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ARBORETUM



ANNUAL REPORT OF THE CONNECTICUT COLLEGE ARBORETUM, 1993

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

THIS ANNUAL REPORT SUMMARIZES the highlights of 1993 from my perspective. As I think back over the year, perhaps the most exciting development was the initiation of construction of the F.W. Olin Science Center, which among other uses will provide new offices for the Arboretum. From my desk, I can see part of the site and hear the machinery and people laboring daily. To watch our new home being built step by step is a rare and interesting opportunity. After 62 years in the oldest academic building on campus, we will soon be moving to the newest.

This year I also learned that the Class of 1944 will help the college prepare for the environmental challenges of the new century by devoting a significant portion of its 50th reunion gift to the Arboretum. I expect that next year's report will contain the specifics of this generous act, but it is not too early to begin thanking those loyal alumna who believe our program worthy of such support. We have the reputation of doing a lot with a little, and I hope to maximize the value of this gift by devoting a part of it to Arboretum development and planning.

Once again the production of this report has greatly benefited from the devoted efforts of the college relations staff, particularly Sharon Butler, who is responsible for the graphic design. While the scholarly activity of our faculty rightly receives the bright light of public appreciation, we should also remember the debt of thanks owed to the many talented college staff members who labor behind the scenes to make academic life possible.

With best regards,



Glenn D. Dreyer
Director



G. Dreyer led the annual Autumn Color Walk through the native *viburnum* collection last year.



CONTENTS

Public Education	2
College Teaching & Research	4
Conservation	8
Collections	10
Professional & Community	12
News Update.....	12
Volunteers & Donors	15

ON THE COVER:

An original watercolor map of the Arboretum by Montville, Connecticut, artist Jeremy Driscoll. Creation of the painting was fully supported by a generous contribution from Barry J. Matt. Future plans include using the picture as a poster and in informational brochures.

Landscape for Learning

Throughout the year, the Arboretum serves the community with guided walks, trips to offsite locations and colorful presentations on a wide range of topics. This diversity of program ensures there will be something of interest for everyone.

The year started with a bang in February, with a two-day symposium titled "Naturalizing the Suburban Landscape." About 80 landscape architects and others attended, and 15 speakers offered a diverse program, including an intensive how-to workshop on wildflower meadows and a presentation on using moss as an alternative to grass lawns. Co-sponsored by Larry Weaner's New Directions in the American Landscape, the weekend was so successful that our second annual symposium—emphasizing natural design for professionals—was scheduled for mid-January 1994.

Our traditional winter lecture



Our February symposium, "Naturalizing the suburban landscape: Meadow, Woods, and Water," featured a roster of interesting presenters, including Neil Diboll, ecologist and owner of Prairie Nursery, Westfield, Wisconsin, who conducted a Wildflower Meadows Workshop.

series, titled "The Golden Age of American Gardens," was particularly well attended, thanks to three outstanding speakers: CC's own Rob Evans (English) and Barbara Zabel (Art History), and local art historian



Walking and Talking. Mary Ann McGourty of Hillside Gardens, Norfolk, Connecticut, guides an Arboretum group through her garden and nursery.

Richard Arms.

We also used local talent for two popular lecture/workshops — “Modern Lawn Care,” with James Luce (Grounds), and “Windowsill Orchids,” with Greg TeHennepe (Computing Services).

Guided walks covered many topics and plant types, including conifers and evergreens, spring wildflowers, Arboretum land history, breeding birds, goldenrods and asters, fall color, winter plant survival and life in the pond.

Three Connecticut nurseries hosted Arboretum visitors: Chappel Nursery in Lebanon, The Plant Group in Franklin, and Hillside Gardens in Norfolk. We also visited two of the East’s great public gardens, the PepsiCo sculpture gardens and the New York Botanical Garden.

We ended the year with a fact-packed symposium titled “Tough Plants for Tough Places,” which combined science (stress management in plants) with strategies for particularly difficult habitats (coastal and urban). Author Peter Loewer finished with an excellent overview based on his book, *Tough Plants for Tough Places*. Three of the four speakers had Connecticut College connections: Scott Warren (Botany), Laura Eisener ’77 and Lucinda Young ’77.

Once again, Education Coordinator Sally Taylor did a superb job organizing, inventing and operating a very successful program series. Thanks are also due to her volunteer Program Committee: Judy Nickerson, Sheila Werthierner ’84, Kevin Lang, Jeff Smith, Gerry Fuller ’45, Emily Wharton, Julia Gerl and Susan Olmstead. Sue Olmstead also did an outstanding job producing our three annual program brochures using her desktop publishing expertise. ❁



Arboretum Director Glenn Dreyer has a captive audience in the Connecticut Chapter of the American Society of Landscape Architects, which brought their June meeting to the Arboretum.

A Walk in the Woods

Since we don’t have a gate keeper or counting machine, we do not know the actual number of Arboretum visitation from year to year. But we do know that in 1993 at least 3,200 self-guided tour brochures were picked up at the main entrance. It is safe to assume that many more people visit than take a brochure.

For the second time, the Arboretum hosted the Meskwaka Tree Program, a University of Connecticut Cooperative Extension project that brings together 25 volunteers from around the state for an intensive weekend training session on urban and community forestry. Arboretum and campus walks, a field trip to New London’s downtown tree planting sites and indoor workshops

on everything from biology to fundraising, make Meskwaka a valuable experience and community service.

The Connecticut Chapter of the American Society of Landscape Architects held their June meeting in the Arboretum. After a guided tour of the plant collections with Glenn Dreyer and Bill Niering, the group had dinner at Buck Lodge.

Afterward, Glenn lectured on the problems caused by a number of commonly planted exotic shrubs that frequently escape cultivation.

The Pequotsepos Nature Center of Mystic, Naturescapes, a private environmental education company, and a variety of school and scout groups also used the Arboretum for field trips. ❁

Out of the Classroom, Into the Curriculum

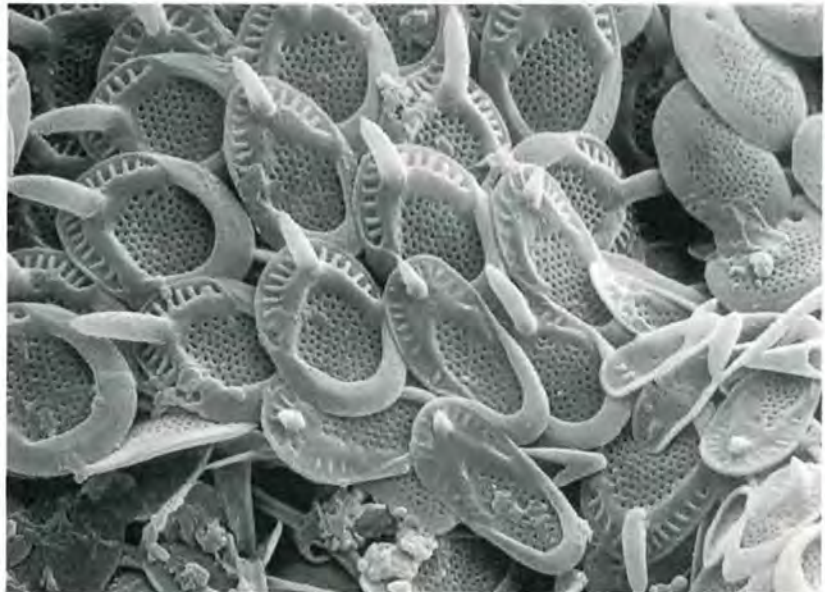
Our public outreach is widely recognized. Equally important, however, is our extensive service to the academic community. The Arboretum now serves as a living laboratory for more than 17 courses.

Bill Niering for example has long been using the Arboretum as a living text book and laboratory to teach plant ecology and plant systematics. His ecology class alone visits different habitats in the Arboretum six or seven times each semester. Professor Scott Warren introduces the Mamacoke tidal marsh to budding wetland scientists every other year in his Tidal Marsh Ecology course.

This year Professor Peter Siver used the Arboretum Pond both for collecting and growing aquatic organisms for his part of two courses: Introductory Biology and Introductory Botany. Dr. Siver's limnology class had a lab in the Arboretum during which they observed aquatic organisms in the pond, the bog, the Bolleswood stream and even on the rocky cliffs above the stream. He and his student researchers are also conducting an informal survey of the phytoplankton in the Arboretum Pond.

Professor Robert Askins' Animal Behavior and Animal Ecology courses both use the Arboretum, especial-

Learning *Al Fresco*. Students in Professor Niering's course, "Plant Systematics and the Local Flora," trade their desks for the Lillian Dauby Gries Memorial Native Conifer Collection patio.



The Story of a Pond. These siliceous scales of the single-celled alga *Synura echinulata* were found in Arboretum Pond sediments and magnified over 8000 times. They can be used by Dr. Siver and his students in their efforts to recreate the pond's environmental history.

ly for individual and group research projects. (See box on opposite page.)

New in recent years are Arboretum field trips for some professors' Freshman Orientation Advisors' Seminar.

Research
Under Dr. Askins' supervision,

David Brauner '93 followed up his last summer's field work on dragonflies in the Arboretum Pond with a Senior Honor's thesis.

Dr. Niering continued his research on controlled burning by working in the forest burn plots of the Matthies Tract. With the assistance of Lauren Matthews '96, oak tree reproduction





Examples of Arboretum-Based Student Research Projects, 1993

Animal Behavior (Zoo 224)

- Social behavior of Mute Swans
- Imprinting of Wood Ducks

Animal Ecology (Zoo 301)

- Predator detection and mobbing behavior in Black-capped Chickadees and Tufted Titmouse
- Pre-hibernation basking behavior of the painted turtle
- Effects of foraging flock formation on vigilance, feeding efficiency and aggression in Black-capped Chickadees
- Distribution of color morphs of red-backed salamanders
- The biological control of whiteflies with *Encarsia formosa* and *Delphastus pusillus* in the College greenhouse
- Foraging ecology of bumblebees on jewelweed
- An analysis of the stopover ecology of neotropical migrant landbirds
- Foraging and territorial behavior of native ant species

A huckleberry (*Gaylussacia baccata*) patch succumbs to a 1985 controlled burn of a forest understory on the Katherine Matthies Tract.

Natural Area. Known as the T-III Offset, this sample goes through what was an open pasture when the long-term study was established in the early 1950s. Currently the area is about three-quarters young forest, typical of vegetation development in our region, and one-quarter Asiatic bittersweet vine (*Celastrus orbiculatus*). Jean's thesis will be on the vegetation of recent acquisitions at the Burnham Brook Preserve in East Haddam, a Nature Conservancy holding used by the college for research and teaching. Arboretum Director Emeritus and Botany Professor Emeritus Richard Goodwin is advising her along with Dr. Niering.

Beth Shea '93 worked with Professor Warren on a detailed developmental history of Mamacock tidal marsh. As an important first step, she made permanent a survey grid origi-

by acorns was assessed by counting tagged seedlings in an area last burned in 1985. In addition to obvious greater numbers of young oaks in the burned compared to unburned plots, the wildflower striped winter-

green (*Chimaphyla maculata*) has also increased with occasional burning.

Master's candidate Jean Fike prepared a manuscript on her individual study with one of the vegetation transect lines in the Bolleswood

nally established in the 1950s, by driving copper pipes into the peat at 45 grid points. In addition to making the grid easy to locate, the pipes are now at known heights above the marsh, so the accretion of sediments can be accurately measured as the marsh grows deeper. Beth will be looking at peat, plant rhizomes and pollen in her efforts to quantify the growth of this riverine marsh over the past few thou-

sand years. Waterford High School student Ken Liu is assisting Beth in her study.

The Connecticut Notable Trees project, a compilation of data on the largest and most historically significant trees in the state, has been housed at the Arboretum throughout its ten-year history. Arboretum Director Glenn Dreyer keeps track of the data and the volunteers who locate and

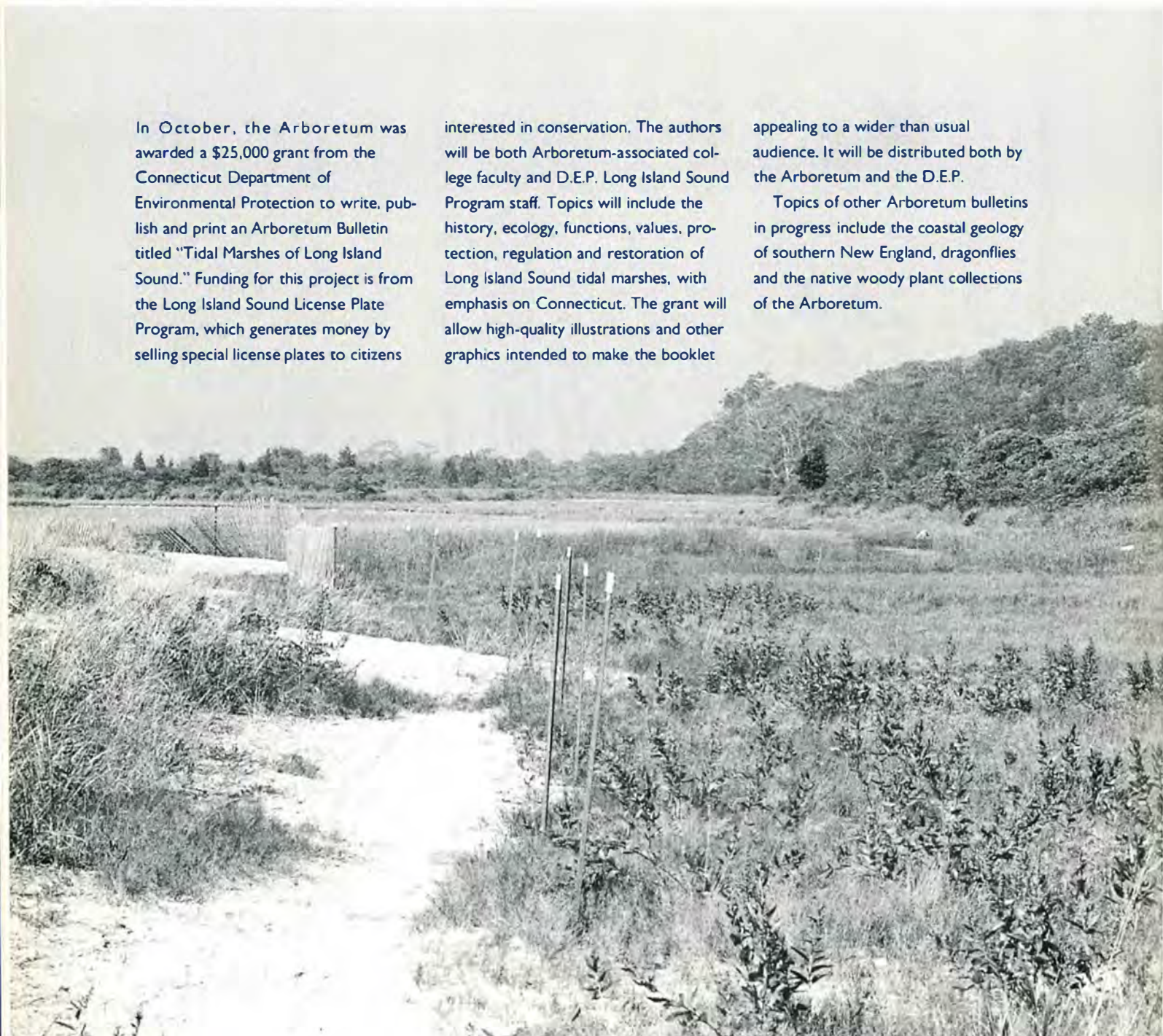
measure the trees. Glenn received a grant this year from the Connecticut Department of Environmental Protection to establish a computer database for the tree records. By year's end, 1355 records of individual trees had been computerized, and Glenn was putting the finishing touches on the database interface. Working copies of the database will be distributed to the urban and community foresters

In October, the Arboretum was awarded a \$25,000 grant from the Connecticut Department of Environmental Protection to write, publish and print an Arboretum Bulletin titled "Tidal Marshes of Long Island Sound." Funding for this project is from the Long Island Sound License Plate Program, which generates money by selling special license plates to citizens

interested in conservation. The authors will be both Arboretum-associated college faculty and D.E.P. Long Island Sound Program staff. Topics will include the history, ecology, functions, values, protection, regulation and restoration of Long Island Sound tidal marshes, with emphasis on Connecticut. The grant will allow high-quality illustrations and other graphics intended to make the booklet

appealing to a wider than usual audience. It will be distributed both by the Arboretum and the D.E.P.

Topics of other Arboretum bulletins in progress include the coastal geology of southern New England, dragonflies and the native woody plant collections of the Arboretum.



working for both the DEP and the UConn Cooperative Extension Service. ❁

Below: A salt marsh at Bluff Point Coastal Reserve, Groton, Connecticut. At right: One of Connecticut's notable trees, this sugar maple (*Acer saccharum*) in Norwich is the largest in the United States. The late William Linke, shown here in 1985, was a founder of the Notable Trees Program.



Faculty and Student Publications and Reports

- Askins, R.A., W.R. Dreyer, and M.J. Philbrick. 1993. Breeding Bird Census: Oak-hemlock forest, transition forest and thicket. *Journal of Field Ornithology* 64 (Supp.): 73-74, 85.
- Askins, R.A. In Press. Open Corridors in Heavily Forested Landscape: Impact on shrubland birds and forest interior. *Wildlife Society Bulletin*.
- Brauner, David M. 1993. Territorial Behavior and Oviposition Site Competition in Five Species of Dragonflies. Senior Honors Thesis, Connecticut College.
- Dreyer, G.D. 1993 Native Shrubs: A growing market. *Yankee Nursery Quarterly*. Summer 1993, 15-20.
- Brawley, A.H., G.D. Dreyer, and W.A. Niering. 1993. Natural Resources Inventory of Moore Woods. Phase One Report to the Harriet Chappell Moore Foundation, Westerly, Rhode Island. 65 pgs.
- Connecticut College Consultants and others. 1993. Mashantucket Pequot Lands in Ledyard, Preston and North Stonington, Conn. An Ecological and Environmental Inventory and Analysis.
- Mitchell, C. C. and W.A. Niering. 1993. Vegetation Change in a Topogenic Bog Following Beaver Flooding. *Bulletin of the Torrey Botanical Club* 120 (2):136-147.
- Barrett, N.E. and W. A. Niering. 1993. Tidal Marsh Restoration: Trends in vegetation change using a Geographical Information System (GIS). *Restoration Ecology* 1(1): 18-28.

Leading the Way

An important aspect of the Arboretum's mission is to provide leadership on environmental concerns. During the year, our services rendered an added benefit: income generated from our participation in two local projects will be channeled toward much-needed support of our program.

In January, Arboretum and college biologists began working with a group of environmental consultants and project managers to produce an ecological and environmental inventory for the Mashantucket Pequot Tribe in Ledyard, Conn. An extensive mid-winter inventory of the 3,000 plus acres and a literature review led to a large report and many specific recommendations aimed at improving environmental planning during future development of the land.



Students conducted field studies to determine the environmental impact of extensive development on the Mashantucket Pequot reservation.

The crown jewel of the reservation is the very large wooded wetland at its center, which contains both Atlantic white cedar (*Chamaecyparis thyoides*) and giant rhododendron

(*Rhododendron maximum*). Probably the most important ecological threat identified by the college study is the potential fragmentation of continuous, large tracts of forest into smaller and smaller parcels separated by different habitats. This almost always occurs as roads are built and land cleared for buildings and recreation facilities, and results in various problems including the loss of species that are adapted to the interior of large, continuous tracts.

Last summer during the more traditional season for field studies, Connecticut College students and faculty followed up with a variety of work. Kristen Lennon '95 and Patrick Lee '95 worked with Dr. Niering doing a series of transect surveys from

Yellow Ladies Slipper Orchids were among the more than 275 plant types collected, pressed and identified on the Mashantucket reservation.



Completing the Computerization

Thanks to senior Michael Harvey, 1993-94 is the Arboretum's "year of the collections." The 1992 annual report mentioned the hard work Mike and Alison Flynn '94 put toward inventorying over 1400 trees on the college campus. As part of his senior honor's thesis, Mike continued using the collections management software BG-Base to reevaluate the Arboretum Native Tree and Shrub



Senior Mike Harvey spent considerable time and energy updating and reevaluating the Arboretum's Native Tree and Shrub Collection.

Collection. Mike devoted all summer and part of autumn to locating, identifying, labeling, measuring and mapping over 1800 woody plants located between Williams Street and the Arboretum Pond. Although some older records exist, this plant collection was first systematically surveyed beginning in 1979 by former Arboretum Assistant Director James T. Robinson. Glenn Dreyer finished that survey by 1983, and the staff attempted to keep up the records on additions and removals during the following 10 years. But with two hurricanes (Gloria and Bob), many projects and limited personnel, until now the record was far from complete.

After finishing up computerization of the data and redrawing maps of the 52 areas within the collection

during winter break, Mike will devote his final semester to writing a collections policy for the Arboretum, designing a protocol for future collection inventories and creating an updated checklist of the Native Tree and Shrub Collection, which will be published as an Arboretum bulletin. An upgrade to BG-Base 4.0 — running on the Advanced Revelation database management system— in early

1994 will modernize our record-keeping and make the system considerably more "user friendly."

Our new horticulturist, Jeff Smith, has gone through the entire

native plant collection, pruning shrubs and small trees, and has many creative ideas for new plantings. He has also helped finish the renovation of the South Nursery, which has new soil and mulch and is already back in service.

Planting a Prairie

The final task in the Pond renovation project was to vegetate the "dewatering" area used to store and dry the muck dredged from the bottom of the pond. Located west of Buck Lodge and northwest of the pond, a "prairie" planting was chosen in order to preserve the one-half plus acre area as an open field. Given the success of and interest in our small meadow in the Gries Conifer Collection, much of which was transplanted as clumps of grass from a nearby site, we decided to try a direct seeding approach this time. Prairie Nursery in Wisconsin supplied a custom mix dominated by plants native to our dry, eastern meadows. Featured plants include

MEMORIALS

A memorial garden for the late Francis Kercher '72, was designed by Sheila Werthiemer '84 and installed by her crew on the southwest corner of the Horizon Admissions Building, where Fran worked. Stylistically similar to the ornamental grass garden at the College's main entrance, this planting includes a lovely stone bench and a Kastura tree (*Cercidiphyllum japonicum*).

Other memorials include:

- Sourwood, *Oxydendrum arboreum*, in honor of Bruce and Julia Bain '52, P '93
- Blackgum, *Nyssa sylvatica*, in memory of Carolyn Chapple Reed '54
- Seven-son Flower, *Heptacodium miconioides*, in memory of Marie Adams
- Granite bench, in memory of Paige Cornwall McHugh '46



The muck dredged from the Arboretum Pond should provide fertile ground for recently planted native grasses and wildflowers.

the grasses big and little bluestem, indian grass and switchgrass, and the perennials butterflyweed, blazingstar, coneflower and various goldenrods. In all, 24 different plants were introduced. A dry spring and summer delayed planting until late September, but some germination did occur before winter. If all goes well, the “prairie” should be well established within three to four years.

Removal of dying Eastern Hemlock trees (*Tsuga canadensis*) was the big project for winter 1993-94. Selected hemlocks in the Arboretum native woody plant collection have been sprayed twice yearly with horticultural oil by contract arborists. Our experience has been disappointing: large trees continue to defoliate and decline, though more slowly than unsprayed trees. Smaller specimens, those 15 to 35 feet tall, seem to be in fairly good health. Over time, it appears that such spraying will slow, but not prevent, the death of our hemlocks. As part of an ongoing increase in cooperation between the Arboretum and grounds staff, the two maintenance crews work together on hemlock removal at various locations throughout the winter. ❁

Planting and Planning

Plantings around the renovated College Center at Crozier-Williams were selected by the Arboretum and grounds staff with an eye to enhancing the college plant collections. Plants not previously used on campus include native Eastern Redbud (*Cercis canadensis*), Shasta Viburnum (*Viburnum plicatum tomentosum* ‘Shasta’), Nootka Falsecypress (*Chamaecyparis nootkatensis*), Japanese andromeda cultivars (*Pieris japonica* ‘Dorothy Wykoff’ and ‘Mountain Fire’)

Inkberry Holly (*Ilex glabra*) and Dwarf Fothergilla (*Fothergilla gardenii*). Other additions to the campus landscape in 1993 include a weeping katsura tree (*Cercidiphyllum magnificum* ‘Pendula’), a blackgum (*Nyssa sylvatica*), an Asian yellowwood (*Maackia amurensis*), mimosa or silk tree (*Albizia julibrissen*), a baldcypress (*Taxodium distichum*), two camperdown elms (*Ulmus glabra* ‘Camperdownii’) and a columnar English oak (*Quercus robur* ‘Fastigiata’) donated by the

Meskwaka Tree Project.

Landscape planning for the new Olin Science Center was initiated as a collaborative effort between the Arboretum director, the grounds supervisor and the landscape architecture firm Roland Towers. Plantings will probably be installed during spring 1995. ❁



Planning the landscape for the new Olin Science Center — and preventing damage during construction to the existing vegetation — is a collaborative effort between the Arboretum and Grounds staffs.

PROFESSIONAL & COMMUNITY

Professor William Niering completed his first year as editor of the academic journal *Restoration Ecology*. He oversaw the publication of four 1993 issues of the periodical, which is published by Blackwell Scientific for The Society for Ecological Restoration.

Glenn Dreyer was elected vice chair of the Connecticut Urban Forestry Council, a committee composed of representatives from a wide variety of governmental, educational and non-profit organizations. The council promotes urban and community forestry, often in the form of municipal tree planting initiatives, by sponsoring conferences and supporting a wide variety of initiatives.

Glenn is also chair of the College and University Gardens Committee of



the American Association of Botanical Gardens and Arboreta. About 25 percent of the public gardens in the U.S. and Canada are part of a university or college. Glenn's committee helps new arboreta become

established and provides its members with a forum for the exchange of ideas.

During the spring of 1993, **Kirsten Bilodeau '93** continued to supervise the Connecticut College student-led Arboretum tours for children. Unfortunately, another student coordinator was not found to continue the program into 1994, but the college's Office of Volunteers for Community Service may help revive the popular service.

The Arboretum consulted with the Waterford Country School regarding a nature trail around their pond.

In October, Glenn Dreyer led a pruning workshop for the New London Community Center, during which the participants pruned trees in the municipal parking lot on Eugene O'Neill Drive. The Arboretum had previously helped the New London Development and Planning Office with the grant application that helped fund the parking lot planting. *

NEWS UPDATE

College Land Planning

During Spring 1993, an ad-hoc College Land Planning and Use Committee was established, with representation from faculty, administration, students and trustees. A number of issues were on the agenda, including a proposal to eventually consider all campus lands as Arboretum. By the end of the academic year, the committee supported a recommendation to the Buildings and Grounds Committee of the college Board of

The new College Land Planning and Use Committee will work to resolve land-related issues, conduct planning as it pertains to the lands, and work with the appropriate offices to implement policies and decisions.

Trustees that the role of the Arboretum be broadened to include the entire campus. At the September board meeting, the Buildings and Grounds Committee voted to support establishment of a standing committee, which will function to resolve land-related

issues, conduct planning as it pertains to the lands and work with the appropriate offices to implement policies and decisions. The 1993-94 agenda includes categorizing all college land by appropriate use.

Although specific committee membership had not been established by year's end, it will include the Arboretum director and rotating student, staff and faculty representatives.

As mentioned in the discussion of collections news, the Arboretum

and physical plant grounds staff have been finding ways to increase their collaboration, with the eventual goal of merging the two operations. In addition to working together on selecting and designing new plantings, Grounds Supervisor James Luce has been a regular lecturer for Arboretum public education programs. There has also been an increase in sharing of equipment and labor between the two departments.

The Connecticut College Center for Conservation Biology and Environmental Studies was voted into existence by the faculty and officially opened in October. Dr. George Woodwell of Woods Hole, Massachusetts, was guest speaker at

The Center for Conservation Biology and Environmental Studies will build on current strengths in field and human ecology, and environmental studies.

were nurtured in and by the Arboretum, a role which will continue to be important.

Construction began on the F.W. Olin Science Center, which includes the future home of the Arboretum offices. By year's end the foundation was complete, and the steel frame was about to be assembled.

Staff News

After 20 years of dedicated service to the Arboretum, the botany department and the program in human

ecology, Rose Fishman retired in July. The purpose of the center is to consolidate and build upon the college's existing strengths in field ecology, human ecology and environmental studies. Many of the Connecticut College projects now considered Conservation Biology

ecology, Rose Fishman retired in July. A well-attended retirement party was held for Rose in September, with testimonials and gifts.

In August, Linda Wagner of Pawcatuck, Connecticut, joined the staff as Arboretum and botany department secretary. Linda was only able to work part time, and left the position for personal reasons in November. Also in November, Katherine T. Dame '90 of North Stonington, Connecticut, became our full time, two-department secretary, and by year's end was beginning to master the many details of the job.

Arboretum Horticulturist Clare McFarland resigned in May to move

Twin Towers: By the end of 1993, the F.W. Olin Science Center, the future home of the Arboretum offices, had begun to take shape.





Jeff Smith knows plant propagation, garden design and landscape maintenance.

to New Hampshire with her husband, who entered a Ph.D. program. In July, Jeffrey D. Smith assumed the horticulturist position, and has proved himself an able professional. Jeff is a graduate of the University of Rhode Island and has extensive experience in plant propagation, garden design and landscape maintenance. Most recently self-employed in a landscape design-and-build company, Jeff was also an estate gardener in Stonington for ten years.

Former Arboretum Horticulturist Jacklyn Haines married Gregg TeHennepe. Gregg is the volunteer orchid curator in the college greenhouse and regularly teaches orchid growing classes for

Arboretum Director Glenn Dreyer was appointed adjunct associate professor of botany. He teaches an ornamental woody plants course and directs individual student research projects.

the Arboretum. Gregg is coordinator for campus-wide information systems with the college computing and information services, and met Jackie while volunteering in the greenhouse during his lunch hours. Jackie is now a freelance horticulturist based in Montville, Connecticut.

Arboretum

Director Glenn Dreyer was appointed adjunct associate professor of botany. In addition to teaching an ornamental woody plants course for the department, Glenn also directs individual student research projects.

The 1993 summer Arboretum workers were Ramsay Vehslage '94 and Derek Fisher '95. Both were particularly hard-working, and we wish them the best of luck. ❀



Secretary Katherine Dame knows order.



Former Secretary Rose Fishman retired after 20 years of service.

VOLUNTEERS & DONORS

The following individuals, who kindly volunteered their services on behalf of the Arboretum in 1993, deserve the gratitude of our members, friends and students.

Oakes Ames
 Robert Askins
 Hunter Brawley
 Mindy Dowd '94
 Steve Dreyer
 Wendy Dreyer
 Laura Eisener '77
 Robley Evans
 Gerry Fuller '45
 Ann Gaylord
 Julia Gerl RTC
 Richard Goodwin
 Jeff Hartranft MA '93
 Michael Harvey '94
 Pamela Hine MA '84
 Kevin Lang
 James Luce
 Larry Marsicano MA '93
 Barry Matt
 Don McElreath
 Judy Nickerson
 William Niering
 Susan Olmstead
 T. Page Owen
 Linda Reddington RTC
 Lois '44 and Saul Ricklin
 Terri Roper
 Jeff Smith
 Sally Taylor
 Gregg TeHennepe
 Scott Warren
 Sheila Wertheimer '84
 Emily Wharton
 Lucinda Young '77
 Barbara Zabel

Special recognition is due to the following individuals and organizations, who made particularly generous contributions to the Arboretum during 1993:

Mrs. R.H. Areson '36
 Anne K. Bain '93
 Bridget Baird
 Carol Boyd '58
 Mr. & Mrs. E.J. Browning
 Joan L. Faust
 Mr. & Mrs. Loyd Goddu
 Mr. & Mrs. Walter Hay
 Scott Johnson '76
 Barbara R. Kashanski '54
 Nancy Kataja '71
 Edward Klagsbrun
 Suzanne Klagsbrun

Elizabeth S. Kruidenier '48
 Barry Matt
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 Mr. & Mrs. John Merrill
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 Prides Corner Farm Nurseries
 Priscilla Pasco '39
 Dr. & Mrs. Rex Pinson
 Mr. & Mrs. Eliot Porter
 Mrs. Harry F. Smith
 Sally Taylor
 Hazel Tuttle
 Summer Hill Nursery
 Sylvan Nursery
 Ann Wheeler '34

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 Eleanor Cullyford Babbitt '80
 Elva A. Bacon
 Dorothea S Badenhausen '57

Robert W. Ballek '73
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Director:

Glenn D. Dreyer MA '83

Research Director:

William A. Niering

Horticulturist:

Jeffrey Smith

(Clare McFarland through 5/93)

Education Coordinator:

Sally L. Taylor

Information Coordinator:

Susan Olmstead

Horticultural Assistant:

Craig Vine

Secretary:

Katherine Dame '90

(Rose Fishman 1-6/93;

Linda Wagner 8-11/93)

Advisor:

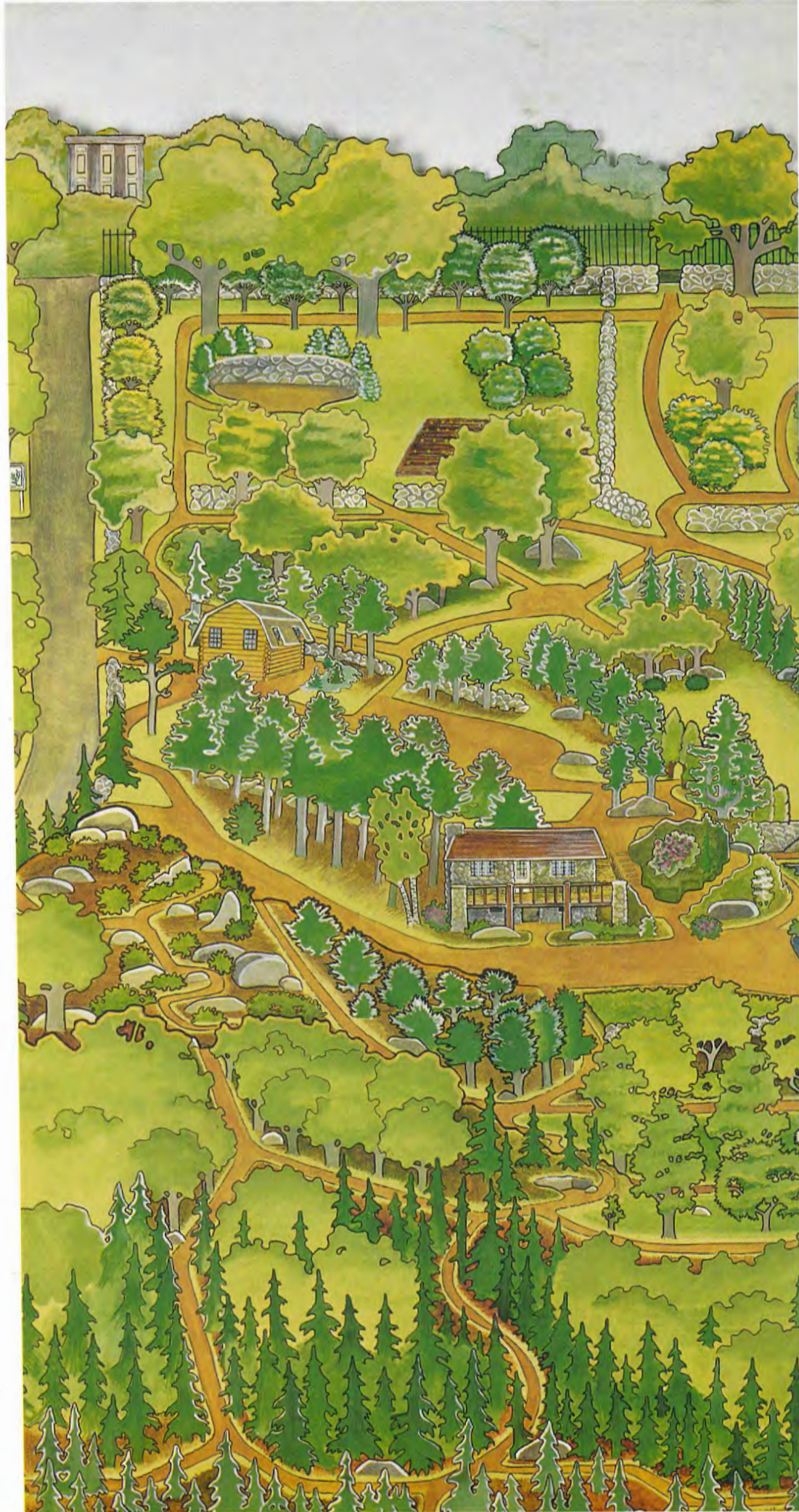
Richard H. Goodwin

Research Associates:

R. Scott Warren, Robert Askins, Paul

Fell, Peter Siver,

Philip Barnes



**CONNECTICUT
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270 Mohegan Avenue
New London, Connecticut 06320