a computer center/lab and study/lounge facilities for science students. ❧



## ADVISORY COMMITTEE FORMED

A DISTINGUISHED GROUP OF ALUMNI AND FRIENDS OF CONNECTICUT COLLEGE HAS AGREED TO FORM THE NUCLEUS OF AN ARBORETUM Advisory Committee. The committee is one of several that are parts of a larger initiative by the board of trustees called The Forum. Forum members have distinguished themselves in their businesses or professions, have provided leadership to their communities and have demonstrated loyalty to the college. The initial members of the Arboretum's Advisory Committee are: Oakes Ames, Eve Bogle P'80, Ann Gaylord, Joan Jacobson Kronick '46, Julia Linsley '50, Helen Fricke Mathieson '52, Lois Webster '44, Saul Ricklin, Barbara Zaccheo Dubow '72 and Sally L. Taylor. ❧



## GROWTH RINGS: LOOKING TOWARD 2000

THE NEXT TEN YEARS ARE SHAPING UP TO BE EXCITING ONES, BOTH FOR CONNECTICUT College and its Arboretum. Moving into new quarters in the Olin building will help change the perception of the Arboretum from that of a special resource of the botany department to its true role as an academic support facility for the entire college. It will also allow for a modest expansion in staff and a steady increase in the quantity and quality of our community education programs. We will also increase opportunities for volunteers to serve the Arboretum while learning and having fun. The Arboretum's role on campus will begin to include deeper involvement in the planning, designing, planting and plant collection management of all Connecticut College lands. Collaborations with the new Center for Conservation Biology can help ensure that a well-balanced approach to campus development occurs, taking into account the many natural resources of our diverse land holdings. Financially, the Arboretum will move toward greater independence from the college's general operating budget and will rely more on endowment interest income, membership, annual giving and innovative forms of revenue generation. ❧

## HOW YOU CAN HELP

ONE OF THE WAYS WE ARE APPROACHING the challenge of securing the Arboretum's financial future is to create a list of "naming opportunities," many of which are located in the Native Tree and Shrub Collection. As currently conceived, donors interested in supporting a specific part of the Arboretum — a plant collection or perhaps the Arboretum pond or the Laurel Walk — would make a donation sufficient to finance any immediately needed redesign or renovation. The donation would also contain a larger portion to be set aside as an endowment fund for future Arboretum maintenance and programs. By successfully funding a series of these and other projects, we hope to meet our goal of a total Arboretum endowment fund of at least \$4 million. Another important component of our financial plan is bequests. This year we had an interesting example of the generosity of two Arboretum

friends who made an arrangement that combined a gift to the college/Arboretum with a lifetime income for themselves. Working with the development office's Planned Giving Director Craig Esposito, the couple joined the Gift Annuity Program, which provides the donors with guaranteed lifetime payments, as well as a sizable current charitable deduction. Their gift will eventually become part of the Arboretum endowment. Please contact Craig Esposito in the development office or Arboretum Director Glenn Dreyer for more information about this program or the other planned giving options that can provide significant tax savings, charitable deductions, estate tax savings, capital gains tax savings, increased income and/or conversion of a "non-performing" asset into an income producing one, all while helping an organization you believe in and support. ❧

## NEW REVENUE SOURCES

THE ARBORETUM IS DEVISING new ways of generating revenue to support our programs and staff. One such method is through a limited number of carefully selected environmental consulting contracts. This year we entered into a two-year agreement with the H.C. Moore Foundation concerning a parcel of land in Westerly, RI. The Arboretum will provide a detailed natural resources inventory and a master plan for future development of the property as a wildlife sanctuary and educational facility open to the public. We are also involved in a natural resources consulting project with the Mashantucket Pequot tribe in Ledyard, CT. The purpose is to provide the tribe with the planning tools necessary to protect the environment while they proceed with their development plans. ❧



## VOLUNTEERS & Supporters

**The Arboretum extends its sincere thanks to the volunteers who helped to make 1992 such a successful year:**

Bob Askins  
 Dave Bardeen '93  
 Don Besanson  
 Kirsten Bilodeau '93  
 Mark Braunstein  
 Linda Callahan  
 Jack Deering  
 Wendy Dreyer  
 Alison Flynn '94  
 Michelle Fortin '95  
 Michael Harvey '91  
 Amy McNamee '95  
 Michelle Moon '93  
 and Justin Paterson '93  
 Jon Turer '95  
 Pamela Hine  
 Carol King  
 Kevin Lang  
 Linda M.D. Legassie  
 Jim Luce  
 Barry J. Matt  
 Judy Nickerson  
 The Plant Group  
 Sally L. Taylor  
 Gregg TeHennepe  
 Sheila Wertheimer  
 Emily Wharton

**Total Arboretum membership at the end of 1992 was 523. Special recognition is due to the following members who made special gifts:**

Mrs. E. Mildred Abbott  
 Mrs. R.H. Areson  
 Bridget Baird  
 Mrs. Charles Becker '27  
 Scott Dawley  
 Jack Deering  
 Linda Lee Fosseen '69  
 Richard & Esther Goodwin  
 David Gries  
 Mrs. Eugene L. Harrison '28  
 Mrs. C. Bremner Jackson  
 Nancy J. Kataja '71  
 Emily Klagsbrun  
 Suzanne Klagsbrun  
 Scott H. Kling '81  
 Barry J. Matt  
 Stephanie Murray  
 Priscilla Pasco '39  
 Mrs. E. Rex Pinson  
 Mrs. Harvey Smith  
 Sylvan Nursery  
 Sally L. Taylor  
 Trillium Garden Club

**The following individuals and organizations contributed to the restoration of the Arboretum pond:**

Miss E. Mildred Abbott  
 Robert K. Ackroyd '83  
 Dr. & Mrs. Oakes Ames  
 Rosemary P. Anastos

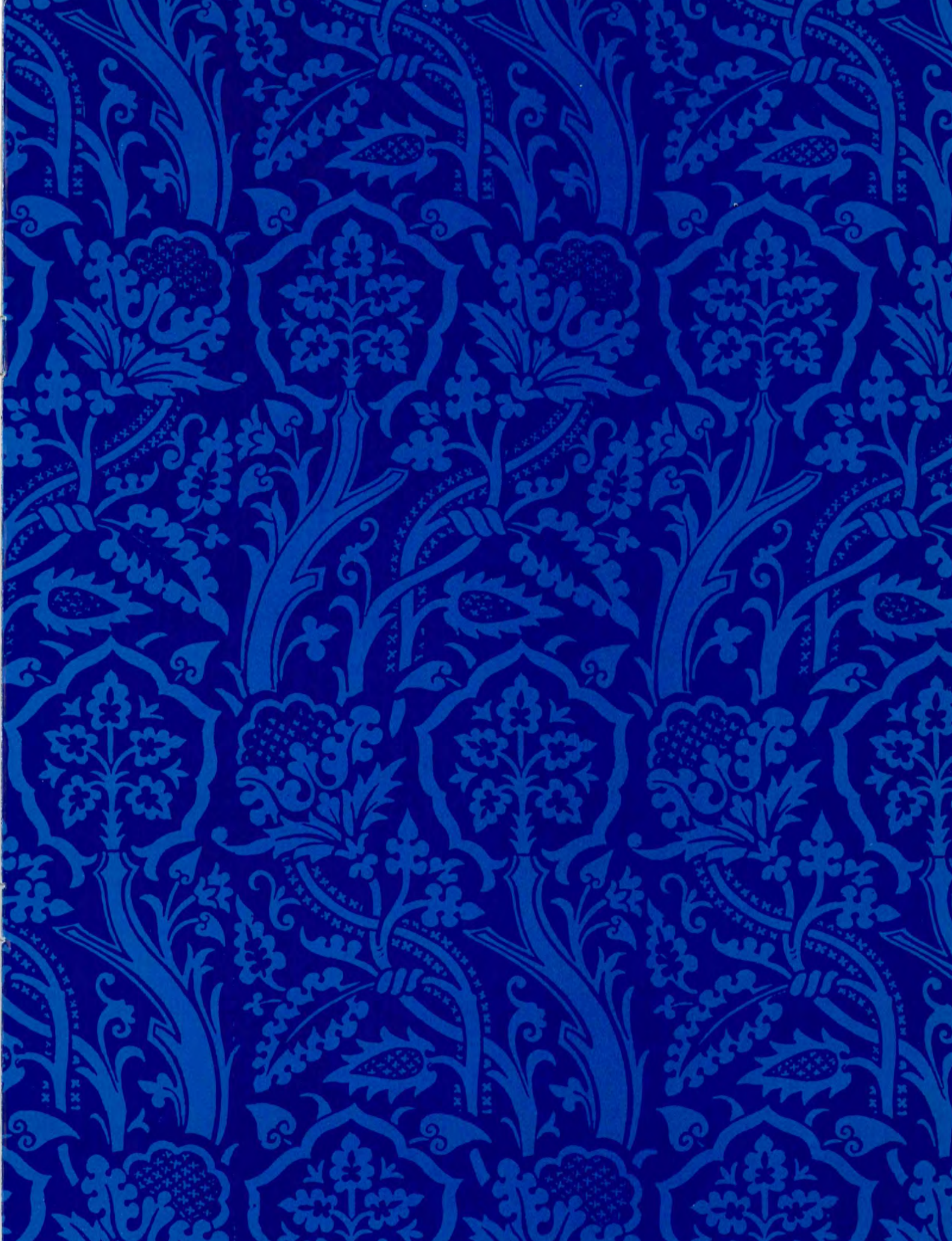
David B. Anderson '76  
 Harold Arkava  
 AT & T Foundation  
 Eleanor Cullyford Babbitt '80  
 Elva A. Bacon  
 Robert W. Ballek '73  
 Phillip T. Barnes  
 Nels E. Bariett '78  
 Marcella A. Beyersdorfer '80  
 Dr. & Mrs. David B. Bingham  
 Prof. Richard D. Birdsall  
 Eve & John C. Bogle P'94 & '80  
 Patricia Bolles  
 Mr. & Mrs. Thomas Bonanno  
 Bernice Neumann Booth '49  
 Borough Of Fenwick  
 Carol Knott Boyd '58  
 Dr. June A. Bradlaw '58  
 Walter F. Brady  
 Brinford Garden Club  
 Broken Arrow Nursery  
 Mr. & Mrs. Russell W. Brown  
 Julie Maria Burt '89  
 Josephine B. Bush  
 Clara L. Carr '58  
 James L. Catterton '74  
 Champion International Corp.  
 Marc A. Chiffert  
 Mr. & Mrs. Charles J. Chu  
 Antonie Sears Chute '86  
 Eileen F. Clark  
 Thea Dutcher Coburn '41  
 Christelle Susan Cook '81  
 Mr. & Mrs. F. Edward Cranz  
 Dr. Harriet Creighton  
 Phyllis McCarthy Crosby '51  
 Crum & Forster, Incorporated  
 Raymond E. Cunningham  
 Bruce L. Dasinger  
 Dawley's Landscaping & Lawn  
 Pierre & Alix Deguise P'81  
 Jean Willard Dellenbaugh '45  
 Cornelia Wilde Dickinson '49, P'77  
 Alice Dinock '43  
 Katherine Harriet Doak '90  
 Marion E. Doro  
 Glenn D. Dreyer '83  
 Deborah Foster Ebeling '70  
 Harriet W. Ely  
 Exxon Educational Foundation  
 Marshall A. Fine P'83  
 Katherine Finney  
 Kristine Siewers Flecke '78  
 Linda Abel Fosseen '69  
 Susan Froshauer '74  
 Carol B. Garbutt '59, P'93 & '91  
 Mrs. Harvey Gaylord  
 Mrs. Julia T. Gerl  
 Mark David Gershman '83  
 Mrs. Reynolds Girdler  
 Shannon Goheen-Huettner '85  
 Elizabeth Damerel Gongaware'26  
 Augusta Straus Goodman '38  
 Mr. & Mrs. Richard H. Goodwin  
 Jonathan Graham '78  
 Margaret Creighton Green '35  
 John Hunter Greenler '81  
 Elizabeth Sauerstopf Haderer '51  
 Carol L. Hanby  
 Miss Camille C. Hanton

Margaret Howe Harlow '87  
 Marc J. Harnois  
 Karla Heurich Harrison '28, P'54, GP'80  
 Dorothy Stewart Hazard '36  
 Margaret K. Hazlewood '32  
 George Whiting Hebard '80  
 Susan P. Heller '65  
 Barbara Ann Hermann '70  
 Jeanette B. Hersey  
 Heather Hewson-Gribble '84  
 Charles F. Hickox  
 Mr. & Mrs. Thomas L. Hine  
 Diane A. Hitchcock '75  
 Penelope Howell-Heller '75  
 Sarah Davidge Jennings '91  
 Elizabeth Bindloss Johnson '36  
 J. Lathrop Johnson, Sr.  
 Mr. & Mrs. R. Francis Johnson P'82 & '76  
 Scott M. Johnson '76  
 Marjory L. Jones '28  
 Harold D. Juli  
 Barbara Rice Kashanski '54  
 Betty Hikyung Kim '88  
 Mr. & Mrs. Arthur Kneerim  
 Betsy Kraai Kohlsaat '63  
 Mary Varley Kuhn  
 Ruth Bailey Langh '77  
 Paul D. Lantz '75  
 Dr. Gerald D. Laubach P'79  
 Law Companies Group, Inc.  
 Tracy Laura Leavenworth '91  
 Eleanor Stroh Leavitt '45  
 Jill Long Leinbach '56  
 Dr. & Mrs. Hugh F. Lena  
 Louis Levine Agency, Inc.  
 Peggy Lindley  
 William Craig Maini '83  
 Susan Moschella Maneri '76  
 Janice E. Martin '71  
 Helen Fricke Mathieson '52  
 Elizabeth Jean McCarthy '85  
 Helen McGuire P'62  
 Mr. & Mrs. James C. McGuire  
 Dr. & Mrs. Frederick McKeenan  
 Martha H. McLaud  
 Mr. & Mrs. James F. McLaughlin P'93  
 Mr. & Mrs. David McMillen  
 Charles A. Meehan '77  
 Shirley Armstrong Meneice '45  
 Helen L. Merson  
 Metropolitan Life Insurance Co.  
 Patricia B. Moore  
 Kathleen S. Moser '79  
 Martha Jane Moulton '83  
 Sara Crooks Myers '73  
 Mystic Garden Club  
 Mimi Gerstell Neary P'90  
 New England Electric System Co.  
 Northeast Utilities  
 Old Saybrook Garden Club  
 Nancy Cushing Olmstead '73  
 Lesley Swanson Orlowski '73  
 Richard Allan Orson '82  
 Claudia Haynes Page '88  
 Capt. Donald Alan Pasquarello, M.D. '86  
 Gerda Gomez Pasquarello '86  
 Celia J. Pawlish

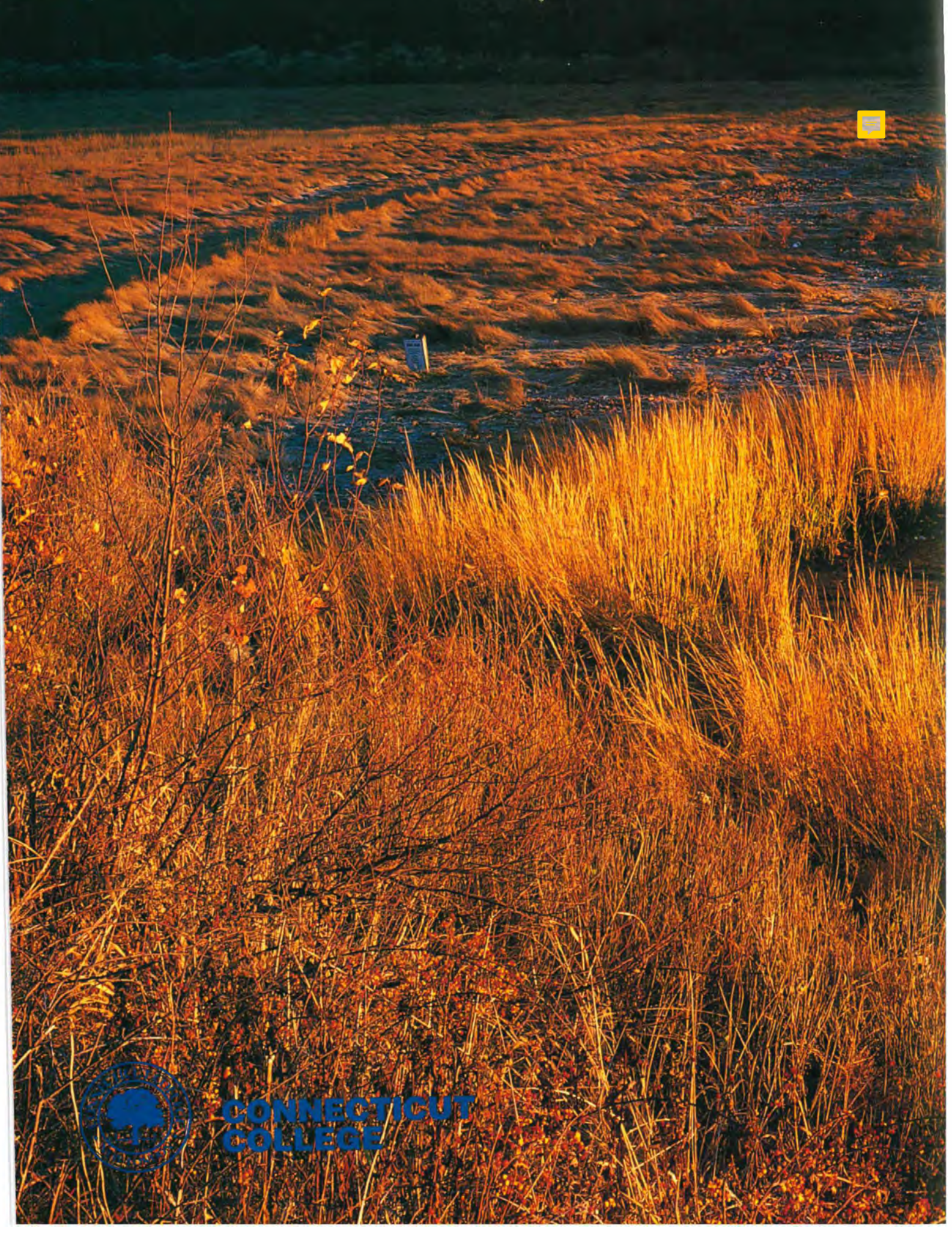
Joan Knudsen Perkins '61  
 Susan Carol Peterson '83  
 Pfizer Incorporated  
 The Pfizer Foundation, Inc.  
 Mrs. E. Rex Pinson  
 Daniel Patrick Polidoro '90  
 Pomperaug Valley Club  
 Joseph B. Potter '75  
 Dwight Quigley  
 Pauline Lowe Record  
 Helen Reeve P'77  
 Richard C. Ricci  
 Susan Greene Richards '54  
 Lois Webster Ricklin '44  
 Betsy & Grant Ritter  
 Mr. & Mrs. Peter Roper  
 Marjorie Blaustein Roswell '84  
 Sarah M. Ryan  
 Janet Leech Ryder '44  
 Mr. & Mrs. Ernest Schlesinger  
 Thomas John Seery, Jr '91  
 Elinor Widrow Semel '56  
 Mr. & Mrs. Matthew Shafner  
 Mr. and Mrs. Robert T. Shailor  
 Margaret Keenan Sheridan '67  
 Thomas A. Sheridan '74  
 Lyn Gordon Silfen '67  
 Dr. Stephen Silver  
 Elizabeth Brereton Smith '69  
 Amy Bergida Sobel '68  
 Mr. & Mrs. John W. Spinner  
 Mr. and Mrs. James Stidfole  
 Emilie Camp Stouffer '54  
 Eunice E. Sutphen '88  
 Frances Buck Taylor '32  
 Sally L. Taylor  
 Dr. Bonnie A. Templeton '68  
 Mr. & Mrs. Peter S. Thacher P'82  
 Eunice Titcomb '39  
 Charlene Elizabeth Toal '84  
 Elizabeth Marston Twitchell '85  
 Eleanor W. Tyler '30  
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 Mrs. Richard D. Wagner  
 Mark L. Warren '75  
 William Perry Welch '85  
 Alyssa Reeva Wertheimer '86  
 Stanley Wertheimer P'86  
 West Farms Land Trust  
 Emily N. Wharton  
 Ann Crocker Wheeler '34  
 Bernice M. Wheeler '37  
 J. Arthur Wheeler  
 Mrs. William Blunt White P'77  
 George J. Willauer P'89  
 Barbara Jane Williams  
 Diane Y. Williams '59  
 Susan Shaeffer Wolff '54  
 Penelope R. Wood '69  
 J. Melvin Woody  
 Marcia Fountain Woolworth  
 Barbara Colwell Wrightson '80  
 Martha Young Youngquist '40  
 Paula J. Zuraw '75

**Thank you.**









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