





AN FOR ALL SONS

BY ALEX ULAM

PHOTOGRAPHY BY
Piet Oudolf

**PIET OUDOLF IS OBSESSED
WITH PERENNIALS. AS A
DESIGNER AND CULTIVATOR,
HE IS CHANGING THE
DEFINITION OF A GARDEN
IN ITS PRIME.**

AS WITH GOOD THEATER OR GREAT LITERATURE, PIET OUDOLF DISTILLS HIS PLANT PALETTE INTO A DRAMA THAT OFTEN SEEMS MORE REAL THAN LIFE ITSELF.

OPPOSITE

The garden in front of Oudolf's farmhouse features some of the hardy plants that he typically uses in his commercial work: *Sedum* 'Matrona,' *Liatris spicata*, *Persicaria amplexicaulis* 'Rosea,' and *Pennisetum alopecuroides* var. *viridescens*.

There is not much left over from the 12th Annual Venice Architecture Biennale, which ended this past December. The massive Arsenale, a complex that dates from the 12th century and serves as the Biennale's main exhibition hall, has been emptied of the architectural models and video displays that drew throngs of critics, students, and architecture aficionados from all over the world. However, one notable installation remains in place. At the end of Arsenale is the Giardino delle Vergini, a place where there is still life despite the chilly winter winds blowing in from the nearby canals. Here, along a curvilinear pebbled walkway, the sedums and asters are dormant for the winter season. The Dutch landscape designer Piet Oudolf planted this 6,000-square-meter plot of land last spring. The perennials here will be in flux, sprouting and dying down, until the next Architecture Biennale in 2012, when Oudolf's garden will likely be replaced by another landscape installation.

Oudolf's garden was a big hit at the 2010 Biennale's opening this past August. It marked only the second time that a major landscape architecture installation was featured in the Venice exposition; the first,

by the landscape architecture firm Gustafson Porter, which was commissioned for the 2008 Biennale, was an installation of floating shade cloth suspended by helium balloons. In addition to literally breaking new ground at the Biennale, Oudolf was one of three exhibitors recognized with a special mention at the Biennale's awards ceremony in August. What was special about Oudolf's installation for the Biennale judges? According to one judge, Joseph Grima, the editor of the Italian design magazine *Domus*, who introduced Oudolf at a panel discussion, "One of the interesting things about it is that it could be easily missed."

Oudolf captures the plant kingdom's quintessence in a way that no other living horticulturist does, says James Corner, ASLA, the principal of James Corner Field Operations, who hired Oudolf to join the design team for the High Line in New York City. "It seems like a perfect expression of nature and natural processes," Corner wrote in an e-mail, "and yet at the same time it is very clearly artistic and intentional in terms of composition, mix, and impression."

Although many of Oudolf's gardens operate on a subtle level, they are difficult to miss these days.



They are being built as the centerpieces of high-profile projects in Europe and in the United States. In Chicago, in conjunction with Gustafson Guthrie Nichol Ltd. and Robert Israel, he designed the Lurie Garden at Millennium Park. In New York City, he designed the Gardens of Remembrance at the Battery (one of New York City's oldest public spaces) and collaborated with James Corner Field Operations in developing the planting design along the High Line. And together with a coauthor, Noël Kingsley, Oudolf is establishing an enduring influence upon the landscape architecture and horticulture professions with a prolific output of books including *Designing with Plants*, *Planting Design: Gardens in Time and Space*, and the forthcoming *Landscapes in Landscapes*.

garden in favor of an aesthetic that celebrates a plant's entire life cycle. He values plants for their shape and texture and not just for their flowers, as is the case with many traditional garden designers. To Oudolf, flowers are compelling decorations. However, he says that it is much more important to choose plants based upon their individual attributes and their overall appearance. "The flowering period is so short for many plants, so that if you only chose them for their color, then you are probably using a lot of plants that are not going to work for the way I garden," he says. "So color is emotion—it is icing on the cake. It is the extra thing that you can create an atmosphere with. What you really need is plants that are going to perform after they have stopped flowering."

Oudolf is one of the founders of the New Wave Planting movement, a school that rebels against formal

Oudolf, who is 66, is rather informal, both in his work and in his appearance. He is a towering Dutchman

1 TUNNEL

A tunnel of *Fagus sylvatica* (beech) is an element in the garden in front of Oudolf's farmhouse.

2 WINTER

A boundary hedge composed of deciduous trees separates Oudolf's farm from his neighbors.

3 AUTUMN

In autumn the boundary hedge along the entrance driveway to Oudolf's farmhouse is transformed into a colorful tapestry.

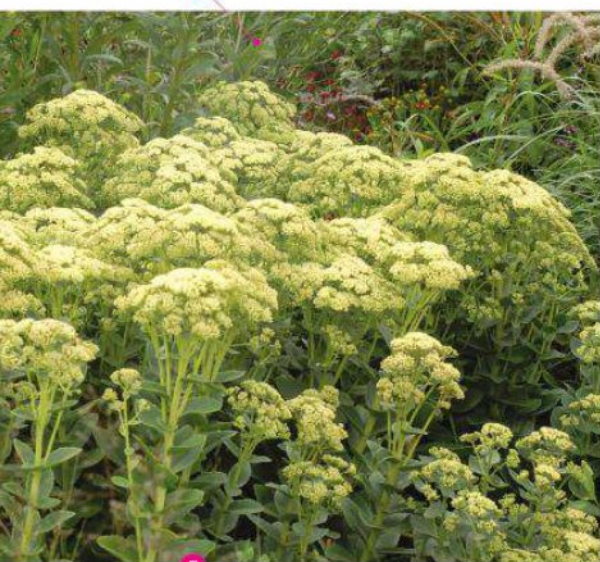
1



4 HEDGE

Although Oudolf's gardens capture the wild qualities of nature, civilized borders such as this manicured *Taxus baccata* hedge often frame them.





← OUDOLF FAVORITES

1 *AMSONIA HUBRICHTII*

2 *STACHYS 'HUMMELO'*

3 *SEDUM 'SUNKISSED'*

4 *SEDUM 'MATRONA'*

5 *RODGERSIA 'DIE ANMUTIGE'* AND *BRIZA MEDIA*

6 *ARUNCUS 'HORATIO'*



4



← OUDOLF'S OWN SELECTIONS

1 *ASTER*
'HERFSTWEELDE'

2 *MONARDA* 'OUDOLF'S
CHARM'

3 *SALVIA* 'DEAR ANJA'

4 *ECHINACEA* 'VINTAGE
WINE'

5 *SALVIA* 'EVELINE'

6 *SALVIA* 'PURPLE RAIN'



5



6



1

NEW → DISCOVERIES

1 *EUPATORIUM*
'SNOWBALL'

2 *PHLOMIS TUBEROSA*
COMPACT FORM



2



with a mop of white hair and a ready but quiet laugh. On most occasions, he looks as though he is ready to stop whatever else he is doing at the moment, walk right into a garden, and get down on his knees and start planting.

He has always been a renegade. After working in his parents' restaurant until age 26, he attended school to obtain a contracting degree in landscape design. He started his design practice in 1976 in the Dutch town of Haarlem. He was especially interested in learning about how plants grow, and in the early days of his career he hung around with botanists and ecologists more than he did with gardeners.

A driving force in his artistic development was his frustration with the limited plant palette and the dogma that were characteristic of European horticulture in the 1970s. And in order to find plants with what he terms "good character" (i.e., longer flowering periods, more interesting seed head and skeletons), he began to travel to specialized nurseries and gardens throughout Europe. At Alan Bloom's renowned Dell Garden in Bressingham, England, a multiseason perennial extravaganza that features thousands of species, Oudolf learned about plants such as summer asters, *Hele-niums*, and *Kniphofia*. He also made frequent pilgrimages to the Beth Chatto Gardens in Essex, a place he describes as a "Valhalla" for "plants people" during the 1970s and 1980s. That series of gardens was planted by the British plantswoman Beth Chatto, who became renowned for her research into finding the optimal plants for different kinds of harsh environments. Although Oudolf greatly expanded his repertoire during those years, he didn't find direct inspiration in many of the gardens that he visited. "The gardens were beautiful, but I was looking for something different with more spontaneity," he says. "It was like looking at antiques: You like them, but that doesn't necessarily mean that you want them."

In 1982, Oudolf and his family moved to a farmhouse outside the Dutch village of Hummelo to establish a nursery for the various seedlings that he and his wife Anja brought back from his travels. He also introduced new cultivars such as *Salvia verticillata* and hybrids such as a variety of *Monarda* known as 'Oudolf's Charm.' Rather than breeding a plant for the size of its petals or its dramatic flowers, he bred plants to have qualities similar to ones found in nature. Soon Oudolf's farm became a destination for gardeners who came from all over Europe in search of special plants. "I was always known as a nurseryman who designed gardens," he says of those early days. "But effectively I was a designer who had a nursery, and now it is more design that has taken over." (Oudolf and his wife closed the nursery earlier this year.)

Many of the plants he uses in the public gardens are still not typical fare for Western horticulture. Some are species that Oudolf discovered in his travels to places like Bosnia and Herzegovina. However, many others are commonly found in nature but have been overlooked by horticulturists because they do not fit with conventional notions of beauty.

At the Biennale this past August, plants with umbrella-shaped heads composed of many small flowers, such as yarrow and joe-pye weed, which are typically found along the North American roadside, were among the primary plants Oudolf used in the Giardino delle Vergini. Interspersed among the perennials was a tall, purplish, spiky grass with long, flat, hairy leaves called *Molinia caerulea*, purple moorgrass. At first glance this place looked like a wild meadow. However, after more careful observation, I was struck by the rhythm and balance among the many textures and colors. Nature certainly could not have established such a harmonious order. As the famous Dutch gardener Henk Gerritsen remarked in regard to Oudolf's work: "The plants look wild. The gardens do not."

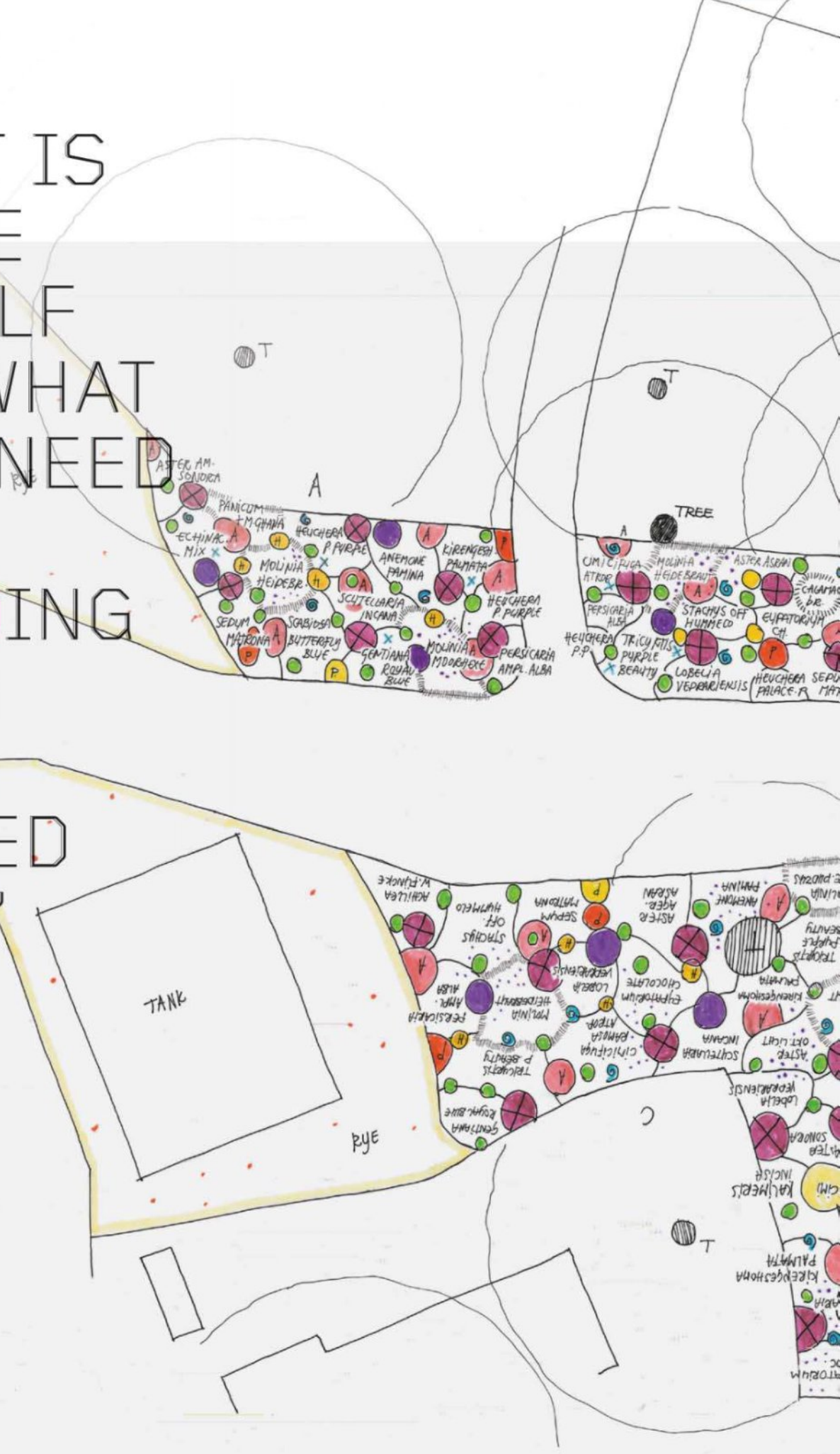
OPPOSITE

For his installation at the Giardino delle Vergini at the Venice Biennale, Oudolf chose plants that flower in late summer and early autumn.



"COLOR IS
EMOTION—IT IS
ICING ON THE
CAKE," OUDOLF
SAYS. BUT "WHAT
YOU REALLY NEED
ARE PLANTS
THAT ARE GOING
TO PERFORM
AFTER THEY
HAVE STOPPED
FLOWERING."

-  EUPATORIUM MAC ATROPURPUREUM
-  MOLINIA TRANSPARENT
-  HELENIUM RUBINZWERG
-  ECHINOPS TAPLOW BLUE
-  ASTER N.A VIOLETTA
-  ANEMONE ROBUSTISSIMA
-  PERSICARIA ORANGE FIELD
-  AGASTACHE BLUE FORTUNE
-  ACONITUM ARENDsii
-  PENNISETUM VIRIDESCENS



DEPOT







1 OFFICE GARDEN

This garden can be seen from Oudolf's office at his farmhouse.

2 ECHINACEA

In the front garden of his house Oudolf uses a variety of *Echinacea* such as *Deschampsia cespitosa* and *Verbena hastata*.

3 CALAMAGROSTIS 'KARL FOERSTER' AND RHUS TYPHINA

4 ANEMONE RIVULARIS





Oudolf has very detailed plans for plant placement within his gardens. Instead of a simple linear hierarchy of heights and colors, he approaches gardens the

way that a composer might arrange a piece of music with repeating motifs that vary in size and scale. Oudolf puts his plants into a matrix into which he plugs bigger groups of plants, which are punctuated by smaller individual ones of different heights and colors. And he creates a sense of rhythm within his design by repeating different groupings of plants but varying their scale. During the design process, he considers how the garden will look at different times of the year. He says he designs in four dimensions—the fourth, of course, being time.

James Corner says that to get the full impact, one has to view Oudolf's gardens on multiple occasions. "They play lyrically with time, season, and change," he writes. "While they may photograph beautifully, this is nothing compared to the more tactile and ambulant experience accrued through multiple visits, each stroll unfolding different impressions, moods, and experiences."

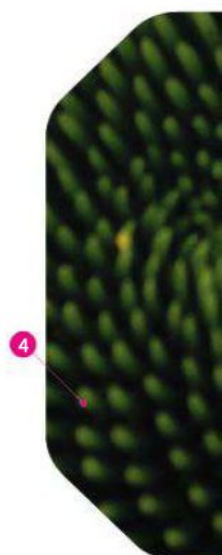
In Oudolf's approach, the type of gardening that most people do is called into question. For example, his gardens typically require less than half the maintenance that a typical rose garden needs. He says that people who take care of his gardens, besides possessing technical skills, need to be motivated and passionate about what they do. That is not to say that Oudolf has absolute standards. "If you don't like it you can cut it back, because it is your garden," he generally

says to his customers. However, he adds, "Something that is out of flower often is still looking pretty good. Even if it is dead and falling over, it can be pretty nice—for example, when the buds are frozen."

Oudolf draws a distinction between his approach and that of the Deep Ecology Movement, which is espoused by the activist group Earth First! and the Norwegian philosopher Arne Naess. These absolutists hold that humans have no right to reorder nature. By contrast, Oudolf sees his work as being inspired by nature, not as re-creating it. In *Planting Design: Gardens in Time and Space*, Oudolf and Kingsbury write: "Much of what we do is only partly naturalistic and sometimes not very ecological—but these two concepts always *inform* our work to a greater or lesser degree.... We see them as being part of a continuum, a continuum which also includes the vision of the human artistic imagination."

Oudolf's landscapes operate on a much deeper and more complex level than does the traditional big, lush flower garden or the opposite extreme, a garden planted only with indigenous plantings. Instead, as with a good theater production or a work of great literature, Oudolf distills his plant palette into a drama that often seems more real than life itself. And his aesthetic is especially powerful in this age of rapid urbanization and environmental degradation because it reminds us of something that is fast disappearing—nature. ●

ALEX ULAM IS A FREELANCE JOURNALIST WHO WRITES FREQUENTLY ON ARCHITECTURE AND DESIGN FOR PUBLICATIONS SUCH AS *THE ARCHITECT'S NEWSPAPER* AND *THE REAL DEAL*.



1 *ASTRANTIA* 'CLARET'

2 *ASTRANTIA* 'ROMA'

3 *PHLOX* 'BLUE PARADISE'

4 *ECHINACEA* 'VIRGIN'

A GENTEEL

**RICE UNIVERSITY'S NEW PAVILION GARDEN
BRINGS THE CAMPUS AN ORDER
THAT'S MISSING IN THE CITY AROUND IT.**

BY JENNIFER ZELL, ASLA

IMAGE CREDIT
Office of James Burnett







WHAT IS UNIQUE AND NOTEWORTHY
IS HOW THE PROJECT TAKES THE
TRADITION OF MODERNISM AND
PRODUCES INSPIRATION AND CLARITY.

SPRAWLING POSTINDUSTRIAL CITIES LIKE HOUSTON HAVE BEEN DESCRIBED BY LANDSCAPE URBANISTS AS HAVING A FORM RESEMBLING A SCRAMBLED EGG. THE INFRASTRUCTURE OF THE CITY IS SPREAD OUT IN A NETWORK OF VARYING DENSITIES. BY CONTRAST, AN ANCIENT WALLED CITY IS DESCRIBED AS A HARD-BOILED EGG, WHERE BOTH THE CITY CENTER AND PERIMETER ARE CLEARLY DEFINED. WITHIN HOUSTON'S EXPANSIVE NETWORK OF DEVELOPMENT IS RICE UNIVERSITY, A REMNANT OF THE CLASSIC CONCEPTS OF ORDER AND HIERARCHY. AND AT THE CENTER OF RICE UNIVERSITY IS THE NEW BROCHSTEIN PAVILION.

The Brochstein Pavilion and its garden were inspired by a conspicuous feature of the Houston landscape, but a feature that is more lyric than its unavoidable sprawl—live oak trees. The pavilion's architect, Thomas Phifer, says, "It is the spirit of those trees that is behind the kind of ethos of the pavilion." He wanted the structure to imitate the experience of sitting under a live oak. The Office of James Burnett (OJB) extended this idea into the surrounding outdoor spaces and garden.

It is difficult to describe the landscape, which won a 2010 Professional Award from ASLA for General Design, without first understanding the university context. Early in the school's history, the Boston architects Cram, Goodhue & Ferguson conceived a campus plan in the grand tradition of Western European architecture. A primary east–west axis intersected by north–south cross axes establishes the spatial order of campus buildings and outdoor spaces. The Academic Court to the east and the Great Square to the west were symmetrically arranged about the primary axis. Allées planted with live oak trees modulate the overwhelmingly horizontal character of the Houston landscape.

The established order in physical planning from the 1910 Cram general plan has remained surprisingly cohesive over the years.

LEFT

Extending over the seating and circulation areas, the pavilion roof forms a deep verandah.

IMAGE CREDIT

Office of James Burnett



However, in 1948 the Fondren Library was built, creating a physical barrier along the primary axis and blocking the flow of circulation from the Academic Court to the Great Square. This move was a rejection of Cram's general plan and resulted in a dark and isolated campus space west of the Fondren Library. In 1970, Louis Kahn proposed ambitious modifications to the Cram plan that were never built. In 1983, Cesar Pelli & Associates prepared a master plan for growth for the university in an effort to reestablish the order and hierarchy of the 1910 Cram general plan.

The primary objective for the Brochstein Pavilion, as identified by Rice University President David Leebron, was to relink the Academic Court with the western portion of campus. Additionally, the 6,000-square-foot garden pavilion, which houses a small food kiosk, seating areas, and restrooms, was to fill the need for a vibrant campus social center. The diminutive structure, located at the intersection of the two primary campus circulation corridors, is situated in the landscape in such a way that its transparent quality suggests a seamless connection to the existing landscape of live oaks.

The landscape architect worked in close collaboration with the architect. The building plan is a simple square with a 25-foot-deep verandah wrapping all sides of the structure. Extending over the verandah is an aluminum rod trellis supported by a light steel frame support. The trellis was designed to filter sunlight, mimicking the filtered shade cast by the surrounding oaks.

THE DESIGN OF THE GARDEN MANAGES TO BOTH MITIGATE THE EFFECTS OF THE LARGE, STARK LIBRARY WALL AND CREATE AN INTIMATE OUTDOOR SPACE.

Narrow *Equisetum* planters surround the building and help to separate seating areas from circulation space. The saw-cut joints and sandblast-finish concrete seamlessly extend from the interior concrete slab. To improve the flow of circulation, the landscape architect elevated the pavilion above the landscape to the south, and gradually ramped the north-south path to achieve an entrance at grade into the library, eliminating the need for stairs.

Between the pavilion and the west facade of the Fondren Library lies a tranquil garden bisected by a path that connects the library to the pavilion. Arranged symmetrically along the path, each garden space is framed by an allée of 24 elm trees and centered on a low, onyx-black, linear water fountain measuring four feet by 52 feet. Water pools on the top surface of the fountain, and a continuous, gossamer sheet of water spills over the sides and into a narrow basin. The two fountains are expertly engineered and detailed, designed to deliver the most amount of water to the most people who may be hanging around them. The fountain was originally conceived as a granite slab, but the fine finish work of the concrete achieves a remarkable density and precision, and at a more palatable cost. Describing the fountain's construction, Chip Trageser, ASLA, a principal at OJB, notes: "The form work looked like cabinetry." The fountain has a come-hither effect. Visitors can be observed arranging and rearranging the polished stones—similar to raking patterns in a desktop Zen garden.

LEFT
Axial paths define campus circulation.

IMAGE CREDIT
Hester + Hardaway





OPPOSITE BOTTOM

The landscape provides a setting for campus gatherings.

IMAGE CREDIT

Hester + Hardaway

SITE PLAN

IMAGE CREDIT

Office of James Burnett

1 LIGHTING AND SEATING

Mulch, lighting, and movable seating were added under existing trees.

2 NEW LIVE OAKS

The landscape architect added a row of live oak trees.

3 BROCHSTEIN PAVILION

4 EXISTING LIVE OAKS

5 LOW WALL

6 ELM TREES

7 FOUNTAINS

Linear water fountains bisect each garden space.

8 FONDREN LIBRARY

THE SEAMLESSNESS OF
THE LANDSCAPE AND
ARCHITECTURE WAS
NOT ONE-SIDED. THE
ENCLOSED CORE OF THE
BUILDING IS ARRANGED
TO ALLOW THE AXIAL
PEDESTRIAN PATH, AND
THE LANDSCAPE BEYOND,
TO PERCEPTUALLY
PENETRATE THE BUILDING.

The success of the project is revealed in the apparent seamlessness between the architecture and the landscape, which at first glance appears to be a dutiful execution of a well-worn precept of modern landscape architecture—landscape as an extension of the internal geometries of architecture. On second glance, it becomes clearer that the seamlessness of the landscape and architecture was not one-sided. The enclosed core of the building is asymmetrically arranged to allow the axial pedestrian path, and the landscape beyond, to perceptually penetrate the building. Conceptual renderings of the pavilion illustrate the landscape as being integral to the expression of the architecture. The structure is an extension of the canopy of live oak trees familiar to the Houston region and the immediate context of the university. This effect is achieved not only in the scale and transparency of the building, but in the aluminum rods of the roof structure and interior ceiling of perforated metal—diffusing even artificial light.

Approaching the interior of Rice University, it is easy to be drawn in by the demure luminosity of the Brochstein Pavilion. In the viewer's perspective, the setting and the structure itself fuse together. This simultaneous experience of interior space and exterior space is even more pronounced as nearly all other campus buildings are constructed with heavy masonry and limestone materials and are, as Burnett observes, "focused inward on the lectern." These overtures of simultaneity and openness could be construed as apt commentary on our changing culture, where knowledge is an open-source arena.

Originally, campus officials had concerns that the six-story blank facade of the library would overwhelm the garden. However, after



ILLUMINATION
The garden and pavilion
illuminate what was
formerly a dark and
underused portion of
the Rice campus.

IMAGE CREDIT
Hester + Hardaway



1



2

careful sectional studies of scale relationships and sun angles by OJB, the design of the garden manages to both mitigate the effects of the stark wall and create an intimate outdoor space. Burnett honed a heightened awareness of the sensory needs of patients during his early work in healing facilities, where reduction of stress and protection from the sun have become common-sense practice. “A lot of what we were doing here is about human comfort,” Burnett says. The garden defines an outdoor space to be occupied rather than just looked at or passed through. Stephen Fox, an architecture critic and professor, observes that this scale of garden is missing from most campus grounds and is a welcome addition to Rice University.

The design language of the garden is familiar; it was innovative at the time landscape architect Peter Walker, FASLA, was translating the work of minimalist artists into a minimalist landscape style. What is unique and noteworthy is how the project takes the tradition of modernism and produces inspiration and clarity. The landscape reinterprets the regional context of horizontality, punctuated by vertical oak trees, and solves critical circulation and scale issues of the immediate context.

Houston is a city with few spatial constraints imposed by the natural environment. Rice University is a school with a small

population, a large spatial footprint, and a collection of historic buildings referencing other places and times. The garden and pavilion do not perpetuate any kind of historical myth. Rather, the two have translated observable realities—the extreme Houston climate, the flat landscape, and the reprieve provided by oak trees and slowly moving water. The project expresses an authenticity rare in contemporary culture and even more obscure in Houston’s landscape of expansion. ●

JENNIFER ZELL, ASLA, IS A LANDSCAPE ARCHITECT WITH JOSEPH FURR DESIGN STUDIO IN BATON ROUGE, LOUISIANA.

Project Credits

CLIENT RICE UNIVERSITY, HOUSTON. **LANDSCAPE ARCHITECT** THE OFFICE OF JAMES BURNETT, HOUSTON (JAMES BURNETT, FASLA; CHIP TRAGESER, ASLA; ANDREW WALBERS). **ARCHITECT** THOMAS PHIFER AND PARTNERS, NEW YORK CITY. **LIGHTING** FISHER MARANTZ STONE, NEW YORK CITY. **CIVIL ENGINEERS** WALTER P. MOORE, HOUSTON. **GEOTECH** ULRICH ENGINEERS, HOUSTON. **MECHANICAL, ELECTRICAL, AND PLUMBING** ALTIERI SEBOR WIEBER, NORWALK, CONNECTICUT. **STRUCTURAL ENGINEERS** HAYNES WHALEY ASSOCIATES, HOUSTON. **FIRE** ROLF JENSEN & ASSOCIATES, HOUSTON. **SPECIFICATIONS** CONSTRUCTION SPECIFICATIONS, MORGANVILLE, NEW JERSEY. **CONTRACTOR** LINBECK GROUP, HOUSTON.

1 CAMPUS HUB

Students enjoy the new commons.

2 WATER FOUNTAIN

The black concrete water fountain deepens the space with reflections.

3 SHADE

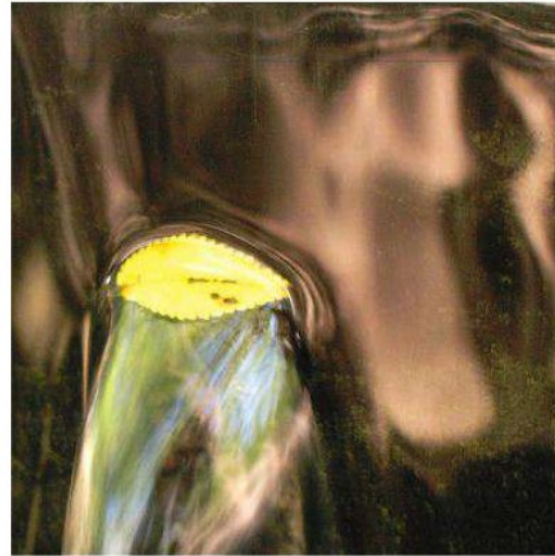
Trees create dappled shade.

4 MOVING WATER

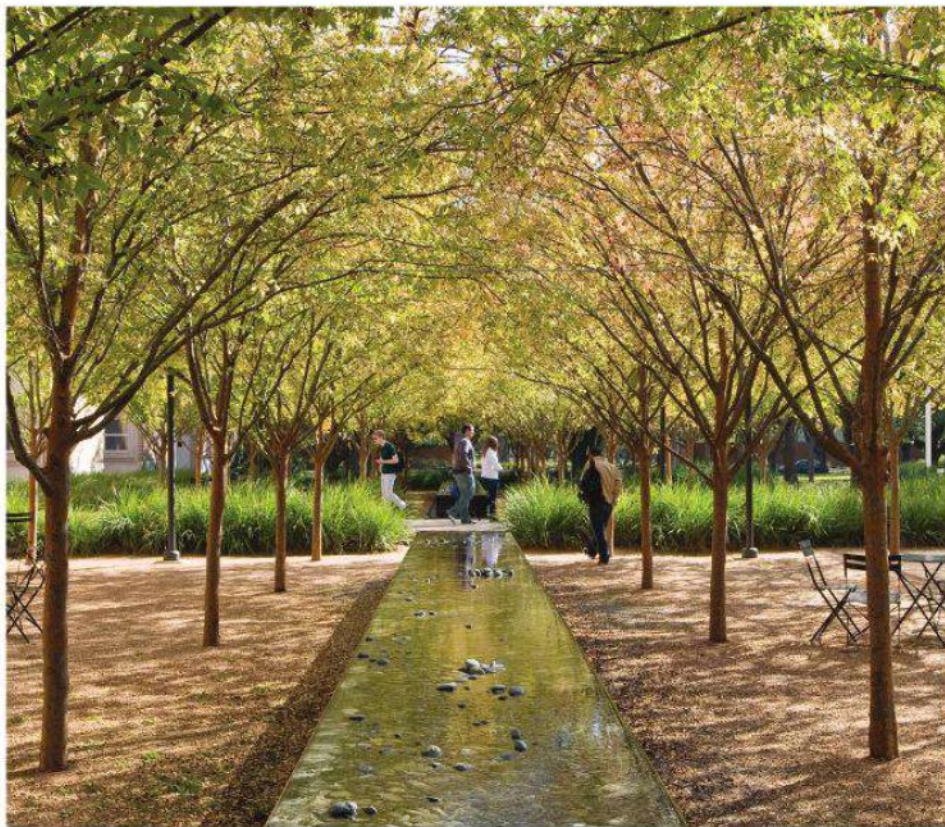
Water moves over the surface of the fountain.

IMAGE CREDITS

Hester + Hardaway, 1–3; Office of James Burnett, 4.



4



3

THE FOUNTAIN HAS
A COME-HITHER
EFFECT. PEOPLE CAN
BE SEEN ARRANGING
AND REARRANGING
THE POLISHED
STONES—SIMILAR
TO RAKING PATTERNS
IN A DESKTOP ZEN
GARDEN.

Group's office in Sausalito, California. "I was lucky, because I knew many people with good portfolios who were not accepted for internships," Li, who is 33, recalls.

That internship, which rotates among SWA's various offices, was an intensive and rewarding experience, Li says, and the perks weren't bad either. In addition to a stipend, the interns were provided accommodation on houseboats and given bikes to commute to the office.

Compare that situation to that of another student who was rejected for an internship at a prominent university in landscape architecture.

Compare that situation to that of another student who was rejected for an internship at a prominent university in landscape architecture.

work on projects, building, graphic design, and presentation documents. The interns, all from Harvard School of Design, principals teaching at State University, all

of whom come from the Graduate School of Design, three from Harvard, two from Iowa State University, and one from Colorado State University, all

ships are, of course, an important part of the landscape architecture education. They give students the chance to work with principals, assist on actual projects, and develop design skills under the guidance of experienced staff. But

states among as an intern-ence, Li says, id either: In interns were n on house-

re than a variety "we're light ne-erns by offered

Exact statistics on the changing situation with internships are not available. But interviews with students, landscape architecture firms, and university officials all suggest that the economic downturn has tightened chances for internships. "It has become more difficult to find jobs for interns, even if they are less expensive for the firms," complains Bernie Dahl, a professor of landscape architecture at the University of California, Berkeley, and coordinator of its internship program, which places students annually in landscape architecture firms. "It's a difficult time for students to find internships, but I think that's true in many other fields as well."

2008 survey of Colleges and Universities, 70 percent of participating schools reported a 10 percent or more decrease in the number of student internships offered.

other to pay profession has and became the paid any going a

LEAP

ECONOMIC PRESSURES OVER THE PAST FEW YEARS HAVE MADE INTERNSHIPS AND ENTRY-LEVEL JOBS HARDER TO FIND IN LANDSCAPE ARCHITECTURE, WHICH FOR MANY PEOPLE ONLY COMPLICATES THE ROAD TO LICENSURE.

BY ERNEST BECK

Compare that situation to that of another student who was rejected for an internship at a prominent university in landscape architecture at a prominent university in landscape architecture.

Exact statistics on the changing situation with internships are not available. But interviews with students, landscape architecture firms, and university officials all suggest that the economic downturn has tightened chances for placement. "It has become more difficult to find jobs for interns, even if they are less expensive for the firms," complains Bernie Dahl, FASLA, an associate professor of landscape architecture at Purdue University and coordinator of its internship program, which places

ates, and clients on actual projects, design skills under experienced staff, about how a firm doing relationships ss and marketing, has forced many e their programs, nts scrambling to

WANT

That internship, which SWA's various offices, and rewarding experience. The perks weren't bad either: a stipend, the internship accommodation on the given bikes to commu-

Compare that situation of another student whose internship was rotational in landscape architecture at a prominent university. More than a dozen different firms, each with a variety of responsibilities, rotated through the program. "We're taking interns, not paying them," they said, "because we can't pay an unpaid position like that. Another unpaid position at a small firm in landscape architecture was accepted and found a group of other unpaid interns with mixed experience levels. They were assigned challenging projects, but the experience was overshadowed by a nagging sense

EDding many students' positions.

The changing situations are not available to students, landlords, and university that the economic stricken chances for placement. "It has become more difficult to find jobs for interns, even if they are less expensive for the firms," complains Bernie Dahl, FASLA, an associate professor of landscape architecture at Purdue University and coordinator

Maq Trusc, a 22-year-old graduate student in landscape architecture at the University of California at Berkeley, started applying for summer internships last year and had good reason to be apprehensive. After all, the economy was still in a rut and many landscape architecture firms were reeling from the slowdown, laying off staff and reining in spending. Li applied for three internships and was *overjoyed* to receive one offer for a paid position at SWA Group's office in Sausalito, California. "I was lucky, because I knew many people with good portfolios who were not accepted for internships," Li, who is 22, recalls.

INTERNS WHO PASSED THROUGH ITS OFFICES AND 4 HAVE BECOME PARTNERS IN THE FIRM.

work on projects in building, graphic design documents for real estate. The interns, about half from Harvard University's School of Design—where once my very first job was—as well as from Iowa State University and Colorado State University, are in on design and they're paid, of course, for heaven's

TEN LEADERS:

HAS HIRED
RE THAN 200

JOBS WANTED

Yu-Chung Li, Student ASLA, a graduate student in landscape architecture at the University of California at Berkeley, started applying for summer internships last year and had good reason to be apprehensive. After all, the economy was still in a rut and many landscape architecture firms were reeling from the slowdown, laying off staff, and reining in spending. Li applied for three internships and was overjoyed to receive one offer for a paid position at SWA Group's office in Sausalito, California. "I was lucky, because I knew many people with good portfolios who were not accepted for internships," Li, who is 33, recalls.

That internship, which rotates among SWA's various offices, was an intensive and rewarding experience, Li says, and the perks weren't bad either: In addition to a stipend, the interns were provided accommodation on houseboats and given bikes to commute to the office.

Compare that situation to the experience of another student whose quest for an internship was rough going. A graduate student in landscape architecture at a

prominent university, she applied to more than a dozen firms and received a variety of responses, ranging from "we're taking interns but can't or might not pay" to "we're not taking interns

directly with principals, associates, and clients on actual projects, and to hone their design skills under the mentorship of experienced staff. Interns also learn about how a firm operates, from building relationships to the design process and marketing. Yet the recession has forced many firms to reevaluate their programs, leaving many students scrambling to find positions.

Exact statistics on the changing situation with internships are not available. But interviews with students, landscape architecture firms, and university officials all suggest that the economic downturn has tightened chances for placement. "It has become more difficult to find jobs for interns, even if they are less expensive for the firms," complains Bernie Dahl, FASLA, an associate professor of landscape architecture at Purdue University and coordinator

"WE ARE CONCERNED ABOUT A LOST GENERATION OF DESIGNERS," SAYS BECKY ZIMMERMAN, THE PRESIDENT OF DENVER-BASED DESIGN WORKSHOP.

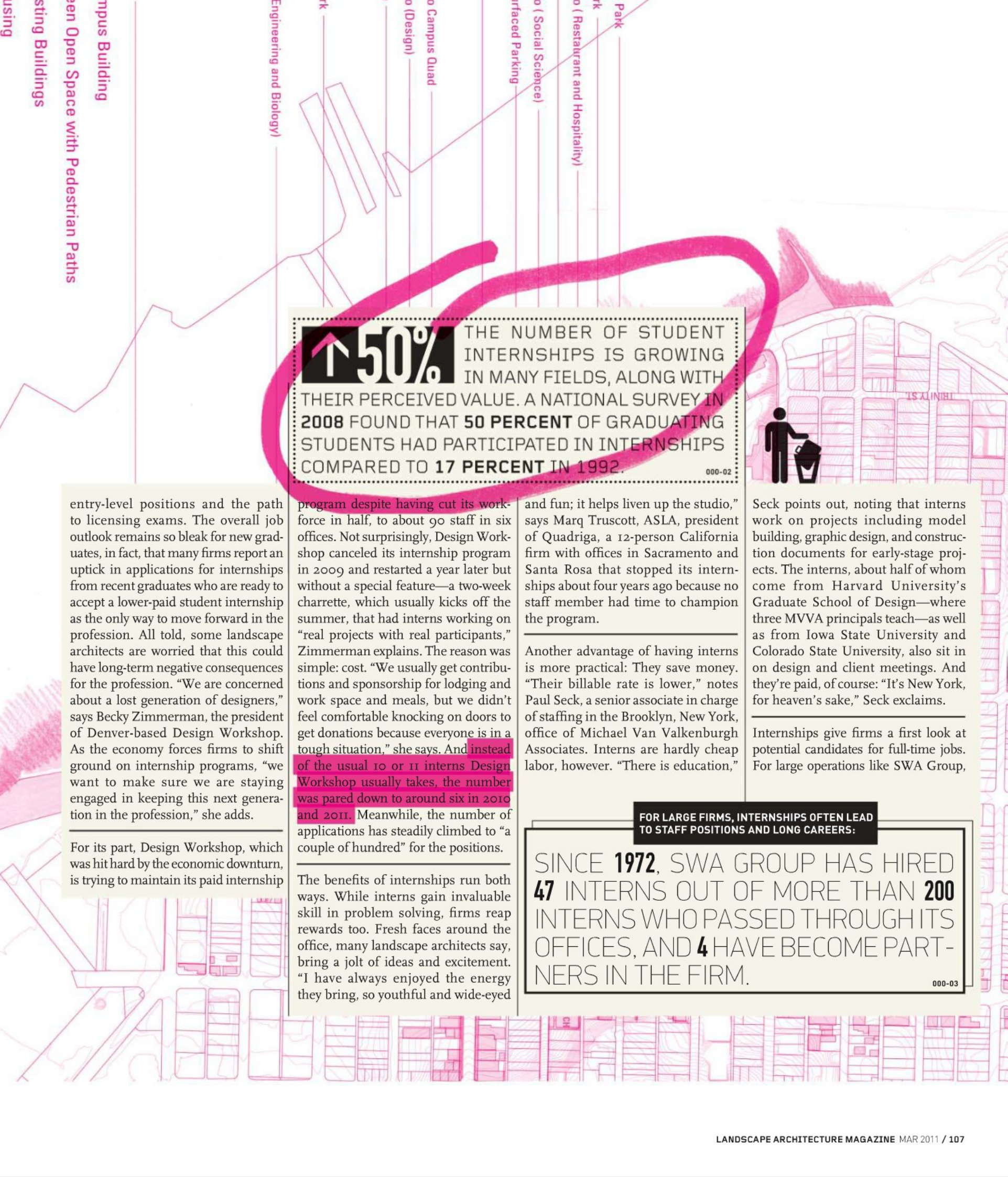
000-01

because we can't pay." One firm offered an unpaid position but then rescinded it. Another unpaid position popped up at a small firm in a major city, and she accepted and found herself among a group of other unpaid interns. It was a mixed experience: She was assigned to challenging projects, but the experience was overshadowed by a nagging sense of exploitation and despair. "I had the feeling we were being taken advantage of, and that was disheartening," says this person, who asked to remain anonymous to avoid damaging her employment opportunities after she graduates. "Even to work for free it was hard to find a job," she adds.

Internships are, of course, an integral part of landscape architecture education. They give students the chance to work

of its internship program, which places about 30 students annually in internships for a full academic year. In one case, he says, a firm that had taken a Purdue intern was forced to cut six staff members—including the intern.

Reduced opportunities for student interns also jeopardize the entire educational process from interns to



↑50%

THE NUMBER OF STUDENT INTERNSHIPS IS GROWING IN MANY FIELDS, ALONG WITH THEIR PERCEIVED VALUE. A NATIONAL SURVEY IN 2008 FOUND THAT **50 PERCENT** OF GRADUATING STUDENTS HAD PARTICIPATED IN INTERNSHIPS COMPARED TO **17 PERCENT** IN 1992.

000-02



entry-level positions and the path to licensing exams. The overall job outlook remains so bleak for new graduates, in fact, that many firms report an uptick in applications for internships from recent graduates who are ready to accept a lower-paid student internship as the only way to move forward in the profession. All told, some landscape architects are worried that this could have long-term negative consequences for the profession. “We are concerned about a lost generation of designers,” says Becky Zimmerman, the president of Denver-based Design Workshop. As the economy forces firms to shift ground on internship programs, “we want to make sure we are staying engaged in keeping this next generation in the profession,” she adds.

For its part, Design Workshop, which was hit hard by the economic downturn, is trying to maintain its paid internship

program despite having cut its workforce in half, to about 90 staff in six offices. Not surprisingly, Design Workshop canceled its internship program in 2009 and restarted a year later but without a special feature—a two-week charrette, which usually kicks off the summer, that had interns working on “real projects with real participants,” Zimmerman explains. The reason was simple: cost. “We usually get contributions and sponsorship for lodging and work space and meals, but we didn’t feel comfortable knocking on doors to get donations because everyone is in a tough situation,” she says. And instead of the usual 10 or 11 interns Design Workshop usually takes, the number was pared down to around six in 2010 and 2011. Meanwhile, the number of applications has steadily climbed to “a couple of hundred” for the positions.

The benefits of internships run both ways. While interns gain invaluable skill in problem solving, firms reap rewards too. Fresh faces around the office, many landscape architects say, bring a jolt of ideas and excitement. “I have always enjoyed the energy they bring, so youthful and wide-eyed

and fun; it helps liven up the studio,” says Marq Truscott, ASLA, president of Quadriga, a 12-person California firm with offices in Sacramento and Santa Rosa that stopped its internships about four years ago because no staff member had time to champion the program.

Another advantage of having interns is more practical: They save money. “Their billable rate is lower,” notes Paul Seck, a senior associate in charge of staffing in the Brooklyn, New York, office of Michael Van Valkenburgh Associates. Interns are hardly cheap labor, however. “There is education,”

Seck points out, noting that interns work on projects including model building, graphic design, and construction documents for early-stage projects. The interns, about half of whom come from Harvard University’s Graduate School of Design—where three MVVA principals teach—as well as from Iowa State University and Colorado State University, also sit in on design and client meetings. And they’re paid, of course: “It’s New York, for heaven’s sake,” Seck exclaims.

Internships give firms a first look at potential candidates for full-time jobs. For large operations like SWA Group,

FOR LARGE FIRMS, INTERNSHIPS OFTEN LEAD TO STAFF POSITIONS AND LONG CAREERS:

SINCE **1972**, SWA GROUP HAS HIRED **47** INTERNS OUT OF MORE THAN **200** INTERNS WHO PASSED THROUGH ITS OFFICES, AND **4** HAVE BECOME PARTNERS IN THE FIRM.

000-03

The bar has been set much higher for intern candidates now than in the boom years. **OLIN** requires candidates to be proficient in programs such as CAD, PhotoShop, Illustrator, InDesign, and SketchUp.

000-04

which has run an internship program almost continuously since 1972, internships often lead to staff positions and long careers: The firm has hired 47 interns out of more than 200 interns who passed through its offices, and four have become partners in the firm. "It's an investment," Elizabeth Shreeve, a principal in the Sausalito office, says about the firm's extensive eight- to 10-week internship program, which includes studio problems, field trips, juried projects presented to a panel of experts—to polish their presentation skills—and weekly talks by senior staff. It's not a vacation, despite the biking and kayaking trips. "We run them a little ragged," Shreeve says about the highly structured program, which last summer focused on a project to develop a downtown revitalization plan and university campus for the city of Vallejo,

California. That was an important aspect of interning for Li, the UC Berkeley student who was at SWA last summer, because "the task, the people, the client—they were all real," he explains.

While some firms scaled back, the OLIN firm in Philadelphia adjusted to the shifting economic situation—in this case a surge in business after a decline, a wage freeze, and belt tightening—by doubling the number of summer interns last year to six. "We were busy, we needed the help, and there was a significant number of qualified students," says Sydney Koerner, human resources director at OLIN, which has a staff of 74. Moreover, the firm wasn't sure if the workload would be sustained



to enable the hiring of full-time staff, so interns were needed to pick up the slack. "We didn't want to project out too far and thought interns could help us," she adds, noting that the firm is now hiring staff. OLIN has had an internship program for more than 30 years, with students for the 10-week paid positions recruited nationally to ensure diversity. "We have an obligation to train the future of the profession and the future of OLIN, as we tend to hire a significant number of graduates," Koerner says.

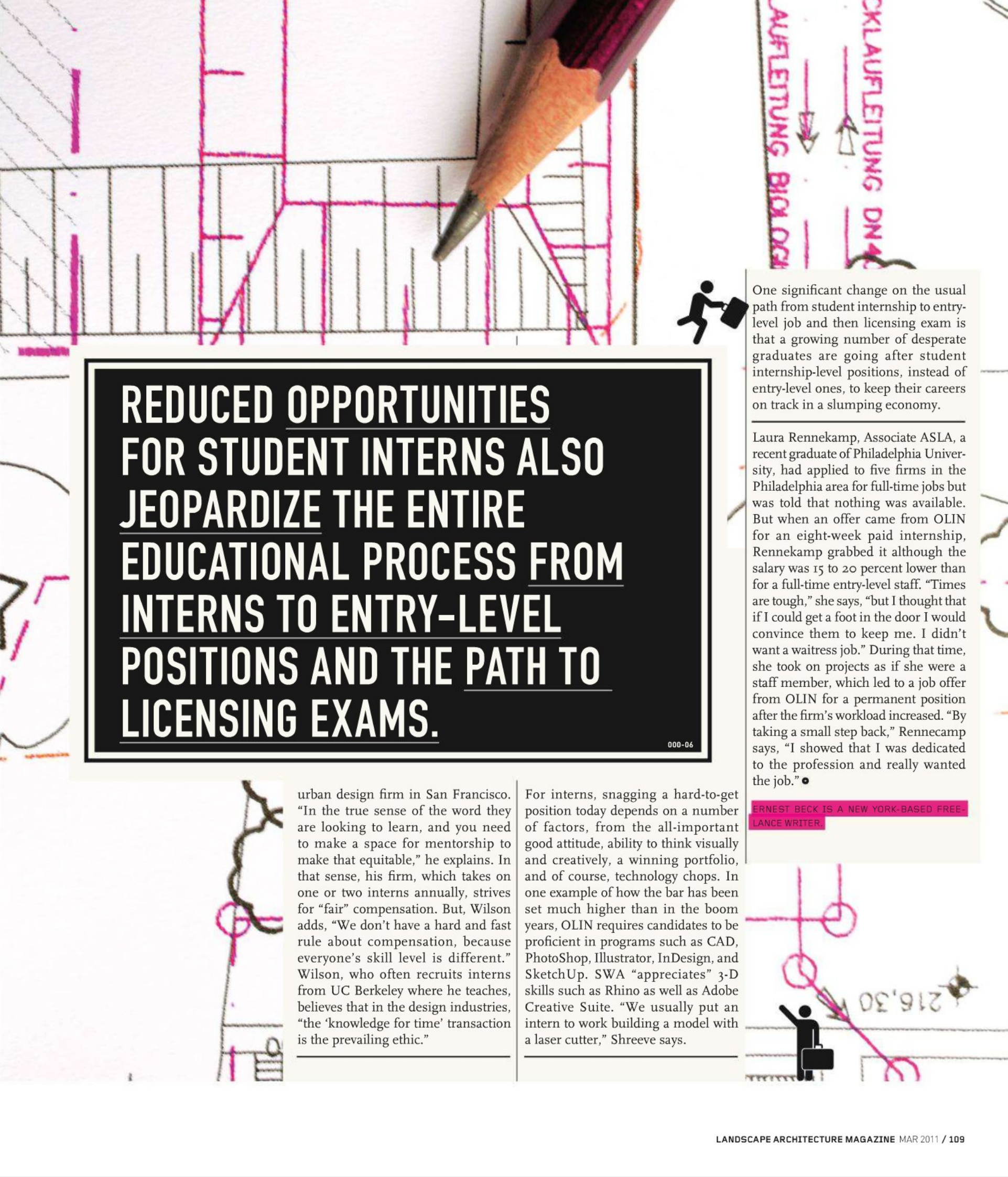
The number of student internships is growing in many fields, along with their perceived value. A 2008 survey by the National Association of Colleges

and Employers found that 50 percent of graduating students had participated in internships compared to 17 percent in 1992, according to a study done by Northwestern University.

Yet the question of whether to pay student interns in any profession has always been contentious, and became a heated issue last year in light of the recession. With the number of unpaid internships climbing as the economy deteriorated, federal and state regulators last year began investigating a number of companies to see whether the internship positions they offered violated minimum wage statutes. The *New York Times* quoted Labor Department officials as saying that they will lead a nationwide crackdown on firms that fail to pay interns properly. Officially, there are six federal legal criteria for internships to be unpaid, including that the intern does

not displace regular paid workers and that the internship should be similar to training in an academic institution or educational setting.

Landscape architecture firms vary on pay policies. "Intern is a fuzzy term," says Marcel Wilson, ASLA, founder of Bionic, a three-person landscape and



REDUCED OPPORTUNITIES FOR STUDENT INTERNS ALSO JEOPARDIZE THE ENTIRE EDUCATIONAL PROCESS FROM INTERNS TO ENTRY-LEVEL POSITIONS AND THE PATH TO LICENSING EXAMS.



One significant change on the usual path from student internship to entry-level job and then licensing exam is that a growing number of desperate graduates are going after student internship-level positions, instead of entry-level ones, to keep their careers on track in a slumping economy.

Laura Rennkamp, Associate ASLA, a recent graduate of Philadelphia University, had applied to five firms in the Philadelphia area for full-time jobs but was told that nothing was available. But when an offer came from OLIN for an eight-week paid internship, Rennkamp grabbed it although the salary was 15 to 20 percent lower than for a full-time entry-level staff. "Times are tough," she says, "but I thought that if I could get a foot in the door I would convince them to keep me. I didn't want a waitress job." During that time, she took on projects as if she were a staff member, which led to a job offer from OLIN for a permanent position after the firm's workload increased. "By taking a small step back," Rennkamp says, "I showed that I was dedicated to the profession and really wanted the job." ●

ERNEST BECK IS A NEW YORK-BASED FREELANCE WRITER.



urban design firm in San Francisco. "In the true sense of the word they are looking to learn, and you need to make a space for mentorship to make that equitable," he explains. In that sense, his firm, which takes on one or two interns annually, strives for "fair" compensation. But, Wilson adds, "We don't have a hard and fast rule about compensation, because everyone's skill level is different." Wilson, who often recruits interns from UC Berkeley where he teaches, believes that in the design industries, "the 'knowledge for time' transaction is the prevailing ethic."

For interns, snagging a hard-to-get position today depends on a number of factors, from the all-important good attitude, ability to think visually and creatively, a winning portfolio, and of course, technology chops. In one example of how the bar has been set much higher than in the boom years, OLIN requires candidates to be proficient in programs such as CAD, PhotoShop, Illustrator, InDesign, and SketchUp. SWA "appreciates" 3-D skills such as Rhino as well as Adobe Creative Suite. "We usually put an intern to work building a model with a laser cutter," Shreeve says.



GIFTSCAPE

Make a great impression.

Give your clients a subscription to *Landscape Architecture* magazine — filled with designs, ideas, and opportunities that reflect well on you.

To order, return the subscription card at the end of this issue or call 1-800-787-5267.

Your Inspiration. Your Impact.

**LANDSCAPE
ARCHITECTURE
MAGAZINE**



AMERICAN
SOCIETY OF
LANDSCAPE
ARCHITECTS

ASLA Honor Award Recipient, Manhattan Roof Terrace
by Sawyer/Berson Architecture & Landscape Architecture, LLP, (photo by Bill Cunningham)



THE BACK

CLOSE: A JOURNEY IN SCOTLAND

At the U.S. Botanic Garden,
Washington, D.C., through June 5

The photographer Allan Pollok-Morris has traveled around Scotland capturing landscape designs and works of land art, as well as their makers, such as Andy Goldsworthy, Charles Jencks, Zara Miligan, and Arabella Lennox-Boyd, whose stepped labyrinth garden at Maggie's Cancer Caring Centre in Dundee is pictured here with its Frank Gehry building. A number of Pollok-Morris's photos are on display at the U.S. Botanic Garden this spring. For those unable to see the exhibition in person, a second edition of his engrossing book *Close: Landscape Design and Land Art in Scotland* is available from Northfield Editions, which also sells selected prints of his work. You can see what's available at www.northfieldeditions.com.

IMAGE CREDIT

Allan Pollok-Morris

THE BACK / **HISTORY**

IN SUBURBAN NEW YORK, PEPSICO

SCULPTURE

KEEPS THE SCULPTURE GARDEN

FOR

OF ITS CORPORATE CAMPUS

EVERYONE

SECRETLY OPEN TO THE PUBLIC.

BY FRANK EDGERTON MARTIN



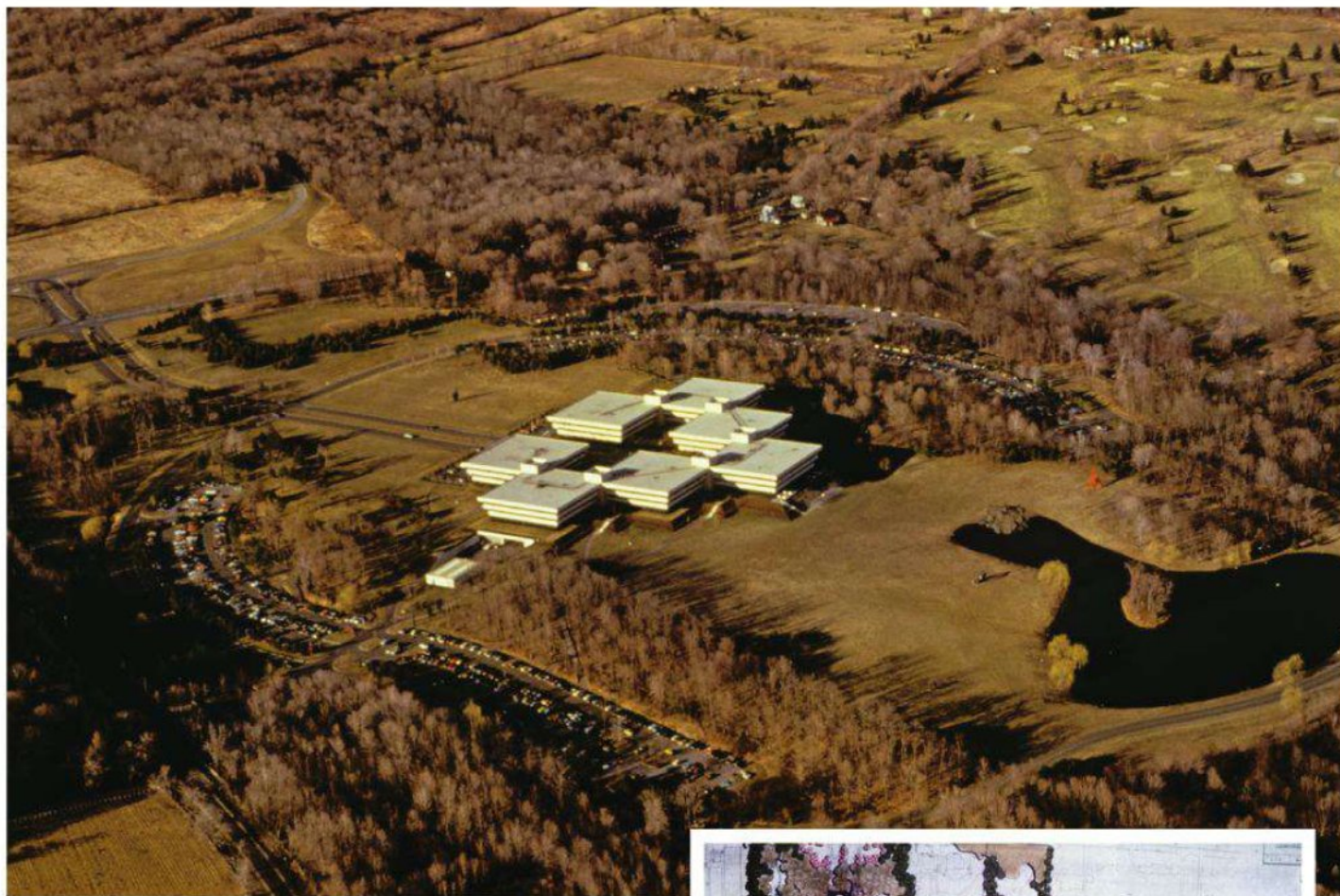


OPEN TO ALL

In the 1970s, PepsiCo left New York City to build a pastoral campus with sweeping views, water, and a feeling of complete escape from urban density.

IMAGE CREDIT

Courtesy EDSA



ABOVE
Built on the site of a former polo club, PepsiCo's rational checkerboard of buildings allowed for future expansion.

RIGHT
This early plan shows how E. D. Stone sited employee parking at the edge of the site in discreet curving lots sheltered by woods.

IMAGE CREDITS
Courtesy EDSA

DURING THE URBAN TUMULT of the late 1960s, major corporations fled to affluent suburbs to build a new generation of "campuses" where landscape architecture and art buffered social chaos with a veneer of order. The PepsiCo World Headquarters, opened in 1970 in Purchase, New York, is a monument to the era's fears and aspirations for safety, stability, and beauty. Now 40 years old and "historic," the 152 acres of grounds and sculpture gardens, designed by the landscape architect E. D. Stone Jr. (1939–2009), flow around the original sleek white buildings designed by his father, the architect Edward Durrell Stone (1902–1978).

The Donald M. Kendall Gardens are named for the visionary CEO of PepsiCo who oversaw the soft-drink company's merger with Frito-Lay and its growth into a worldwide corporate force, including

**THE WORKS IN PEPSICO'S
COLLECTION COVER MUCH OF
THE MODERN SCULPTURE CANON.**



ASLA's FIRM FINDER

Target 7,500 potential clients each month.

The natural resource for growing your business.

Each professional member, in the private sector, receives a free firm listing. Enhanced profiles are also available and include:

- Detailed description of services and specializations
- Logo and three project photos with descriptions
- Links to website and email
- A subscription to the *ASLA Business Quarterly*

www.asla.org/firmfinder

Firm Finder is an exclusive service for ASLA members. For more information or to update your profile call 888-999-ASLA or sign up online.



AMERICAN SOCIETY OF
LANDSCAPE ARCHITECTS

RIGHT

Four decades after opening to employees and visitors, grassy lawns, shown in dark green, continue to provide character—defining long views from the main entry and over the central pond.

IMAGE CREDIT

Courtesy EDSA

one of the first American forays into selling consumer products to the Soviet Union. The Purchase campus was built on an old polo club site as the headquarters for international operations. As an art lover, Kendall began to assemble the sculpture collection during the heyday of modern art when many of its represented artists—Alexander Calder, Claes Oldenburg, George Rickey, and Isamu Noguchi—were active. The collection's 45 works cover much of the canon of modern sculpture. In the early 1980s, the noted garden designer Russell Page (1902–1985) added new woodland pathways offering intimate encounters with sculptures by Barbara Hepworth and Tony Smith. The French designer Francois Goffinet has continued to oversee site maintenance, which includes the extensive pollarding of trees around sculptures and walks.

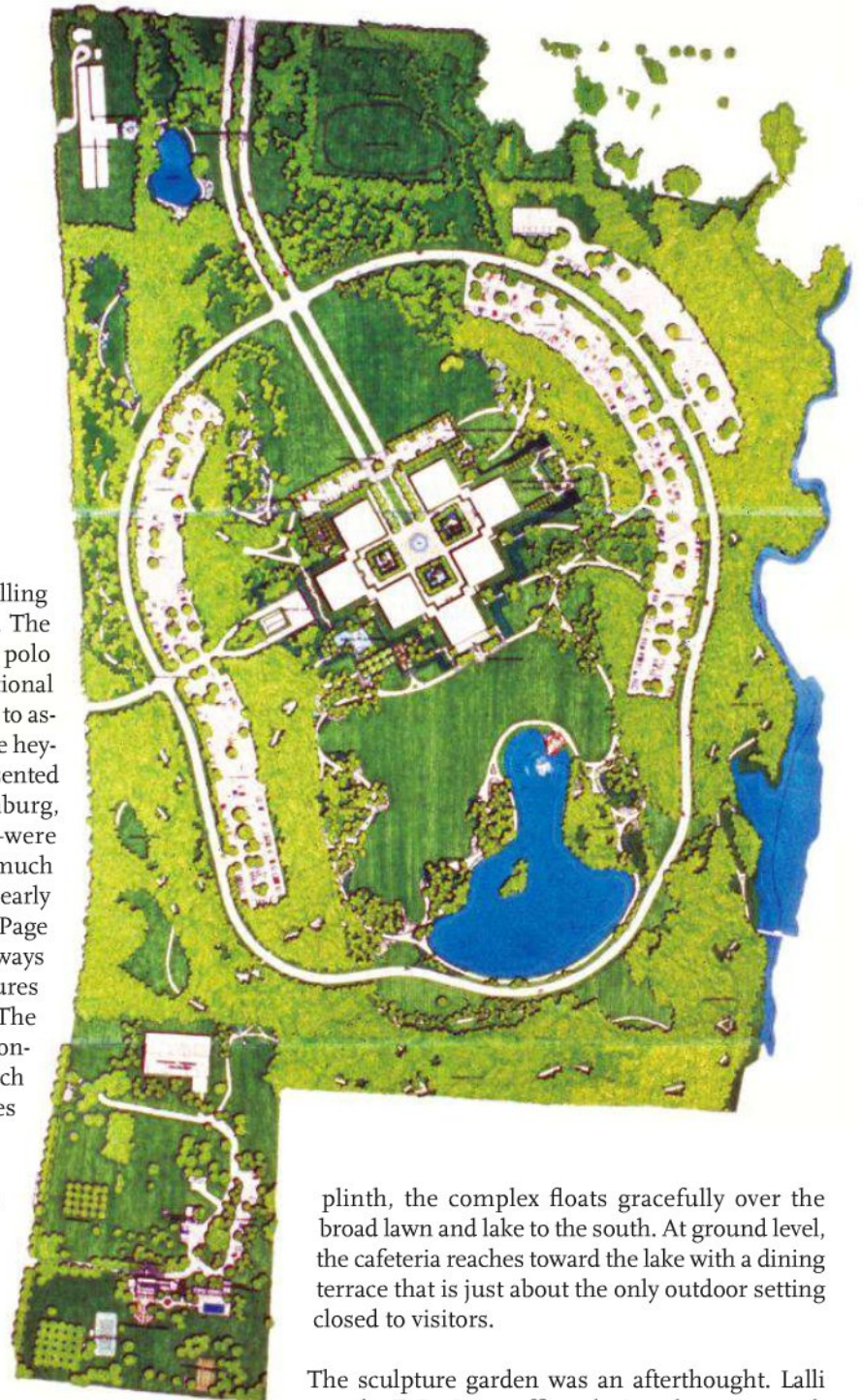
Today, E. D. Stone's legacy continues in the work of his firm, EDSA. Joseph Lalli, FASLA, joined EDSA in 1968 and is now the firm's CEO. Lalli is likely the only person who remembers working directly with Stone and Kendall on the project. "Don Kendall was a person who was very interested in the development of the site," Lalli recalls of his visits during the construction of the main campus. "I would go there once a month, usually for three days. And he would always tell me, 'Don't come here and not tell me, because I want to walk around the grounds with you.'"

When the headquarters opened in 1970, the company's seven international divisions fit into seven square buildings laid in a checkerboard pattern. Lalli explains that local regulations limited building heights to three stories—a constraint that led to the artful berming of small courtyards to frame additional basement walkout levels. Set on a visual

plinth, the complex floats gracefully over the broad lawn and lake to the south. At ground level, the cafeteria reaches toward the lake with a dining terrace that is just about the only outdoor setting closed to visitors.

The sculpture garden was an afterthought. Lalli says the E. D. Stone office "designed concrete pedestals in the courtyards with metal grates that were lights. We used them to uplight the trees." Kendall admired the lighting and began "to think about sculptures and leased some to place there." From these small-scale experiments at the entry, the collection would grow across the site; E. D. Stone's office helped to situate many pieces.

IN 2009, PEPSICO'S LANDSCAPE won a 25-year Landmark Award given jointly by ASLA and the National Trust for Historic Preservation. Although Kendall built the sculpture collection and grounds to be open to the public—quite innovative for a suburban corporate headquarters in the early 1970s—few landscape architects have heard of it, let alone visited. One reason is that PepsiCo seems ambivalent about promoting the public nature of Kendall's



Strength | Beauty | Flexibility

...in perfect balance



Grasspave²



Grasspave² porous paving for parking, fire lanes, access roads & more

Strength - 823,824 pounds per square foot (5721 psi)

Beauty - 100% grass coverage for green space AND paving

Flexibility - Large, flexible rolls for easy installation

invisiblestructures.com | 800-233-1510



THE GARDEN ATTRACTS PUBLIC USE INCLUDING WEDDING PARTIES TAKING PHOTOGRAPHS, BUT ACTIVE SPORTS AND LYING ON THE GRASS AREN'T ALLOWED.

ABOVE

The employee dining terrace, shown on the left, is the only outdoor area closed to visitors.

IMAGE CREDIT

Courtesy EDSA

legacy. In writing this article, I tried calling their various media relations units several times with no success. Area residents know about the grounds through word of mouth, but there is no sign at the campus entry that invites the public in. Yet visiting is quite simple once you know the routine.

After leaving Interstate 95 going north toward Connecticut, you drive on wooded roads lined by large gated estates. Stone walls from earlier farm fields run through the woods and along the roads. A small stone sign marks PepsiCo's campus with the name set in black lettering. A drive divided by a phalanx of trees leads to a low-slung modernist guard booth. A guard soon appears and hands you a small green site plan with directions to visitor parking.

PepsiCo's master plan is a legible, elegant, and symmetrical design. At the center of the circular form and directly ahead of the guard booth lies the headquarters with its buildings laid in squares around

square courts. For PepsiCo's employees, nature and its four seasons are part of daily life. Stone's office sited parking for 1,500 cars in curving arcs along the site's east and west edges,

often 1,000 feet away from building entries. Lalli remembers that, as the site's scale became apparent during construction, "a lot of people told us that the parking was too far and people wouldn't want to walk the distance. We said we thought they would because it was like a park." Time has proven the designers right. The growth of hardwood stands and the placement of new sculptures along connecting paths make the walk to work a daily pleasure.

From the guest parking, one walks along the garden's edge to reach the visitor center where an enthusiastic "visitor assistant" hands out brochures, virtually the only information on the garden that PepsiCo shares with the public. Bright and perfectly groomed, the gardens are as crisp and idealized as a photographer's studio backdrop. During my visit, there were three wedding parties on site, flocking together in coordinated tones along the lake and by the picnic grounds for photos. I heard at the visitor center that recently there had been 16 wedding groups in one day. But matrimonial fun is restricted to photo opportunities. On the back of the map to visitor parking, everyone is introduced to a set of written rules that prohibit active sports (Frisbee included), music, lying on the grass, and picnics outside designated areas.



BETWEEN LANDSCAPE + ARCHITECTURE

Tournesol
SITEWORKS

Planters & Site Furnishings Living Walls Container Irrigation

Our innovations in landscape creation on buildings make you look good. Learn more about our complete solutions for the urban environment at tournesolsiteworks.com, or call 800.542.2282 for a 100-page catalog.

CIRCLE 161 [HTTP://INFO.HOTIMS.COM/34632-161](http://INFO.HOTIMS.COM/34632-161)



ISIS[®]

Stick it where you want it!

The new Isis[®] Outdoor Series provides cooling breezes over large areas, deters pesky insects and is completely impervious to the wet outdoors*. So if you're designing an outdoor space, call us today and learn how you can stick a Big Ass Fan where you want it.

Visit www.BigAssFans.com or call 877-BIG FANS to learn more.

* UL listed for use in wet locations.



Isis-on-a-Stick ▶



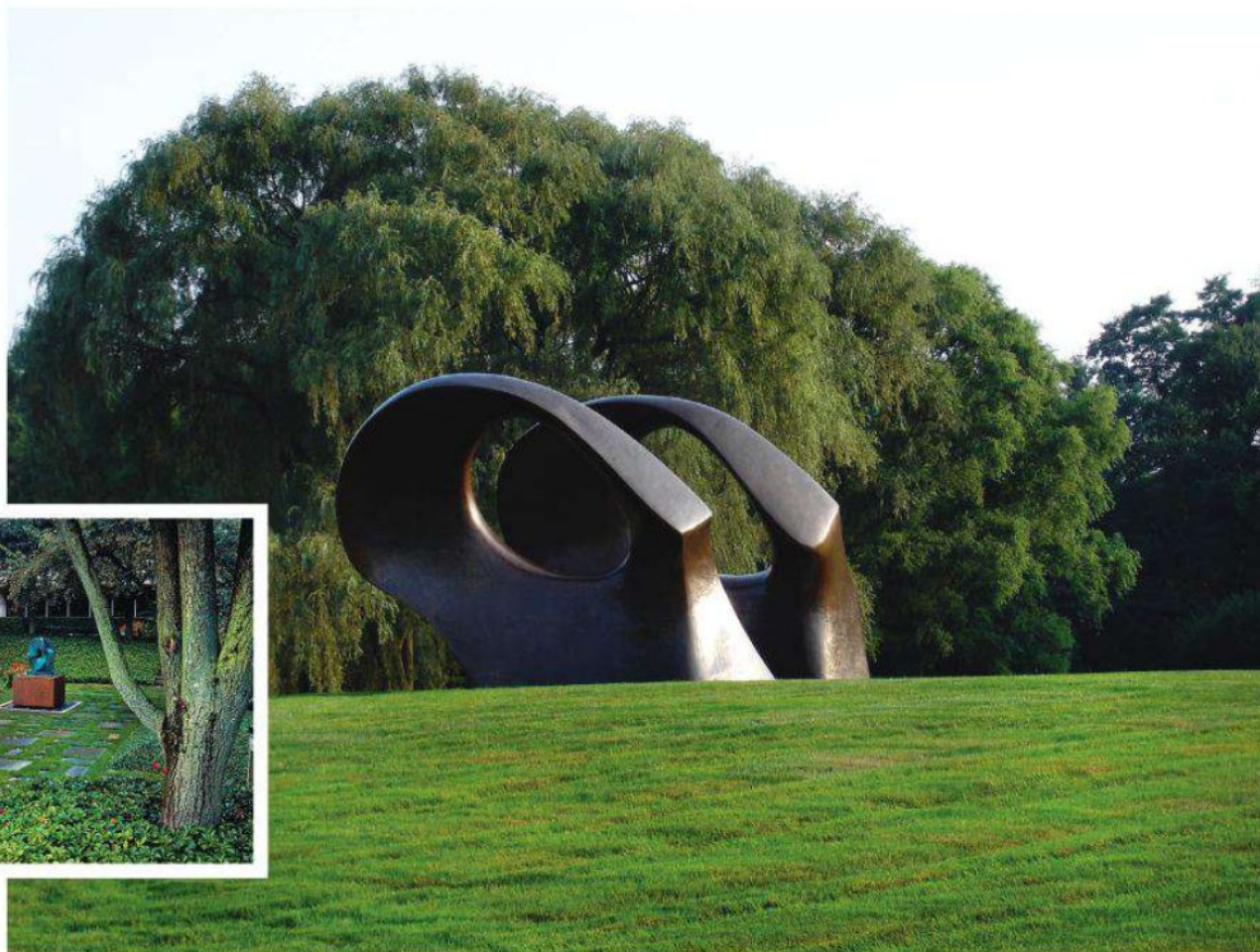
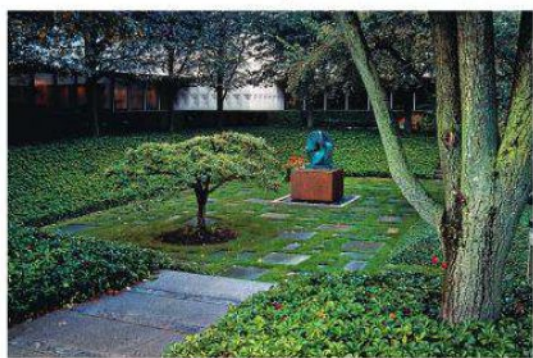
Ask how Big Ass Fans contribute to LEED[®] credits in:
Optimized Energy Performance; Enhanced Refrigerant Management;
Minimum Indoor Air Quality Performance; Increased Ventilation;
Thermal Comfort – Design; Innovation in Design

May be covered by one or more of the following U.S. Patents:
6,244,821; 6,589,016; 6,817,835; 6,939,108; 7,252,478; 7,284,960;
D587,799; D607,988 and other patents pending. ©2011 Delta T
Corporation dba the Big Ass Fan Company. All rights reserved.



BIG ASS FANS[®]
No Equal.

CIRCLE 446 [HTTP://INFO.HOTIMS.COM/34632-446](http://INFO.HOTIMS.COM/34632-446)



ABOVE RIGHT

Henry Moore's *Double Oval* is sited near the lake and the path that encircles it.

INSET

The three sunken forecourts offer peaceful and intimate encounters with small-scale sculptures.

IMAGE CREDITS

Courtesy EDSA

When one of the wedding families showed up by the visitor center, I saw that their boisterousness had attracted a guard in a small white SUV. He told them to be quieter. He also sent the family's young son scowling to the bins by the Pepsi machine to dispose of his Coke can. The regulations allow for and encourage "enjoying PepsiCo's family of products, which make these gardens possible," but only in designated areas. Coke products are not very welcome anywhere.

As I walked with the wedding party and photographers along the immaculately groomed lakeshore, the garden seemed surreal and heavenly in the white haze of August sunlight. The grass seemed almost too green, the water too blue (it was aqua in fact, probably a chemical treatment to suppress eutrophication), and everyone walked in slow motion. And then it occurred to me that the sculpture grounds resembled a perfect Hollywood version of a cemetery. In fact it reminded me of Los Angeles's Forest Lawn Cemetery, a frequent movie location and the inspiration for Evelyn Waugh's novel, *The Loved One*.

As I continued on around the lake, I met a middle-aged couple carrying folding lawn chairs. They

lived nearby and said people in the area often used the PepsiCo grounds as a weekend park. As regulars, they knew not to sit on the grass, but rather to bring their own furniture. In yet another cemetery tie-in, their regular visits reminded me of 19th-century urbanites who picnicked in pastoral cemeteries before the later invention of big city parks.

After about 45 minutes, I began to think that this was one of the most well-maintained and strangest places that I'd ever visited. It was also wonderfully peaceful. The story of the place began to seem not so much about the sculpture collections and landscape architecture as the entire campus's unusual niche as a semipublic art park in affluent New York City suburbia.

THE HEADQUARTERS' SEVEN LOW WHITE BUILDINGS, resembling what the glossy brochure calls "inverted ziggurats," angle outward in their checkerboard pattern, contrasting crisply against the surrounding manicured lawns. When you visit, you can walk directly into the arrival court flanked by three sunken courtyards where there are smaller sculptures by Henry Moore, Henri Laurens, and Jacques Lipchitz. Shaded and calmed by the sound of fountain water, their banks sink into the ground as reverse ziggurats elegantly mirroring the outward reach of the buildings. Blanketed with pachysandra and other ground covers, they are among the quietest and most serene spaces in the entire campus—and also the most urbane. At the center of



Register Now!

2011 ULI Real Estate Summit at the Spring Council Forum Adapting for the Future

MAY 18–20, 2010 • PHOENIX, AZ

- ▶ Meet prospective clients from every sector of the real estate industry.
- ▶ Find out how your clients are adapting to the future and how you can offer them added value.

For more information and to register:

www.ulispring.org



SUSTAINABLE UPDATES WOULD NOT LIKELY HARM THE CHARACTER OF THIS DESIGNED LANDSCAPE.

the cruciform courts, David Wynne's patina blue-green sculpture, *Girl with a Dolphin*, rises up over a circular basin and water jets.

You can see into executive offices lining these spaces and admire small personal collections of historic Pepsi bottles set on window ledges. On the office walls are color-coded maps and other mysterious postings. It's really quite unusual that a major company in such a competitive field would allow public entry to such an inner sanctum—and PepsiCo should be praised for it. It's easy to mock the visitor rules, but there are few corporate campuses where one can have this kind of close-up experience. On a par with New York City's Paley Park and the original Dan Kiley landscapes at Lincoln Center, the sunken volumes in these courtyards are some of the finest modern landscapes on the East Coast.

GIVEN PEPSICO'S UNUSUAL AND, perhaps, reluctant mandate to remain a privately owned space that is open to the public, chances are that the company will retain control over long-term preservation decisions. Yet, thanks to the 25-year Landmark Award, the gardens' historic importance has now been recognized by outside professionals. In the long term, PepsiCo's leaders and their design consultants should consider what landscape preservationists call the site's "character-defining features"—its designed spatial patterns, topography, vegetation, site objects, and water. This is also a place that makes a social statement about private property and public access from an earlier time. PepsiCo's historic character lies not just in design elements but also in the social access and pleasure that Kendall planned from the outset.

In historic landscape preservation, it's tempting to focus only on design intent and enduring physical qualities while overlooking the original social context and users for whom a place was made. From the stories I heard while visiting, Donald Kendall had



a sense of humor about the visitor rules. When the gardens first opened, one of the guards alerted him with the ominous news that a large group of visitors was at the picnic grounds and they were drinking Coke products. Unfazed, Kendall is said to have answered with the suggestion: "Well, go say hello and give them some Pepsi products!"

In this, he showed a kind of enlightened awareness of competitors and a desire to reach out to the public, even when they broke the rules. Unlike historic architecture, designed landscapes are alive with ecology and destined to grow and change. Since Kendall's original vision, PepsiCo has grown into a more international company with products such as SoBe Lifewater and Quaker Fruit & Oatmeal Bars increasingly geared to health-conscious consumers. Yet, despite the later contributions of Page and Goffinet, the gardens have remained relatively static. A possible expansion of the original Edward Stone buildings is now in discussion; originally, the idea was that more pods could easily be added in to the checkerboard. If the building were to change, it would make sense to reexamine the whole site in light of what we know today about integrated stormwater management, green roofs, and the potential integration of riparian edges for biofiltration along the pond.

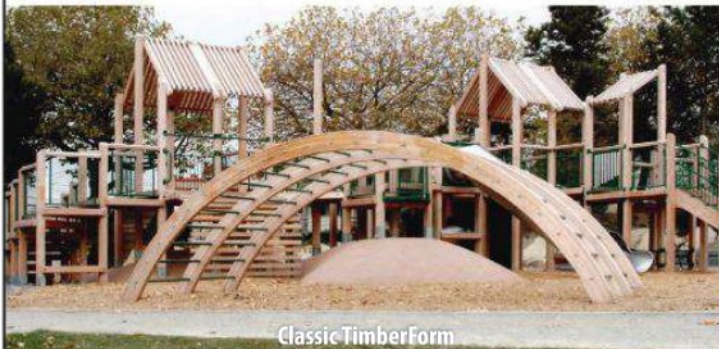
These kinds of sustainable updates would not likely harm the things that define the character of this designed landscape. The sweep of space across the central pond is so strong and

ABOVE
Set near the entry drive, David Wynne's sculpture *The Dancers* stands out in the snow.

IMAGE CREDIT
Courtesy EDSA



visit www.timberform.com



Classic TimberForm



Elegant PipeLine



100% Recycled RePlay Structures



TimberForm® PipeLine® RePlay® InterPlay® Themed Play Separates



Contemporary InterPlay



Farm Themes & Many More



Embankment Slide Chutes



Accessible Spring Riders



Or request a new catalog, Columbia Cascade Company, 1-800/547-1940 or asla@timberform.com

CIRCLE 52 [HTTP://INFO.HOTIMS.COM/34632-52](http://INFO.HOTIMS.COM/34632-52)

stabilizer
THE ORIGINAL NATURAL BINDER

We put the Stabilizer® in Stabilized DG

**Specify Stabilizer® by name in your next
Stabilized DG or Crushed Stone project.
The original natural binder trusted the most
on natural pathways around the world.**



Advancing the Evolution of Soil

28 Years Over 100,000 Projects 36 Countries www.StabilizerSolutions.com 800.336.2468

©2010 Stabilizer Solutions, Inc. All Rights Reserved

CIRCLE 195 [HTTP://INFO.HOTIMS.COM/34632-195](http://INFO.HOTIMS.COM/34632-195)



ABOVE RIGHT

Anchoring the main building, Arnaldo Pomodoro's immense sculpture *Triad* is visible from much of the lake area.

IMAGE CREDIT

Courtesy EDSA

the original vegetation so mature that less mowing and more species diversity could complement the original design intent. Native restorations and discreet bioswales could add a ground-level texture whose contrast would make the perfect lawns seem even smoother.

I asked Lalli how his office would approach the PepsiCo project today. He said that in 1970, none of today's common technologies of irrigation and stormwater management was available. Almost certainly Kendall, forward-looking as he was, would push for state-of-the-art sustainable practices. "Don Kendall used to tell me that 'I want this to be the equivalent of our full-page ad in *Time* magazine....'" Lalli says. Kendall wanted the gardens to express the progressive nature of the company.

Thus, although PepsiCo keeps the gardens quiet, the company could use them to demonstrate sensitivity to ecological processes, seasonal change, and the movement of water. Why maintain the water garden, tree stands, and pond as if they were as unchanging as the sculptures displayed? Emerging historic rehabilitation approaches to balancing design character and sustainable updates are also relevant

for other modern-era sculpture gardens such as Storm King in Mountainville, New York, the Minneapolis Sculpture Garden focused on a manicured pond of its own, and corporate campuses rich with art such as SOM's bucolic Connecticut General Life, recently listed on the National Register of Historic Places.

Despite its overall artifice of exotic plants and piped water, the real innovation of PepsiCo has always been its public access. The gardens are a time capsule of both the best and most troubling aspects of the 1970s. Their very location reflects a fear of urban life and the desire to build a corporate enclave with convenient access from executive suburbia. But Kendall's invitation to the public expressed the era's best hopes for the edification of public art and for public access to arts education as typified by Purchase College designed by Edward Larrabee Barnes just across the street. Forty years on, PepsiCo's landscape offers a new chance to apply sensitive preservation design to the environmental promises and challenges of our time and to consider the meaning of public access in an increasingly diverse country. ●

FRANK EDGERTON MARTIN IS A LANDSCAPE HISTORIAN AND LONG-TIME *LAM* CONTRIBUTOR. HE HAS COVERED NUMEROUS SCULPTURE GARDENS FOR THE MAGAZINE.



LANDSCAPE ARCHITECTURE FOUNDATION

LAF is grateful to the many individuals, firms and companies who provide generous gifts every year to our Annual Fund and strategic programs. The generosity of these leadership donors provides the core financial support for fulfilling LAF's mission to preserve, improve and enhance the environment.

LEADERSHIP CIRCLE

BENEFACTOR (\$20,000 - \$49,999)

Landscape Forms, Inc
HNTB

ADVOCATE (\$5,000 - \$9,999)

Aquatic Design & Engineering
Chip Crawford
Thomas C. Donnelly
EDSA
Kathleen Garcia

PARTNER (\$2,500 - \$4,999)

AHBE Landscape Architects
Kinder Baumgardner
BK Lighting
The Brickman Group, Ltd.
James Burnett
James Corner Field Operations

ASSOCIATE (\$1,000 - \$2,499)

Dennis Carmichael
Jerry Cunningham
Barbara Deutsch
Terrence DeWan
Charles Flink II
Barbara Faga
Graham Landscape Architecture

PATRON (\$10,000 - \$19,999)

HOK
Ironsmith

Debra Guenther
Landscape Structures
L. M. Scofield Company
Bill Main
OLIN

Mark Dawson
Delta Fountains
Environmental Design
Hunter Industries Incorporated
Nattak Investments
Patrick Phillips

Gustafson Guthrie Nichol Ltd
Douglas Hoerr
Iron Age Designs
Dennis McGlade
Meisner + Associates Land Vision
M.E. O'Brien & Sons, Inc.
Mia Lehrner + Associates

ONA, Inc
Peridian International, Inc.
Lucinda Reed Sanders
SWA
The Toro Company
WRT

Rain Bird Corporation
Ruppert Landscape, Inc
Sasaki Associates
Ken Smith
Glenn Walters
Wenk Associates, Inc
William Wenk

Debra Mitchell
Forster O. Ndubisi
Cornelia Oberlander
Scott Sebastian
Sitecraft
Thomas Succop
Mary Thoeke

OLMSTED SCHOLARS PROGRAM

FOUNDING SPONSORS

EDSA
HOK
Edith Harrison Henderson Fund
Harriet Barnhardt Wimmer Fund |
Wimmer Yamada and Caughey

ANNUAL SPONSORS

Steven G. King, FASLA

LANDSCAPE PERFORMANCE SERIES

FOUNDING PARTNER

JJR | Roy Fund

ANNUAL SPONSORS

AECOM
The CLASS Fund/Ralph Hudson
Environmental Fellowship
AILA/Yamagami/Hope Fellowship

SPECIAL COMMITMENT

American Society of Landscape
Architects

RESEARCH DESIGN CONNECTIONS

BY SALLY AUGUSTIN AND JEAN MARIE CACKOWSKI-CAMPBELL, ASLA

THE VIEW FROM SCHOOL WINDOWS



LANDSCAPE ARCHITECTURE MAGAZINE, in partnership with the web-based newsletter and daily blog *Research Design Connections*, uses this column to report current research of interest to landscape architects from a wide array of disciplines. We welcome your comments, suggestions about future topics, and studies you have encountered in your own practice.

ABOVE

Students who see trees and shrubs out their school's windows have higher standardized test scores.

IMAGE CREDIT

© Sigrid Olsson/
PhotoAlto/Corbis

Rodney Matsuoka, Associate ASLA, a professor in the School of Natural Resources and Environment at the University of Michigan, has investigated the relationship between the academic performance of high school students and the views out of their school windows. His findings are consistent with attention restoration theory, developed by his University of Michigan colleagues Stephen and Rachel Kaplan, as well as psycho-evolutionary theory.

Attention restoration theory suggests that contact with nature, through either immersion or viewing, restores depleted mental energy, enhancing the ability to focus. Depleted mental energy is associated with irritability, impulsiveness, and stress, as well as impaired ability to concentrate. Roger Ulrich, Honorary ASLA, and others have proposed psycho-evolutionary theory to explain the positive effects of being in nature. This second theory posits that natural settings are calming.

Matsuoka cites previous research with children and teenagers that associated nature exposure with higher test scores, better attention levels for children with attention-deficit hyperactivity disorder, enhanced cognitive performance, and greater self-discipline. This study by Matsuoka is distinctive because of its focus on high school students and its investigation of the influence of particular features of the campus landscape on those students.

Views from cafeteria and classroom windows were assessed. Those with greater numbers of trees and shrubs were distinguished from views of landscapes with few natural features and large expanses of lawns, athletic fields, or parking lots.

When views from cafeteria and classroom windows were more likely to be of trees and shrubs, students had higher standardized test scores, graduation rates, and intentions to attend

four-year colleges, as well as lower levels of criminal behavior. Views that were primarily of the scenes low on natural features were negatively related to test scores and college plans.

Statistical tests removed student socioeconomic status, racial/ethnic makeup, school building age, and number of students enrolled at the school as potential explanations for the effects observed.

The researchers conclude that “The often overlooked outdoor physical environment of schools can perhaps have as much influence on student performance as the more intensely examined indoor features. The campus landscape should not be considered just as an aesthetic amenity, but as important as the school buildings themselves.” ●

“STUDENT PERFORMANCE AND HIGH SCHOOL LANDSCAPES: EXAMINING LINKS,” BY RODNEY MATSUOKA; *LANDSCAPE AND URBAN PLANNING*, VOL. 97, 2010.

IT'S TIME FOR INNOVA- TION

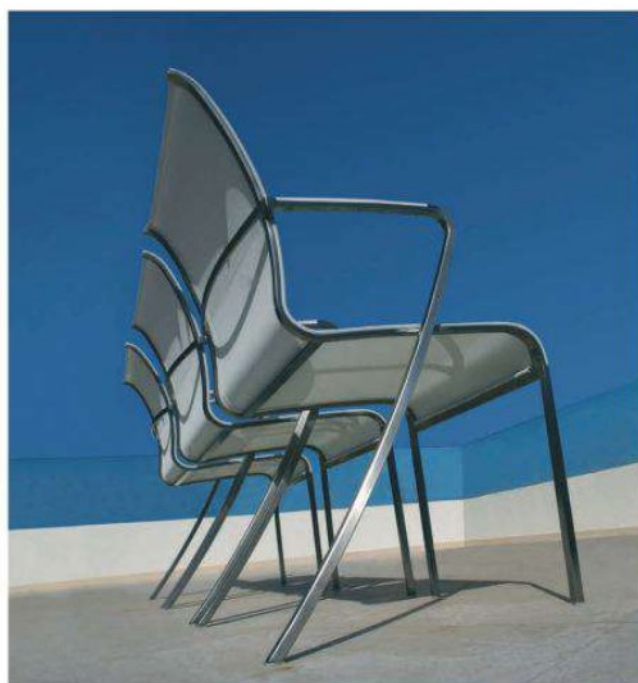
YES, WE CHOOSE SPANISH CERAMIC

*Yes, we choose Spanish ceramic tiles because of the industry's boundless creativity and ability to innovate. In an increasingly competitive marketplace the Spanish ceramic tile industry's distinguishing features are the modern designs, the constant technological innovation and the industry's commitment to the environment.
Tile of Spain, a quality product that brings you new trends, applications and architectural uses to create spaces with a more human dimension. Why don't you go for Spanish tiles too?*

Tile of Spain - Trade Commission of Spain Voice: 305 446 4387 F.: 305 446 2602 miami@mcx.es www.spaintiles.info



CIRCLE 386 [HTTP://INFO.HOTIMS.COM/34632-386](http://info.hotims.com/34632-386)



USA@royalbotania.net
394 Broadway
New York, NY 10013
1-212.812.9852
www.royalbotania.com



CIRCLE 73 [HTTP://INFO.HOTIMS.COM/34632-73](http://info.hotims.com/34632-73)

MINIMIZING FOREST ENCROACHMENT

Nearby nature can take a beating as surrounding areas are developed. Wendy McWilliam of McWilliam Environmental Planning and Design and her colleagues at the University of Waterloo, Paul Eagles and Mark Seasons, and Robert Brown at the University of Guelph, have investigated ways to safeguard nature in these circumstances. This protection is important because “[n]atural systems play important ecological, social, and economic functions within suburban environments, such as wildlife habitat, community recreation, and stormwater management.”

poisonous vegetation, steep slopes, or poorly drained soils.” Backyards abutted the forested areas. Gross housing density was between five and 19 houses per hectare (includes both residential and nonresidential areas of land use). Houses had been lived in for at least three years.

Passive management techniques were investigated. Forests were bordered by municipal fences; municipal boundary demarcation posts; no boundary treatments; municipal grass strips and paths; resident fences; resident fences

The most common encroachment was waste disposal.

The data indicated that forested buffers at least 50 meters wide are needed to protect natural forest systems. McWilliam and colleagues determined that “boundaries between residences and natural systems should be carefully designed to control physical access, clearly delineate private from public land uses, and where appropriate, encourage community monitoring of the housing/forest interface.... Boundary treatments, such as fences or grass strips, that reduce resident access to the forest edge, and clearly distinguish areas for public, rather than private, land use, reduce the extent of encroachment. They function to concentrate the spatial extent of encroachment impacts closer to forest borders.... Implementing more than one restrictive element (e.g., fence and grass strip) did not lead to significantly lower extents of encroachment than implementing one of these elements (e.g., a fence). In addition, significant extents of encroachment continued to occur under all boundary treatments, even the most complex sampled, such as fence, grass strip, and path.” ●

"THE HOUSING-FOREST INTERFACE: TESTING STRUCTURAL APPROACHES FOR PROTECTING SUB-URBAN NATURAL SYSTEMS FOLLOWING DEVELOPMENT," BY WENDY MCWILLIAM, PAUL EAGLES, MARK SEASONS, AND ROBERT BROWN; *URBAN FORESTRY AND URBAN GREENING*, VOL. 9, 2010.

FENCES OR GRASS STRIPS CAN REDUCE RESIDENT ACCESS TO THE FOREST EDGE AND CLEARLY DISTINGUISH PUBLIC AREAS FROM PRIVATE AREAS.

The researchers focused on “spatial extent of disturbance,” which they define as “how far adjacent land-use impacts extend into the forest edge.” The interplay between 350 residences in Southern Ontario and their neighboring forests was studied.

The forests involved were mainly remnants of upland deciduous eastern forests with some areas being lowland eastern deciduous forests or mixed deciduous/coniferous upland eastern forest fragments. The forested areas involved were between one and 50 hectares in size and were not crossed by roads. Borders studied “were without significant natural filters to human entry (such as dense, prickly, or

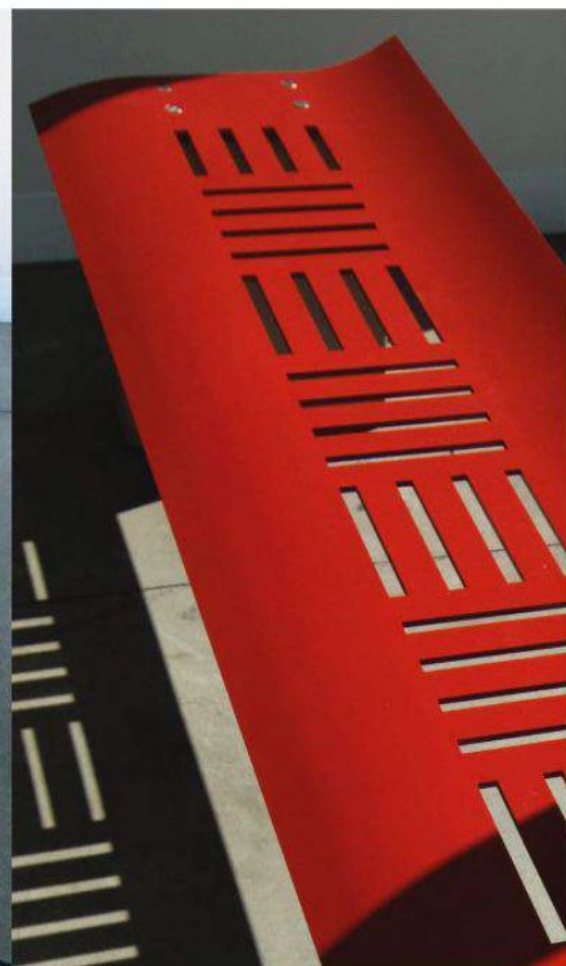
and municipal grass strips; resident fences with gates; resident fences with gates and municipal grass strips; and resident fences with gates, municipal grass strips, and paths. At all sites sampled with grass strips, the grass was mowed. The strips were established by municipalities for recreational purposes or utility corridors. On average, these strips were 20 meters wide, and none was wider than 50 meters.

Encroachment was found in 95 percent of the sites. The mean extent of encroachment was 16 meters. The greatest encroachment penetrated 49 meters into the forest. Ninety-five percent of encroachment occurred in the first 34 meters from the forest edge.

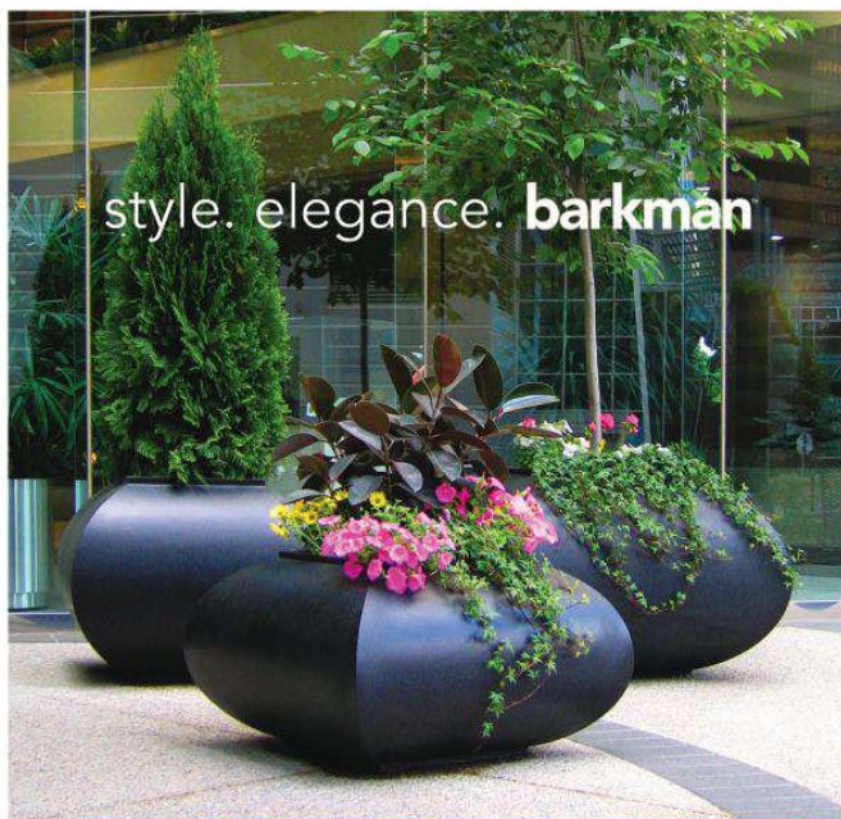


**A CONTEMPORARY
COLLECTION of
CONCRETE & METAL
SITE FURNISHINGS**

WWW.WAUSAUSELECT.COM



CIRCLE 310 [HTTP://INFO.HOTIMS.COM/34632-310](http://info.hotims.com/34632-310)



style. elegance. **barkman**

glass fiber reinforced concrete | classic precast concrete

for more details, call 1 800 342 2879
or visit barkmansitefurnishings.com

barkman

CIRCLE 450 [HTTP://INFO.HOTIMS.COM/34632-450](http://info.hotims.com/34632-450)



Blend in beautifully.

Beautiful exterior designs begin with Bufftech® vinyl fence. Bufftech offers authentic woodgrain textures and multi-chromatic color blends that make it easy to create an outdoor space that won't compete with the natural surroundings.

Don't let your fence spoil the landscape. Blend in beautifully with Bufftech.

Bufftech

800-233-8990 • certainteed.com
<http://blog.certainteed.com>

CertainTeed
SAINT-GOBAIN

ROOFING • SIDING • TRIM • WINDOWS • DECKING • RAILING • FENCE
INSULATION • GYPSUM • CEILINGS • FOUNDATIONS • PIPE

CIRCLE 314 [HTTP://INFO.HOTIMS.COM/34632-314](http://info.hotims.com/34632-314)

COOL ISLAND INTENSITY



COMPACTLY SHAPED PARKS ARE MORE EFFECTIVE AT COOLING SURROUNDING AIR TEMPERATURE.

Information from 92 parks in Nagoya, Japan, was studied to determine how park characteristics influence development of a park cool island (PCI), which is described as a reduction of temperatures within a park of 1 to 2 degrees Celsius, owing to the evapotranspiration of a park's vegetation by day as well as vegetation's nonretention of heat overnight. Xin Cao of Beijing Normal University and Nagoya University, and colleagues Akio Onishi, Jin Chen, and Hidefumi Imura, all of Nagoya University, except Chen, who is affiliated with Beijing Normal University, used several sets of satellite data to better understand how PCIs are formed. Land surface temperature information was obtained through the

ASTER satellite system, and IKONOS supplied land-use data.

A number of park factors, from size to ground cover type to shape, were found to play a role in encouraging the PCI effect. This team's results are consistent with previous research indicating larger parks have a greater cooling influence. Also consistent with previous research were findings that trees and shrubs have an important influence on the magnitude of the cooling effect. Unlike previous studies, this research indicated that water did not contribute to cooling and that amounts of grass were inversely related to PCI development. The grass cover at the study sites was generally in poor condition, however. Similarly,

the water areas in the parks were generally small. Compactly shaped parks (no extending "arms" or "legs" or irregular shapes, for example) more effectively cool surrounding air temperature.

Season matters: "Trees, shrubs, and compactness of park benefit the PCI development in spring and summer, while grass and soil may decrease PCI in spring. No significant factors were found to explain PCI in autumn." ●

"QUANTIFYING THE COOL ISLAND INTENSITY OF URBAN PARKS USING ASTER AND IKONOS DATA," BY XIN CAO, AKIO ONISHI, JIN CHEN, AND HIDEFUMI IMURA; *LANDSCAPE AND URBAN PLANNING*, VOL. 96, 2010.

SALLY AUGUSTIN, *RDC*'S SENIOR EDITOR, IS AN ENVIRONMENTAL PSYCHOLOGIST. JEAN MARIE CACKOWSKI-CAMPBELL, ASLA, IS THE PUBLISHER OF *RDC* AND HAS AN MLA DEGREE FROM THE OHIO STATE UNIVERSITY.

ABOVE

Besides providing green space, like this patch of green in Athens, Greece, parks in cities can act as cool islands.

IMAGE CREDIT

© Angelo Cavalli/Corbis

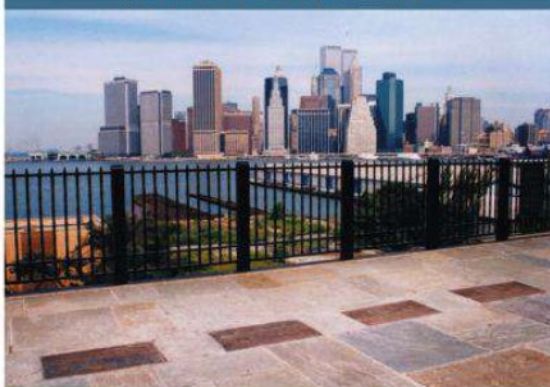
METAL PLAQUES



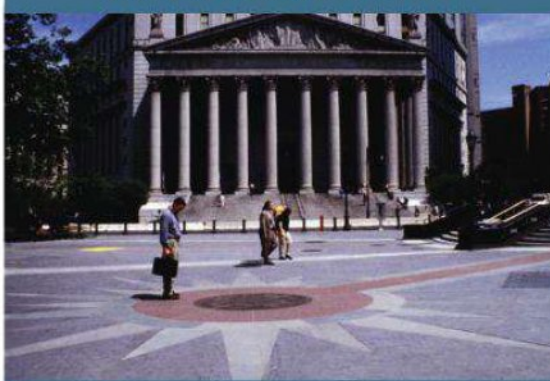
LITERARY WALKS



HISTORIC TIMELINES



INTERPRETIVE INSETS



Andrews/LeFevre Studios

Interpretive Bronze Plaques

www.andrewslefevre.com

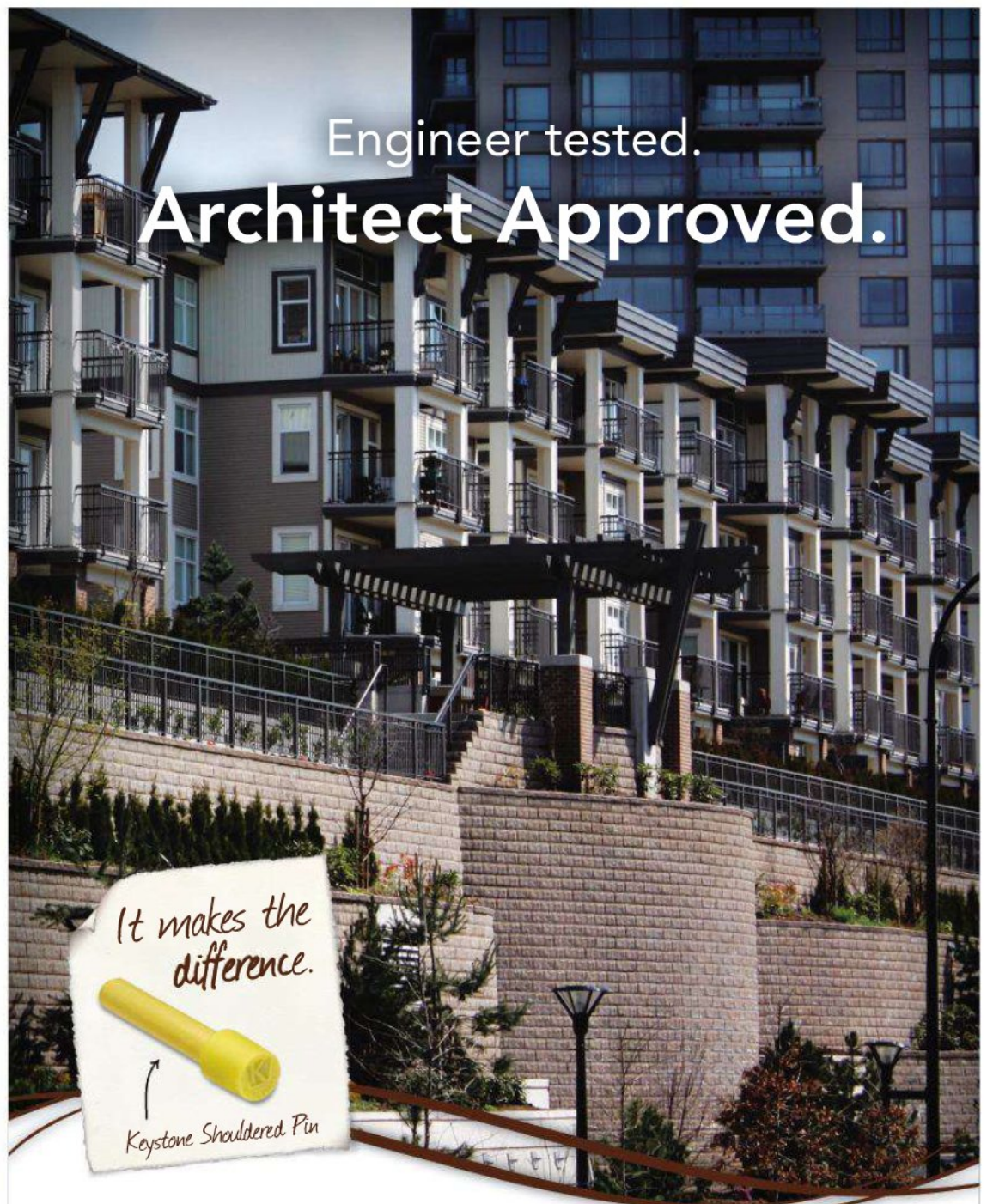
call for catalog 212 677-1445

info@lefevrestudios.com

CIRCLE 451 [HTTP://INFO.HOTIMS.COM/34632-451](http://info.hotims.com/34632-451)

Engineer tested.

Architect Approved.



More than meets the eye.

It's true. It's not just breathtaking natural beauty and elegance that make a Keystone wall remarkable. It's what you don't see that makes a big difference. Our pin connection system gives your walls an edge when it comes to design versatility and strength. With Keystone, you can be certain that your design is engineered to last a lifetime.



To view Keystone's complete line of innovative products and project ideas, visit us online at www.keystonewalls.com or call 1-800-747-8971.

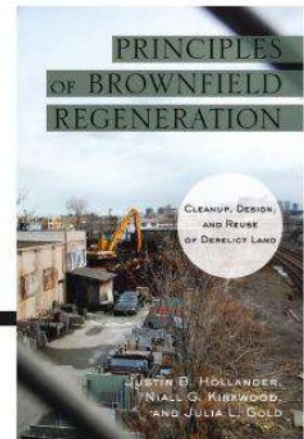
Keystone is proud to be a subsidiary of CONTECH Construction Products Inc.

CIRCLE 115 [HTTP://INFO.HOTIMS.COM/34632-115](http://info.hotims.com/34632-115)

PRINCIPLES OF BROWNFIELD REGENERATION: CLEANUP, DESIGN, AND REUSE OF DERELICT LAND

BY JUSTIN B. HOLLANDER, NIALL G. KIRKWOOD,
FASLA, AND JULIA L. GOLD; WASHINGTON, D.C.:
ISLAND PRESS, 2010; 135 PAGES, \$25.

REVIEWED BY KIM SORVIG



"For a class of properties that are often contaminated, dilapidated, and dangerous," the authors of this concise book remark, "brownfields have been remarkably popular." Recycling of land "has been going on since antiquity, but is new because of the relative magnitude and exotic nature of the pollutants involved today."

Intense interest in brownfields has produced many technical books on remediation. *Principles of Brownfield Regeneration* (its title a nod to John Lyle's regenerative approach) aims to be "a brief, concise, clear primer" to guide professionals, officials, and activists in planning brownfield projects. For the most part, it succeeds very well.

Hollander, Kirkwood, and Gold must have a century of experience between them, with professorships in urban and environmental policy and planning, landscape architecture and technology, and renewable energy and green jobs, respectively. Recognizing that "being an expert can sometimes cloud one's memory of being a

novice," they interviewed people who had recently undertaken a brownfield project for the first time, basing the book's first chapter and its case studies on lessons learned by these newbies. The remaining chapters draw more directly on the authors' expertise, introducing remediation, land-use, and design strategies.

Their list of brownfield types holds some surprises—not all are urban, and some, like graveyards and meth

labs, are not the usual suspects. Restoration opportunities also include some novel ideas—for example, "brightfields," contaminated sites used for wind or solar energy production.

The authors point out that 1990s regulations, demanding environmental responsibility from polluters, sometimes inhibited responsible redevelopment. This in turn pushed development onto greenfields, "a key contributor to greenhouse gas emissions, energy use, pollution, and resource consumption." The book focuses heavily on cost-benefit and cost-reducing strategies (or what they call "risk-based partial remediation and streamlining," or what one might call Republican remediation). Up to a point, this dose

of realism is healthy, given the estimated 1.5 million brownfields worldwide and recession-driven fears of long-term investment.

But brownfields are opportunities, and the book offers help at a project-management level in recognizing potential regeneration sites, forming a team, contacting regulators and community stakeholders, contracting technical studies, applying for permits, and conducting on-the-ground remediation. Several landscape architecture firms are making good livings from brownfields; some are consultants, while others buy and remediate not-too-toxic sites suitable for regeneration via planting and soil treatment. Many more landscape professionals could get involved, but lack the basics to take the plunge. This book provides a real service, an economic opportunity in hard times.

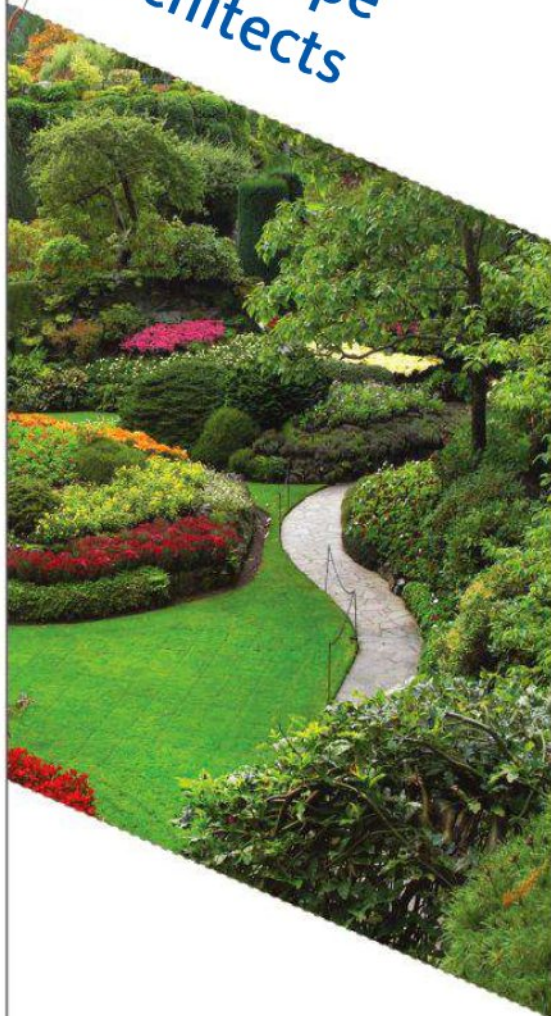
The book's weaknesses don't detract much. Some broad descriptions (for example, monitoring wells as a testing technique) really need more tangible detail to make design considerations meaningful, especially to first-timers. The land-use and site design chapter is very general, perhaps of necessity. The case studies provide good insights, but would have benefited from a bit more storytelling to offset the dryness of summarizing a multiyear project in 10 pages. A few key issues, such as "manufacturing" soil to avoid importing tons of topsoil, just aren't mentioned. Nonetheless, readers will get a good sense of what's involved in brownfield work, and of differences among potential projects and strategies. Even experienced remediators will broaden their sense of the process.

Ultimately, brownfields are a social issue, a matter of vision or its absence. One of the book's case studies, Assunpink Creek in Trenton, New Jersey, was proposed as a greenway in 1906 by none other than Frederick Law Olmsted. Imagine the social, environmental, and economic savings if his vision had been implemented, instead of the remediation the site required nearly a century later. The vision for many restoration and reuse projects (including several of this book's case studies) comes from artists and arts groups, whose contributions to the history of site restoration are often overlooked. Without explicitly saying so, *Principles of Brownfield Regeneration* is an extremely timely condemnation of bottom-line values, lacking creativity or civic conscience, that accept land dereliction as a normal cost of doing business. ♦

KIM SORVIG IS A LANDSCAPE ARCHITECT, DESIGN CRITIC, AND ENVIRONMENTAL AUTHOR WHO RESIDES IN SANTA FE, NEW MEXICO.

**THIS BOOK PROVIDES
A REAL SERVICE,
AN ECONOMIC
OPPORTUNITY
FOR LANDSCAPE
PROFESSIONALS
IN HARD TIMES.**

Professional Liability Insurance for Landscape Architects



Leatzow
Insurance



To learn more visit
www.leadzowinsurance.com
or call 800-978-7100

Leatzow Insurance is a division of Risk Specialist Companies Insurance Agency, Inc. (RSCIA). RSCIA, a Chartis company, is a premier broker of specialty property, casualty, and personal lines insurance. Chartis is the marketing name for the worldwide property-casualty and general insurance operations of Chartis Inc. For additional information, please visit www.chartisinsurance.com. All products are written by insurance company subsidiaries or affiliates of Chartis Inc. Coverage may not be available in all jurisdictions and is subject to actual policy language. Non-insurance products and services may be provided by independent third parties.

CIRCLE 129 [HTTP://INFO.HOTIMS.COM/34632-129](http://INFO.HOTIMS.COM/34632-129)

Begin designing ...Naturally.

Discover BioNova Natural Pools, a new market niche opportunity for Landscape Architects. Ecologically-minded clients will love swimming in a natural pools that is completely free of chemicals. Our patented design, proven in over 20 years of use throughout Europe, uses plants to provide safe, effective biological cleaning.

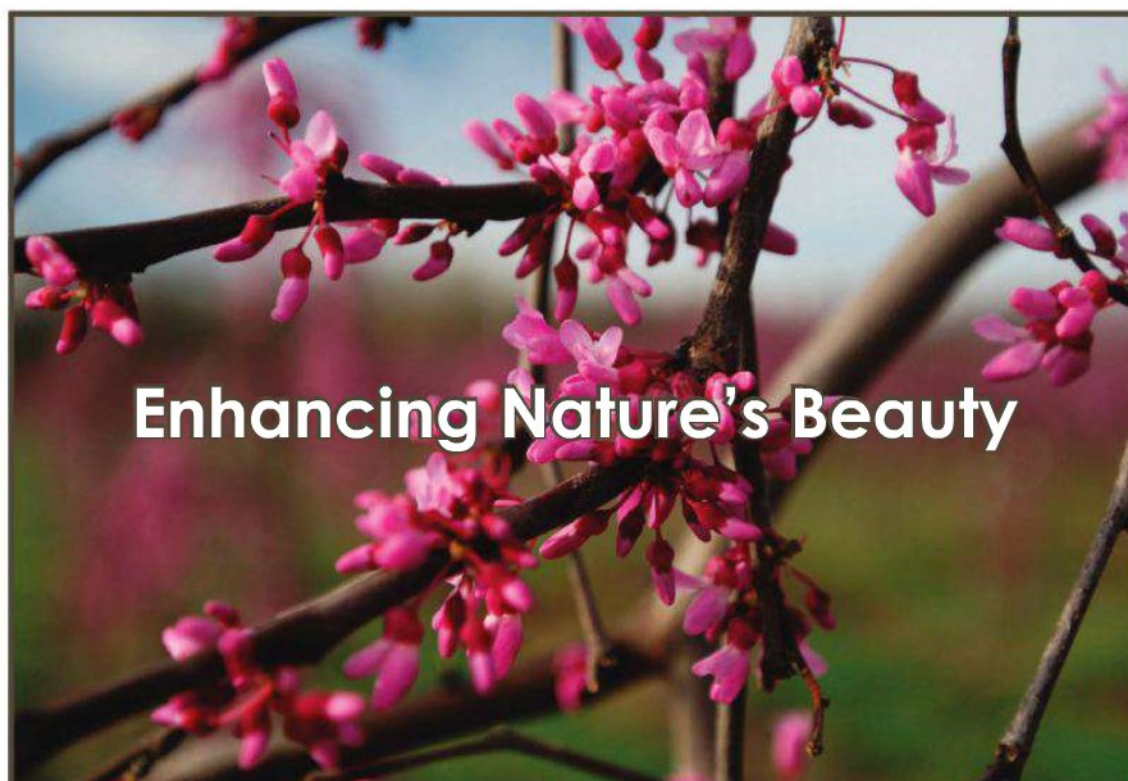
Technical design, consulting, construction and project management services are available throughout North America.

For all the facts, call or reach us by email:
info@bionovanaturalpools.com
507-Bio-Nova (246-6682)



BioNova®
the natural choice

CIRCLE 183 [HTTP://INFO.HOTIMS.COM/34632-183](http://INFO.HOTIMS.COM/34632-183)



Enhancing Nature's Beauty



DEEP FORK TREE FARM

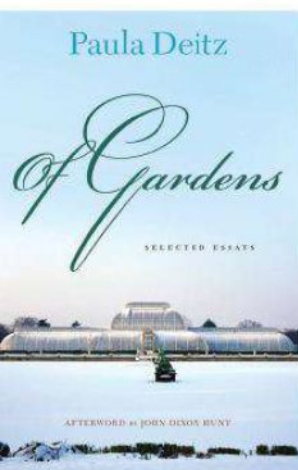
405.233.2000 | www.dftrees.com | Arcadia, OK

CIRCLE 302 [HTTP://INFO.HOTIMS.COM/34632-302](http://INFO.HOTIMS.COM/34632-302)

OF GARDENS:
SELECTED ESSAYS

BY PAULA DEITZ; PHILADELPHIA: UNIVERSITY OF PENNSYLVANIA PRESS, 2010; 384 PAGES, \$29.95.

REVIEWED BY JUDITH B. TANKARD



This is a book for the savvy reader who enjoys an intelligent discussion of gardens without all the glossy eye-candy photographs that pervade most books today. Paula Deitz, the longtime editor of the *Hudson Review*, has been rewarding readers since the early 1980s with her insightful contributions to the *New York Times*, *Gardens Illustrated*, *House & Garden*, and *The Architectural Review* (among others) on art, architecture, and landscape design. *Of Gardens* is a compilation of some of her best essays. As she explains in the introduction, her first conscious awareness of the value and fragility of landscapes was the result of attending a lecture by Ian McHarg, who had just published *Design with Nature*. “This lecture struck a chord in me and eventually became the taproot of this book,” she writes.

There were many formative experiences for her with the work of such seminal figures as Frederick Law Olmsted, André Le Nôtre, and Beatrix Farrand, which form the core of her book. Living in New York City introduced her to the urban pleasures of Olmsted, but it was the summers she spent on the Maine coast that sparked her early interest in Farrand, about whom she has written extensively. This collection includes essays on two seminal Farrand commissions, the Rockefeller Rose Garden at the New York Botanical Garden and the Abby Aldrich Rockefeller Garden in Seal Harbor, Maine. Deitz’s omnivorous search for the meaning and pleasures of gardens has led her beyond the shores of America to Great Britain, France, and Japan, which form the four basic categories she explores in her book. In addition, there are sections on individual landscape architects and designers as well as parks and public places.

Among the individual designers she selects are Dan Kiley; Deborah Nevins, Affiliate ASLA; Michael Van Valkenburgh, FASLA; Barbara Stauffacher Solomon; Martha Schwartz, ASLA; George Hargreaves, FASLA; Kathryn Gustafson, FASLA; and Laurie Olin, FASLA, in America. Since most of these profiles were written in the 1980s and 1990s, it is like revisiting old friends whose initial (and sometimes startling) impact on the world of landscape architecture has receded into normalcy. As she wrote in 1985, “Admittedly, Schwartz does not come to landscape architecture with a horticultural orientation, [but] is drawn instead to the fluidity of outdoor spaces and the possibilities of various other media.” Writing about Barbara Solomon’s remarkable drawings in 1984, she quipped that they “appear to be of fantasy gardens because

they are composites of various views and vistas...each one unlocks in her readers’ minds myriad images of remembered landscapes.”

No matter what the subject is that catches Deitz’s fancy, she always manages to draw her reader in without pomposity or jargon. “Likened to an ark keeping the world’s plant specimens afloat while they disappear elsewhere, the Royal Botanic Gardens, Kew, is one of the prettiest places to walk in England. Its 330 acres appear almost rural, and the Thames, which provided transportation to this London suburb when the gardens were first laid out in 1759, still flows peaceably by its western boundary,” she wrote in the *New York Times*.

DEITZ MANAGES TO DRAW HER READER IN WITHOUT POMPOSITY OR JARGON.

I was particularly struck by her discussion of the work of Lanning Roper, an American landscape architect who made a lasting impact on 20th-century English gardens, designing for Lord Snowdon, among others. A fine-arts graduate of Harvard, Roper soon found his niche in the rarefied world of private English gardens, creating nearly 150 landscapes bearing his mark of “quiet perfection.” After training at the Royal Botanic Gardens in Kew and Edinburgh, he set out to visit gardens throughout Britain and the Continent. His underlying style, Deitz notes, included references to Italian and French gardens in the classical tradition melded with his outstanding command of horticulture, a rare feat indeed. He also left his mark in the United States, advising on Mies’s Farnsworth House, among others. Roper is a man worth studying, and Deitz’s essay is an excellent start.

John Dixon Hunt, series editor for Penn Studies in Landscape Architecture, of which this book is part, provides a thoughtful afterword. “There seems to be a striking divide between this widespread public interest in gardens and the work and pronouncements of professional landscape architects,” he muses. Paula Deitz manages to smooth over this unfortunate divide with her insightful essays. ●

JUDITH B. TANKARD IS A LANDSCAPE HISTORIAN AND THE AUTHOR OF *BEATRIX FARRAND: PRIVATE GARDENS, PUBLIC LANDSCAPES*.

Sunmia™

SOLAR LIGHTING SOLUTIONS



WHY NOT
SOLAR...



1-877-390-8888
WWW.SUNMIA.COM

CIRCLE 455 HTTP://INFO.HOTIMS.COM/34632-455



KELP TREE GRATE

Designed in collaboration
with RRM Design Group

**DECORATIVE DURABLE
GREEN™**



**IRON AGE
DESIGNS.**

**DECORATIVE
CASTINGS
AND CUSTOM
DESIGN**

Recycled/Recyclable Material.
Made in the U.S.A.

ironagegrates.com

or you may call us, 206.276.0925.



CIRCLE 54 HTTP://INFO.HOTIMS.COM/34632-54

REPRINTS:

What Better Way to Market Yourself?

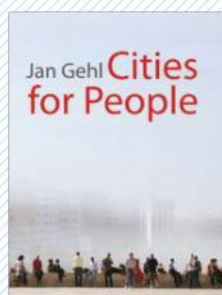
There's no better way to market your firm than with full-color reprints of articles published in *Landscape Architecture*.

For more information, contact The Reprint Dept. at 717-481-8500 or info@reprintdept.com.

American Society of Landscape Architects
636 Eye Street NW, Washington, DC 20001-3736
202-898-2444 ~ Fax 202-898-2285 ~ www.asla.org



BOOKS OF INTEREST

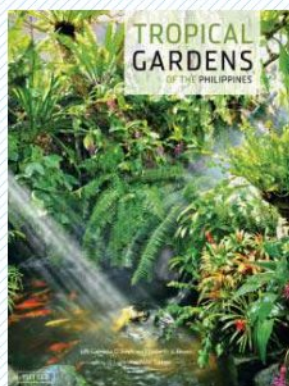


JAN GEHL SUGGESTED THE CLOSURE OF SEVEN BLOCKS AROUND TIMES SQUARE IN NEW YORK CITY, CREATING A PEDESTRIAN SPACE.

CITIES FOR PEOPLE

BY JAN GEHL; WASHINGTON, D.C.: ISLAND PRESS, 2010; 269 PAGES, \$49.50.

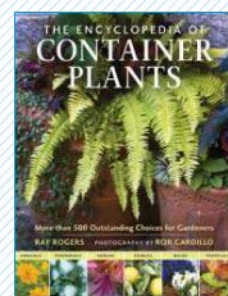
The Danish architect Jan Gehl has consulted with more than 70 cities worldwide about how to create more livable and sustainable urban spaces. Among his suggestions was the closure of seven blocks around Times Square in New York City, creating a pedestrian space free of traffic. The planning principles that guide his work are presented here, and the focus on creating vibrant urban spaces while keeping pedestrians and bicyclists safe should appeal to landscape architects working in cities. ●



TROPICAL GARDENS OF THE PHILIPPINES

BY LILY GAMBOA O'BOYLE AND ELIZABETH V. REYES, PHOTOGRAPHY BY LUCA INVERNIZZI TETTONI; NORTH CLARENDON, VERMONT: TUTTLE PUBLISHING, 2010; 224 PAGES, \$44.95.

Intended for "gardening enthusiasts," the full-color photos throughout this large-format book may inspire designers working in tropical settings. Brief text describes the landscapes, mostly residential, but the photos are the draw here for landscape architects. ●

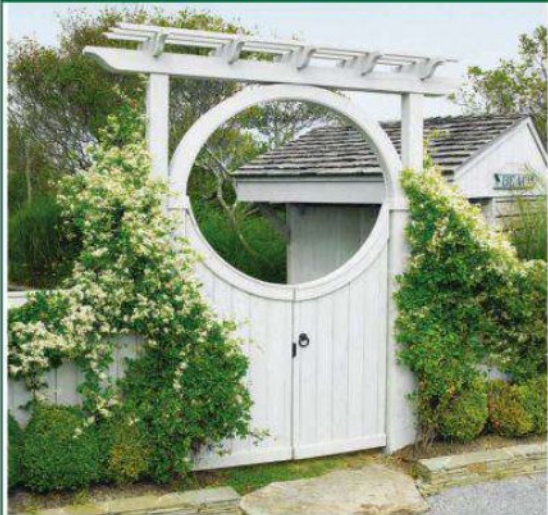


THE ENCYCLOPEDIA OF CONTAINER PLANTS: MORE THAN 500 OUTSTANDING CHOICES FOR GARDENERS

BY RAY ROGERS, PHOTOGRAPHY BY ROB CARDILLO; PORTLAND, OREGON: TIMBER PRESS, 2010; 344 PAGES, \$34.95.

The horticulturist Ray Rogers has won numerous awards for container-grown plants he's presented at the Philadelphia International Flower Show, and he's bringing that expertise to readers in this encyclopedia. With more than 500 plant profiles, it should be a useful resource for designers interested in working with container gardens. ●

Supporting your designs



In the material your customers want

Walpole is the largest, most experienced fabricator of advanced solid cellular vinyl fence and outdoor structures in the U.S. Working from your designs, we use time-honored methods to handcraft fence, railing, gates, pergolas, arbors, planters, lantern posts and more. To direct buy prefinished wood and wood alternative products, call 800-343-6948.

75+ years **Walpole Woodworkers**
walpolewoodworkers.com

CIRCLE 229 [HTTP://INFO.HOTIMS.COM/34632-229](http://info.hotims.com/34632-229)



LAM'S APRIL ISSUE

A profile of **THOMAS BALSLEY** (pictured) and his firm showcases his diverse projects. The **AL-AZHAR PARK** in Cairo, created by the Aga Khan Trust for Culture, was conceived with the populist ideals that have risen to the fore in Egypt. In Maine, **A ROAD** that won an EPA smart growth award may inspire designers working on similar projects. The **SPECIES** column looks at faux lupine, benign giants, and a wasp to beware of. **PLUS, IDEAS, BOOKS,** and more!

IMAGE CREDIT
Patrick Pantano



Hanover® Roof and Plaza Pavers

Hanover® Roof and Plaza Pavers provide environmental benefits while creating aesthetically appealing rooftops and plaza gardens. With pavers yielding high reflectance and emittance values, Hanover® Pavers are an integral part of green building projects, helping to earn SS Credits and achieve LEED points. Contact Hanover® for more information.

HANOVER®
Architectural Products
www.hanoverpavers.com • 800.426.4242

CIRCLE 95 [HTTP://INFO.HOTIMS.COM/34632-95](http://info.hotims.com/34632-95)

EMPOWER YOUR OUTDOOR SPACES.

Energia
Power. Sound. Communication.

Outdoor Lifestyle Centers | Streetscapes | Outdoor Vending Areas

The Energia all-in-one power post provides the capabilities perfect to enliven your outdoor spaces. Featuring convenient power outlets, optional Internet and network capabilities and a high quality speaker option.



Made in the U.S.A.



U.S. Patent Pending

To learn more call us at 712-792-6443.

www.energiapowerpost.com | www.tfilighting.com



LIGHTING PRODUCTS
CARROLL, IA

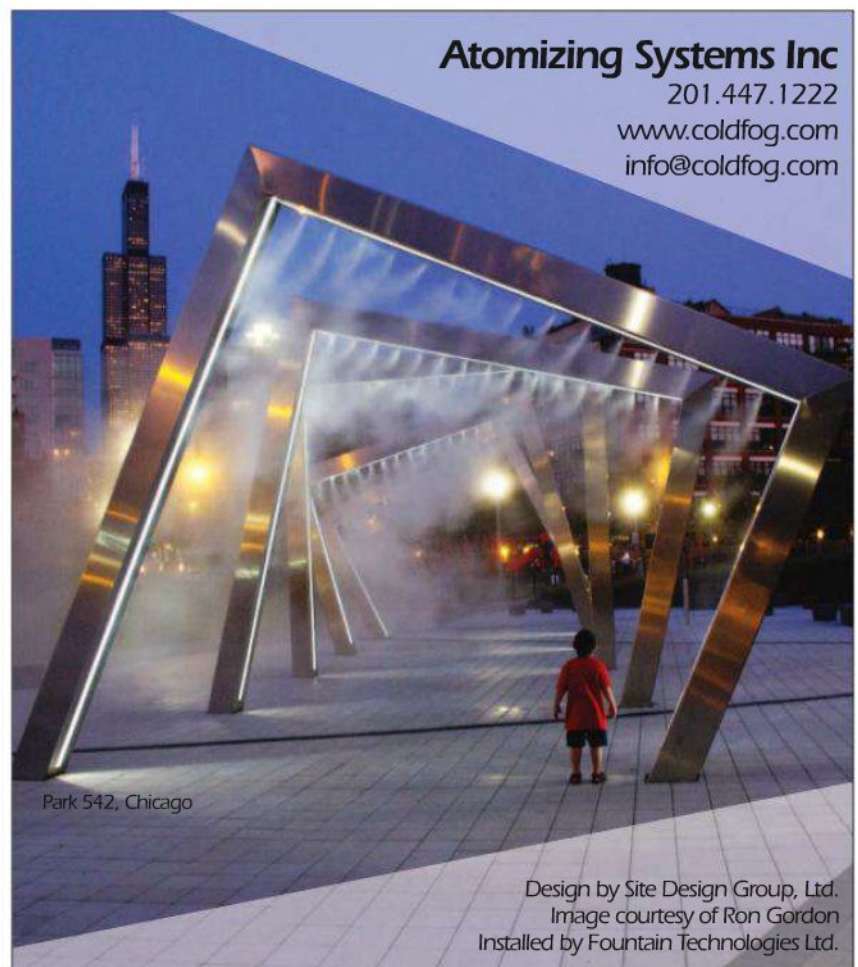
CIRCLE 378 [HTTP://INFO.HOTIMS.COM/34632-378](http://info.hotims.com/34632-378)

Atomizing Systems Inc

201.447.1222

www.coldfog.com

info@coldfog.com



Park 542, Chicago

Design by Site Design Group, Ltd.
Image courtesy of Ron Gordon
Installed by Fountain Technologies Ltd.

CIRCLE 14 [HTTP://INFO.HOTIMS.COM/34632-14](http://info.hotims.com/34632-14)



visit www.timberform.com



Complete Online Site Furnishings Catalog Specifications, Drawings (DWG & PDF), and More



Or contact the makers, **Columbia Cascade Company** at 1-800/547-1940 or asla@timberform.com

CIRCLE 52 [HTTP://INFO.HOTIMS.COM/34632-52](http://INFO.HOTIMS.COM/34632-52)



Decades of Experience
NATURAL STONE INSTALLATION

Oakland Hills Country Club
Shoreline Retaining, MI

Shenandoah Country Club
Natural Stone Retaining, MI

InnerKip Highlands, Waterfall
Ontario, Ca

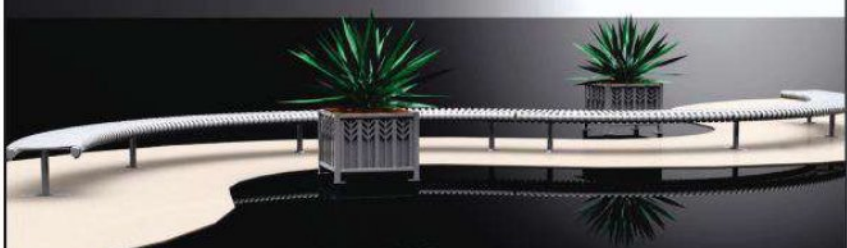
Rockworks
800.497.3339
rockworksilc.com

Residential
Commercial
Municipal

CIRCLE 371 [HTTP://INFO.HOTIMS.COM/34632-371](http://INFO.HOTIMS.COM/34632-371)

Petersen Mfg. Co., Inc

Concrete and Metal Site Furnishings



Quality Products since 1913

Benches . Tables . Bollards . Planters . Waste Receptacles
Ash Urns . Drinking Fountains . Security Barriers

800-832-7383 . www.Petersenmfg.com

CIRCLE 158 [HTTP://INFO.HOTIMS.COM/34632-158](http://INFO.HOTIMS.COM/34632-158)



OXFORD GARDEN

TRAVIRA COLLECTION • 877 866 3331

www.oxfordgarden.com

CIRCLE 155 [HTTP://INFO.HOTIMS.COM/34632-155](http://INFO.HOTIMS.COM/34632-155)



SIMPLY THE
BEST VINYL FENCE
IN THE NATION

- ★ Commercial and Residential ★ Mix 'n' Match Colors ★ ASTM F964-09 Compliant ★
- ★ 26 Styles Miami-Dade 75MPH Certified Up to 8' High ★ Assembled Panels ★
- ★ NEW! ICC-ES AC174 Certified Railings at www.IllusionsVinylRailing.com ★

NATIONALLY DISTRIBUTED

CHECK WITH YOUR LOCAL SUPPLIER

WWW.ILLUSIONSFENCE.COM



CIRCLE 379 [HTTP://INFO.HOTIMS.COM/34632-379](http://INFO.HOTIMS.COM/34632-379)

Aqua Control

WATER FEATURES

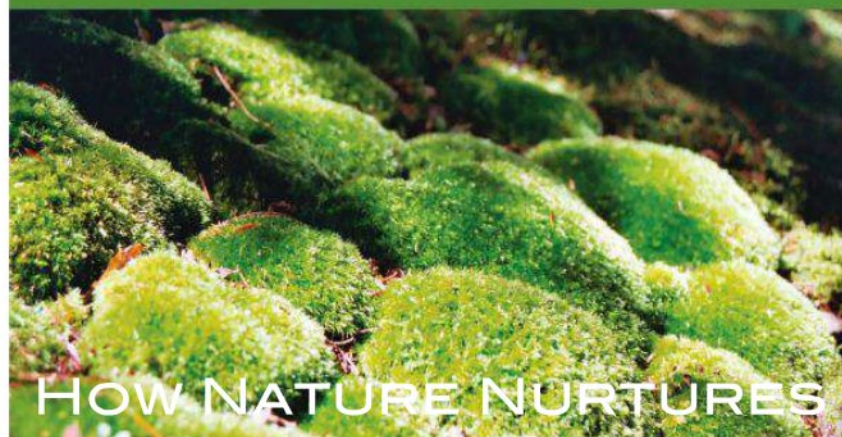
- Display Aerators & Fountains
- Waterfall Pump Systems
- Stationary Fountains
- Lake Bed Aerators
- Shallow Pond Aerators
- Pond Bottom Circulators
- Water Quality Products

Endless Possibilities

www.aquacontrol.com • 800-377-0019

CIRCLE 305 [HTTP://INFO.HOTIMS.COM/34632-305](http://INFO.HOTIMS.COM/34632-305)

MOSS



HOW NATURE NURTURES

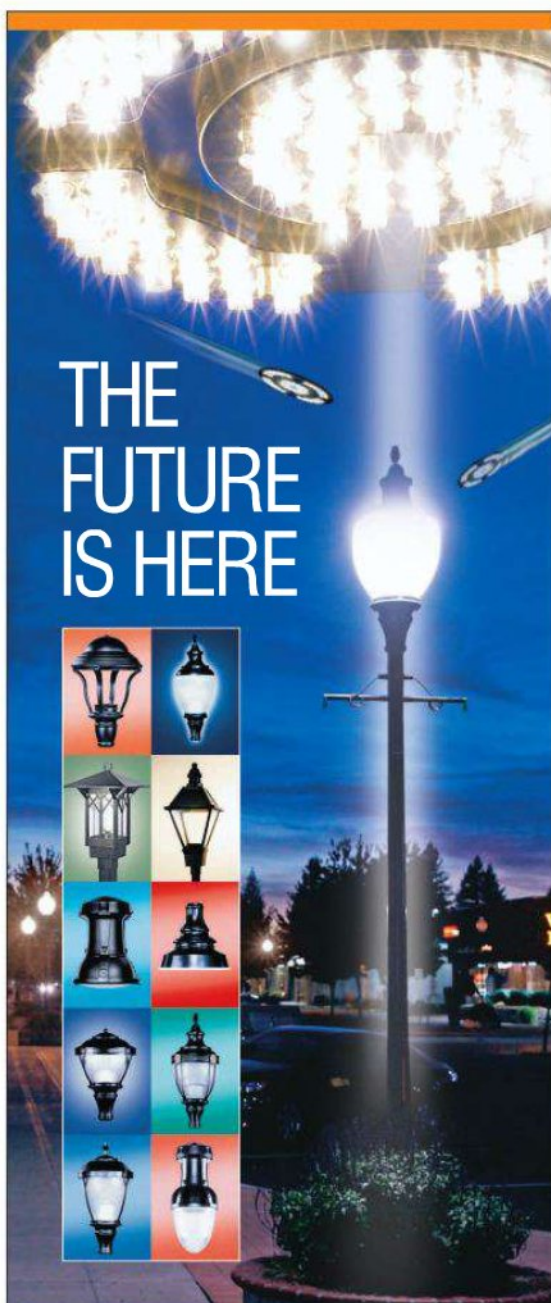
Create evocative and tranquil space while
adding softness, pattern and brilliant color.

Let us help you specify moss for shade projects.
Visit MossAcres.com Call 866.GET.MOSS

LIVE MOSSES
GREEN ROOFS

HYDROMOSSING
WORKSHOPS

CIRCLE 21 [HTTP://INFO.HOTIMS.COM/34632-21](http://INFO.HOTIMS.COM/34632-21)



THE FUTURE IS HERE



The most advanced LED system on the planet has arrived at a town and city near you.

The preferred choice in decorative outdoor street and area lighting nationwide.



"Admirable uniformity and a warm color"
Judges comment

STERNBERG LIGHTING

SINCE 1923

P 800-621-3376 • F 847-588-3440
E info@sternberglighting.com
www.sternberglighting.com

CIRCLE 324 [HTTP://INFO.HOTIMS.COM/34632-324](http://INFO.HOTIMS.COM/34632-324)

Mycorrhizal Applications, Inc.



Change Your World

Science helping your plants grow better naturally.

* Pet & Family Friendly

MycoApply®
Products Available At:
Toll Free: 866.476.7800

www.mycorrhizae.com / www.mycoapply.com



Products Available

CIRCLE 454 [HTTP://INFO.HOTIMS.COM/34632-454](http://INFO.HOTIMS.COM/34632-454)



CHEYENNE MODEL

A TRUE CLASSIC IS ALWAYS IN STYLE.

classicrecreation.com 800.697.2195



CLASSIC

RECREATION SYSTEMS, INC.

© 2011 CRS, Inc.

CIRCLE 49 [HTTP://INFO.HOTIMS.COM/34632-49](http://INFO.HOTIMS.COM/34632-49)



KENNETH LYNCH & SONS

CRAFTSMEN OF FINE GARDEN ORNAMENT

114 WILLENBROCK ROAD
OXFORD, CT 06478

YOUR PREMIER SOURCE FOR ORNAMENTAL METAL & STONE

Kenneth Lynch & Sons' dedicated team of family members and employees work together to ensure that your project is as important to us as it is to you. Choose from our classic site furnishings for your municipal project, or from our exquisite garden ornaments for your discerning client's estate or commercial property.



Catalog Requests: info@klynchandsons.com • 203-264-2831 • Fax: 203-264-2833 • www.klynchandsons.com

CIRCLE 444 [HTTP://INFO.HOTIMS.COM/34632-444](http://INFO.HOTIMS.COM/34632-444)

GREENWAY BOTTLE FILLER



Most Dependable Fountains introduces the sensor activated "RED EYE" bottle filler for your GREENWAY PROJECT.

8
0
0
-
5
5
2
-
6
3
3
1

Most Dependable Fountains, Inc.™
www.mostdependable.com



CIRCLE 143 [HTTP://INFO.HOTIMS.COM/34632-143](http://INFO.HOTIMS.COM/34632-143)

Improving Mind, Body, and Spirit



HEALTHCARE GARDEN DESIGN

Professional Development
Certificate of Merit Program

May 4 – 11, 2011

Visit www.chicagobotanic.org/school/certificate or
call (847) 835-8293
for more information.

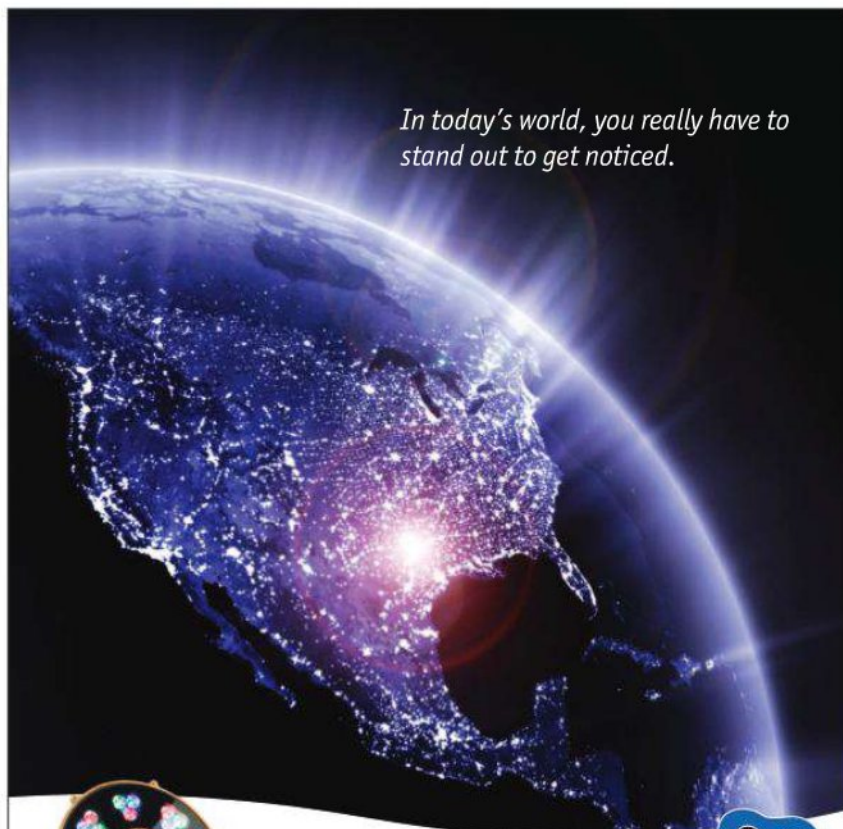
CHICAGO BOTANIC GARDEN

JOSEPH REGENSTEIN, JR. SCHOOL

1000 lake cook road glencoe, illinois 60022

CIRCLE 220 [HTTP://INFO.HOTIMS.COM/34632-220](http://INFO.HOTIMS.COM/34632-220)

In today's world, you really have to stand out to get noticed.




Introducing the LIQUID COLOR™ LC3
120VAC or 12VAC | 90 Watts max. | DMX and ArtNet

Contact us for more information on all of its capabilities.
512.392.1155 | www.fountainpeople.com



FOUNTAIN PEOPLE

CIRCLE 80 [HTTP://INFO.HOTIMS.COM/34632-80](http://INFO.HOTIMS.COM/34632-80)

ROOFTOP DECKS




DECK SUPPORTS



BISON CUBE



WOOD TILES

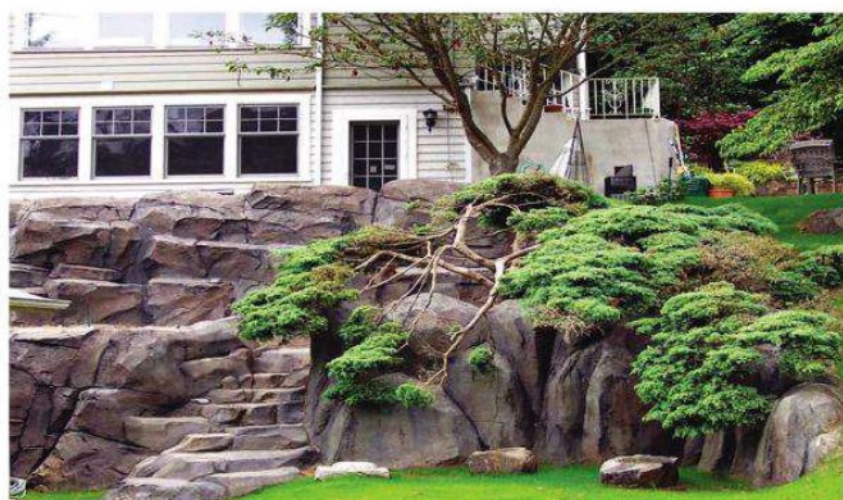


Request free samples online

Bison Innovative Products
www.BisonIP.com | 800-333-4234

© 2011 United Construction Products, Inc. All Rights Reserved.

CIRCLE 91 [HTTP://INFO.HOTIMS.COM/34632-91](http://INFO.HOTIMS.COM/34632-91)



**ENHANCING NATURE,
NOT REPLACING IT**

Artificial rockwork, water features
and retaining walls that are virtually
indistinguishable from nature.

Check us out at: cemrock.com
or email us at: info@cemrock.com



CEMROCK™
NATURALISTIC ENVIRONMENTS

CIRCLE 344 [HTTP://INFO.HOTIMS.COM/34632-344](http://INFO.HOTIMS.COM/34632-344)



POLLY PRODUCTS

GREEN PRODUCTS FOR A GREEN WORLD



Toll free 877-609-2243 www.pollyproducts.com

CIRCLE 40 [HTTP://INFO.HOTIMS.COM/34632-40](http://INFO.HOTIMS.COM/34632-40)

HOW TO USE THE READER SERVICE CARD

To obtain information about our advertisers' products/services: Circle a reader's service number on the postage-paid reader's service card (see list at right for reader's service numbers), or go to

www.asla.org/freeinfo.

OR

Circle the four-digit number of the desired category (upper-right corner of the reader's service card). Then detach the card and drop it in the mail or fax it to 1-800-571-7730. Your information will arrive in four to six weeks.

ADVERTISING SALES

636 Eye Street NW
Washington, DC 20001-3736
202-216-2335
202-478-2190 Fax
advertising@asla.org

PRODUCTION MANAGER

Shelly Neill
202-216-2343
202-898-0062 Fax
sneill@asla.org

ADVERTISER

American Hydrotech, Inc
Andrews Lefevre Studios
Aqua Control Water Features
ARCAT, Inc.
Atomizing Systems, Inc
Barkman Concrete Ltd
Belgard Hardscapes
Berliner Seilfabrik Play Equipment Corporation
Big Ass Fans
Bionova Natural Pools
Blue Book Building & Construction Network
Cemrock Landscapes, Inc
Certainteed Corporation
Chicago Botanic Garden
Classic Recreation Systems, Inc.
Columbia Cascade Company
Country Casual
Deep Fork Tree Farm
DuMor, Inc.
Eastern Fence
Erco GmbH
Eurocobble
Fire Rock Products, LLC
Forms+Surfaces
Fountain People, Inc.
Geosis Corporation
Greenscreen
Haddonstone (USA) Ltd.
Hanover Architectural Products, Inc.
Invisible Structures, Inc.
Iron Age Designs
Ironsmith, Inc.
Kalamazoo Outdoor Gourmet
Kasco Marine, Inc.
Kenneth Lynch & Sons
Keystone Retaining Wall System
Kingsley Bate, Ltd.
Kompan Inc
Kornegay Design
Landscape Architecture Foundation
Landscape Forms
Landscape Structures, Inc.
Leatzow Insurance
Longshadow Classic Garden Ornaments, Ltd.
Metro Green Visions, Inc.
Moss Acres
Most Dependable Fountains
Mycorrhizal Applications Inc.
Oxford Garden
Pavestone Company
Petersen Concrete Leisure Products
Pine Hall Brick Co., Inc.
Polly Products, LLC
Presto Products, Inc.
Rockworks
Roman Fountains
Royal Botania
Selux Corporation
SkyGarden, a Division of Stancills Inc.
Stabilizer Solutions, Inc.
Sternberg Lighting
TFI Lighting Products
The Cultural Landscape Foundation
Tile of Spain
Tournesol Siteworks/Planter Technology
United Construction Products Inc / Bison
Universal Precast
Urban Land Institute
Vertigrow Trellis Systems
Victor Stanley, Inc.
Walpole Woodworkers, Inc.
Water Odyssey
Wausau Tile

WEB SITE

hydrotechusa.com
lefevrestudios.com
aquacontrol.com
arcat.com
coldfog.com
barkmanconcrete.com
belgard.biz
berliner-playequipment.com
bigassfans.com
bionovanaturalpools.com
thebluebook.com
cemrock.com
certainteed.com
chicagobotanic.org
classicrecreation.com
timberform.com
countrycasual.com
dftrees.com
dumor.com
easternfence.com
erco.com
eurocobble.com
firerock.us
forms-surfaces.com
fountainpeople.com
sunmia.com
greenscreen.com
haddonstone.com
hanoverpavers.com
invisiblestructures.com
ironage-online.com
ironsmith.biz
kalamazoogourmet.com
kascomarine.com
klynchandsons.com
keystonewalls.com
kingsleybate.com
kompan.com
kornegaydesign.com
lafoundation.org
landscapeforms.com
playlsi.com
leatzow.com
longshadow.com
metrogreenvisions.com
mossacres.com
mostdependable.com
mycorrhizae.com
oxfordgarden.com
pavestone.com
petersenmfg.com
americaspremierpaver.com
polyproducts.com
prestogeo.com
rockworkslc.com
romanfountains.com
royalbotania.com
selux.com
stancills.com
stabilizersolutions.com
sternberglighting.com
tfilighting.com
tclf.org
www.spaintiles.info
tournesolsiteworks.com
bisondecksupports.com
upcparks.com
uli.org
vertigrowtrellis.com
victorstanley.com
walpolewoodworkers.com
waterodyssey.com
wausautile.com

RS#

3
451
305
119
14
450
202
368
446
183
366
344
314
220
49
52
55
302
63
379
449
71
457
325
80
455
90
93
95
108
54
109
319
433
444
115
303
117
118
382
126
127
129
n/a
453
21
143
454
151
188
158
159
40
97
371
242
73
186
461
195
324
378
414
386
161
91
390
447
459
222
229
231
310

PAGE

25
131
140
31
138
129, 151
20, 151
39
119
133, 155
29
143
129, 146
142
141, 154
123, 139, 147
41, 148
133, 154
47, 147
140
55
27, 152
63
9, 146
143, 155
135
15, 149
75, 147
138
117
135
69
45
156
142
131
57
43, 150
35, 147
125
4-5, 11, 17, 148
23
133
C2-1, 147
2-3
140
142
141
140
152, C4
139
19, 152
143
33
139
13, 155, 156
127
76
158
123
141
138
49
127
119, 153
143
73
121
157
148, C3
137
53
129

ASSOCIATION/FOUNDATION

Chicago Botanic Garden	847.835.6824	142
Landscape Architecture Foundation	202.331.2070	125
The Cultural Landscape Foundation	202.483.0553	49
Urban Land Institute	800.321.5011	121

BUSINESS SERVICES

Leatzow Insurance	630.468.6060	133
-------------------	--------------	-----

CONSTRUCTION/MAINTENANCE

Bartlett Tree Expert Company	877.227.8538	146
------------------------------	--------------	-----

DRAINAGE AND EROSION

Stabilizer Solutions, Inc.	800.336.2468	123
----------------------------	--------------	-----

FENCES/GATES/WALLS

Ameristar Fence Products	800.321.8724	146
Certaiteed Corporation	317.873.8100	129, 146
Eastern Fence	631.698.0975	140
Invisible Structures, Inc.	800.233.1510	117
Keystone Retaining Wall System	952.897.1040	131
Latticecix, Inc.	415.710.7701	146
PrivacyLink Manufacturing	800.574.1076	146

FURNITURE/RESIDENTIAL

Kalamazoo Outdoor Gourmet	312.423.8708	45
---------------------------	--------------	----

FURNITURE/SITE AMENITIES: COMMERCIAL

Big Ass Fans	859.967.0154	119
Columbia Cascade Company	800.547.1940	123, 139, 147
Country Casual	800.284.8325	41, 148
Doty & Sons Concrete Products	800.233.3907	147
DuMor, Inc.	800.598.4018	47, 147
Forms+Surfaces	800.451.0410	9, 146
Haddonstone (USA) Ltd.	856.931.7011	75, 147
Iron Age Designs	206.276.0925	135
Ironsmith, Inc.	800.338.4766	69
Kenneth Lynch & Sons	203.264.2831	142
Keystone Ridge Designs, Inc.	724.284.1213	148
Kingsley Bate, Ltd.	703.361.7000	57
Kornegay Design	602.252.6323	35, 147
Landscape Forms	800.430.6205	4-5, 11, 17, 148
Longshadow Classic Garden Ornaments, Ltd.	618.893.4831	C2-1, 147
Millstones	404.310.6490	148
Old Town Fiberglass	714.633.3732	148
Oxford Garden	502.719.1212	140
Petersen Concrete Leisure Products	800.832.7383	139
Polly Products, LLC	517.649.2243	143
Royal Botania	212.812.9852	127
RUD-Erlau	319.294.0001	148
Thomas Steele	800.448.7931	148
Universal Precast	530.605.2664	73
Victor Stanley, Inc.	301.855.8300	148, C3
Wausau Tile	800.388.8728	129

GREEN ROOFS/LIVING WALLS

American Hydrotech, Inc	800.877.6125	25
Greenscreen	800.450.3494	15, 149
Metro Green Visions, Inc.	631.917.0200	2-3
SkyGarden, a Division of Stancills Inc.	877.536.9572	158
Skyland USA	610.268.0017	149
Vertigrow Trellis Systems	206.568.3900	157

IRRIGATION

Dig Irrigation Products	800.322.9146	149
-------------------------	--------------	-----

LIGHTING

B-K Lighting, Inc.	559.438.5800	149, 150
C.W. Cole and Co. Inc.	626.443.2473	149
Erco GmbH	732.225.8856	55
Geosis Corporation	408.262.5887	135
Hunza Lighting	642.168.5571	149
JH Baxter / TimberWood Products	360.573.6321	150
Selux Corporation	800.735.8927	76
Sternberg Lighting	847.588.3400	141
TFI Lighting Products	712.792.6443	138

LUMBER/DECKING/EDGING

Sure-Loc Aluminum Edging	800.787.3562	150
United Construction Products Inc / Bison	303.892.0400	143
Walpole Woodworkers, Inc.	800.343.6948	137

MEDIA

Blue Book Building & Construction Network	800.431.2584	29
---	--------------	----

PARKS AND RECREATION

Berliner Seilfabrik Play Equipment Corporation	864.627.1092	39
Columbia Cascade Company	800.547.1940	123, 139, 147
DOGIPOT	800.364.7681	150
Kompan Inc	800.426.9788	43, 150
Landscape Structures, Inc.	800.328.0035	23

PAVING/SURFACING/MASONRY STONE/METALS

A&B Aluminum and Brass Foundry	972.247.3579	153
Andrews Lefevre Studios	212.667.1445	131
Barkman Concrete Ltd	204.326.3445	129, 151
Belgard Hardscapes	877.235.4273	20, 151
Cemrock Landscapes, Inc	520.571.1999	143
Deep Root Partners, L.P.	800.458.7668	150, 151
Dunis Stone	210.452.7061	151
Eurocobble	877.877.5012	27, 152
Fibar System / Amdex	800.342.2721	152
Fire Rock Products, LLC	205.639.5000	63
Hanover Architectural Products, Inc.	800.426.4242	138
Oly-Ola Edgings, Inc.	847.853.9400	152
Pavestone Company	817.481.5802	152, C4
Pine Hall Brick Co., Inc.	336.721.7500	19, 152
Presto Products, Inc.	920.738.1336	33
Rockworks	248.830.1976	139
SofSURFACES, Inc	800.263.2363	152
Stepstone, Inc.	310.327.7474	152
Tile of Spain	305.446.4387	127
Tri-State Stone Co. for Carderock	301.365.2100	151
Unilock, Ltd.	416.646.5255	152
Wausau Tile	800.388.8728	129
Zeager Brothers, Inc.	800.346.8524	151

PLANTERS/SCULPTURES/GARDEN ACCESSORIES

Allison Armour	805.450.6422	153
Architectural Pottery	714.895.3359	153
Seibert & Rice	973.467.8266	153
Terracast Products LLC	305.895.7600	153
Tournesol Siteworks/Planter Technology	800.542.2282	119, 153
Trellis & Trugs	847.784.6910	153

PLANTS/SOILS/PLANTING MATERIALS

Deep Fork Tree Farm	405.233.2000	133, 154
J. Frank Schmidt & Son Co.	800.825.8202	153
Moss Acres	866.438.6677	140
Mycorrhizal Applications Inc.	541.476.3985	141
Partac Peat Corporation	800.247.2326	154
Vitamin Institute	800.441.8482	156

STRUCTURES

Classic Recreation Systems, Inc.	928.775.3307	141, 154
Dalton Pavilions, Inc.	800.532.5866	154
Icon Shelter Systems Inc.	800.748.0985	154
Poligon, a Product of PorterCorp	616.399.1963	154
ShadeFX Canopies	905.528.4448	155

TECHNOLOGY

ARCAT, Inc.	203.929.9444	31
-------------	--------------	----

WATER MANAGEMENT AND AMENITIES

Aqua Control Water Features	815.664.4900	140
Atomizing Systems, Inc	888.265.3364	138
Bionova Natural Pools	507.246.6682	133, 155
Fountain People, Inc.	512.392.1155	143, 155
Irrrometer Company, Inc.	951.689.1701	156
Kasco Marine, Inc.	715.241.8227	156
Most Dependable Fountains	800.552.6331	142
Pondliner.com	405.275.4600	155
Roman Fountains	800.794.1801	13, 155, 156
Stone Forest	505.986.8883	156
Vortex Aquatics Structures International	877.586.7839	156
Water Odyssey	512.392.1155	53



BARTLETT.

BECAUSE CUSTOMER SERVICE,
JUST LIKE TREES, SHOULD BE
A BREATH OF FRESH AIR.



For the life of your trees.

PRUNING FERTILIZATION
PEST & DISEASE MANAGEMENT REMOVAL
CALL 877 BARTLETT 877.227.8538
OR VISIT BARTLETT.COM

CIRCLE 283 [HTTP://INFO.HOTIMS.COM/34632-283](http://INFO.HOTIMS.COM/34632-283)



ModulatisTM

Modular Lattice Screening Solutions

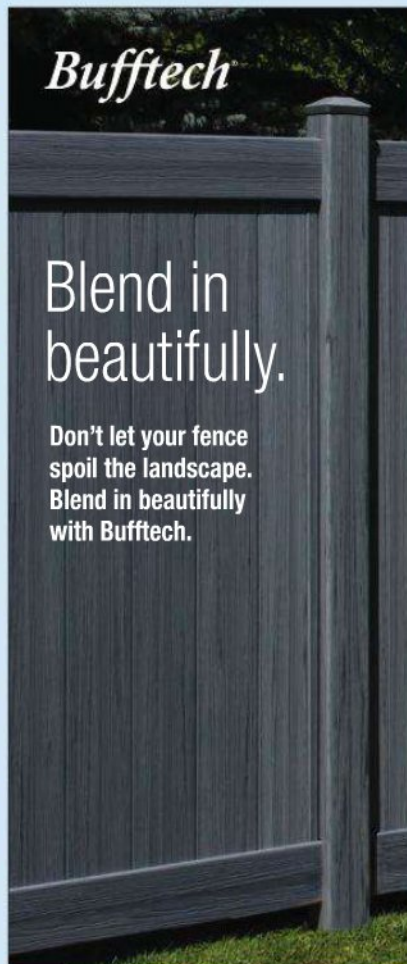
- ▷ 10 design motifs, from basic squares to arabesque
- ▷ Grid-based design for simple scaling
- ▷ Manufactured in N. America from sustainably harvested cedar

LATTICE **STIX**

www.latticesstix.com
888.528.7849



CIRCLE 265 [HTTP://INFO.HOTIMS.COM/34632-265](http://INFO.HOTIMS.COM/34632-265)



Bufftech

Blend in
beautifully.

Don't let your fence
spoil the landscape.
Blend in beautifully
with Bufftech.

CIRCLE 314 [HTTP://INFO.HOTIMS.COM/34632-314](http://INFO.HOTIMS.COM/34632-314)

EVERYTHING YOU NEED
IN FENCING TO CAP OFF
A GREAT DESIGN PLAN!



- Chain link with privacy decorative slats
- Privacy decorative slats
- Wood and synthetic wood
- Ornamental iron
- Vinyl fence
- Steel and aluminum horse fence

Access a wealth of information about
our diversified line of fencing products
including cad drawings, product
catalog, web site and company info
with just a click of the mouse on
CADdetails.com.



800.574.1076
eprivacylink.com

CIRCLE 172 [HTTP://INFO.HOTIMS.COM/34632-172](http://INFO.HOTIMS.COM/34632-172)

MONTAGE[®]

by **AMERISTAR**



Montage[®] is changing America's landscape. Unparalleled quality, now affordable through new technology and manufacturing processes, has made Montage the number one choice of landscape managers and specifiers across America for both new fence construction and replacement of existing wood, chain-link or PVC fences.



**20 YEAR
WARRANTY**

Fusion-welded for durability
E-coated maintenance free finish
Backed by 20-Year Warranty



AMERISTAR FENCE.COM
888-333-3422

CIRCLE 7 [HTTP://INFO.HOTIMS.COM/34632-7](http://INFO.HOTIMS.COM/34632-7)



REST. RELAX. REFUEL.



Blending sculptural forms, green materials, and construction durable enough
for the most challenging outdoor environments, the Trio[™] family now includes
the TABLE ENSEMBLE, benches, lighting and bike racks.

FORMS+SURFACES[®]

offices worldwide | 800.451.0410 | www.forms-surfaces.com

Sign up for F+S new product announcements at www.forms-surfaces.com/news

CIRCLE 325 [HTTP://INFO.HOTIMS.COM/34632-325](http://INFO.HOTIMS.COM/34632-325)

www.timberform.com



Outdoor Fitness Systems



Columbia Cascade Company
800/547-1940 asla@timberform.com

CIRCLE 52 [HTTP://INFO.HOTIMS.COM/34632-52](http://INFO.HOTIMS.COM/34632-52)

Curved Benches



Semi-Custom Curved Benches



Custom Curved Benches



Doty & Sons
Concrete Products, Inc.
www.dotyconcrete.com
1-800-233-3907

CIRCLE 62 [HTTP://INFO.HOTIMS.COM/34632-62](http://INFO.HOTIMS.COM/34632-62)

Du Mor
SITE FURNISHINGS

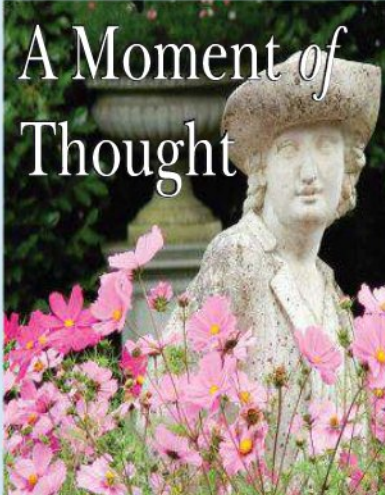


*Quality, Style,
Function...Du Mor®*

800.598.4018
www.dumor.com

CIRCLE 63 [HTTP://INFO.HOTIMS.COM/34632-63](http://INFO.HOTIMS.COM/34632-63)

*A Moment of
Thought*



Contact Haddonstone for high quality landscape ornaments and fine architectural cast stone in contemporary, classical and traditional styles.
Catalog & CD available or visit www.haddonstone.com

HADDONSTONE

201 Heller Place, Bellmawr, NJ 08031
856-931-7011

CIRCLE 93 [HTTP://INFO.HOTIMS.COM/34632-93](http://INFO.HOTIMS.COM/34632-93)



KORNEGAY DESIGN
877.252.6323 www.kornegaydesign.com

CIRCLE 118 [HTTP://INFO.HOTIMS.COM/34632-118](http://INFO.HOTIMS.COM/34632-118)

Made in the U.S.A.



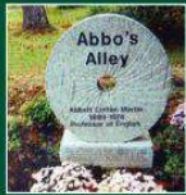
LONGSHADOW®.COM

VISIT WEBSITE

millstones & syrup kettles



Over 100
millstones to choose from!



Sewanee, Tennessee
Sydnorsville, Virginia
Millstone is a great marker



Highlands, North Carolina
Syrup Kettle with Millstone
is an attractive fountain

Our millstones and syrup kettles are architectural antiques. Original, historic, genuine, and authentic, these were rescued from old mills and syrup operations. These are not reproductions and were not made yesterday. Start by going to www.millstones.com, and click on the "gallery" to see more pictures from projects all over the country. Then go to the "online catalog" to see each antiquity with dimensions, history, provenance and pricing. We ship nationwide.

Get our free brochure online!



millstones.com

www.millstones.com

404-310-6490

CIRCLE 296 [HTTP://INFO.HOTIMS.COM/34632-296](http://INFO.HOTIMS.COM/34632-296)

KEYSTONE RIDGE DESIGNS

Classic Style
+
Quality Craftsmanship

Exclusive by Design™



www.keystoneridgedesigns.com

CIRCLE 116 [HTTP://INFO.HOTIMS.COM/34632-116](http://INFO.HOTIMS.COM/34632-116)

Alcott



Designed by
Robert A.M. Stern Architects

800.430.6205
landscapeforms.com

CIRCLE 126 [HTTP://INFO.HOTIMS.COM/34632-126](http://INFO.HOTIMS.COM/34632-126)

Rooftop transformation.

In sizes up to six feet and beyond, our durable planters and containers make an impact without the weight. Visit us online to see how you can transform any landscape or rooftop with our amazing selection of styles, colors and textures.

Old Town
fiberglass

456 S. Montgomery Way
Orange, CA 92868
714.633.3732

www.oldtownfiberglass.com

CIRCLE 295 [HTTP://INFO.HOTIMS.COM/34632-295](http://INFO.HOTIMS.COM/34632-295)



www.erlauUSA.com



Erlau
Site Furnishings

CIRCLE 144 [HTTP://INFO.HOTIMS.COM/34632-144](http://INFO.HOTIMS.COM/34632-144)



site furnishings for a Lifetime™

Introducing
Volare™



1.800.241.2505
www.thomas-steele.com

CIRCLE 235 [HTTP://INFO.HOTIMS.COM/34632-235](http://INFO.HOTIMS.COM/34632-235)



VICTOR STANLEY, INC.
Manufacturers of Quality Site Furnishings since 1962

our 49th year



NEW! Secure Site Design, LLC, Street Sentry™ Series Lens and Wedge bollards available through Victor Stanley. Stainless steel options available.

1.800.368.2573 (USA & Canada)
www.victorstanley.com

CIRCLE 222 [HTTP://INFO.HOTIMS.COM/34632-222](http://INFO.HOTIMS.COM/34632-222)

COUNTRY CASUAL

TEAK GARDEN and SITE FURNISHINGS



*Trusted by Architects &
Designers for Over 30 Years*

Request a catalog:
800.284.8325 or
www.CountryCasual.com

CIRCLE 55 [HTTP://INFO.HOTIMS.COM/34632-55](http://INFO.HOTIMS.COM/34632-55)

greenscreen®

Whole Foods, Lincoln Park, ILL.

the ELEMENTS are SIMPLE

greenscreen

www.greenscreen.com

800.450.3494

the POSSIBILITIES are ENDLESS!

CIRCLE 90 HTTP://INFO.HOTIMS.COM/34632-90

**WIRELESS
ET CONTROL**

The DIG
LEIT-2^{ET}

Weather based,
wireless
irrigation
control system

Validation Show 2009
New Product
Contest
Turf/Landscape Winner

DIG
CORPORATION
www.digcorp.com

CIRCLE 60 HTTP://INFO.HOTIMS.COM/34632-60

LIGHTRAIL • LR 5
ILLUMINATED HANDRAIL / INDOOR & OUTDOOR

LED

• ADA compliant

1.90" dia.
(48mm)

COLE
Lighting

C. W. Cole & Company, Inc.
Tel. (626) 443-2473
www.colelighting.com

CIRCLE 38 HTTP://INFO.HOTIMS.COM/34632-38

HUNZA™ PURE
OUTDOOR
LIGHTING

PURE ELEGANCE

With no visible mounting screws,
the Hunza Solid Step Eyelid
makes a visual statement by day
while lighting steps perfectly at
night. At Hunza we take pride in
making the finest outdoor lights
in the world.

www.hunzausa.com

HUNZA LIGHTING USA
Ph: +1 888 578 6005 Toll Free
sales@hunzalightingusa.com

PURE NEW ZEALAND LIGHT™

CIRCLE 96 HTTP://INFO.HOTIMS.COM/34632-96

rooflite®
Certified Green Roof Media

North America's #1 Certified Green Roof Media

ROLL BACK THE COVER

The success of any green roof
starts with rooflite certified green roof media.

Let your green roof plants grow on us.

www.growonus.com

CIRCLE 452 HTTP://INFO.HOTIMS.COM/34632-452

FOREVER.
Copper + Brass =

ANYWHERE.
Indoor + Outdoor =

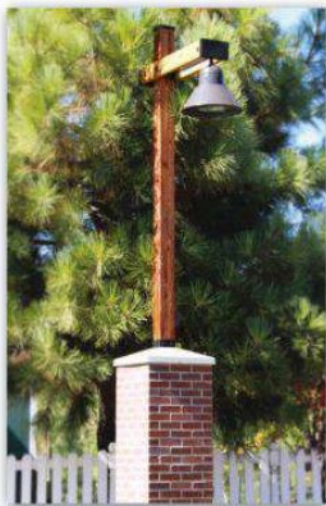
SUSTAINABLE.
SSSL + Technology =

ARCADESERIES.COM

CIRCLE 25 HTTP://INFO.HOTIMS.COM/34632-25

JH Baxter/ TimberWood

Wood Light Poles & Bollards



- Superior Performance for over 40 Years
- Grown by Nature, Engineered for Strength, Built for Durability
- Environmentally preferred "Green"
- FSC Certified lumber available which may qualify for LEED Points

JH Baxter

A WBE Certified Company

www.woodlightpoles.com
(800) 556-1098

CIRCLE 436 [HTTP://INFO.HOTIMS.COM/34632-436](http://INFO.HOTIMS.COM/34632-436)

Edge like YOU MEAN IT!

Steel Edging Aluminum Edging
Paver Edging Plastic Edging

**Spec Sure-loc*
sure-loc
Professional Grade Edging

1-800-787-3562
surelocedging.com

CIRCLE 204 [HTTP://INFO.HOTIMS.COM/34632-204](http://INFO.HOTIMS.COM/34632-204)

THE GREEN CHOICE

• THE MARKET LEADER SINCE 1994
• OXO-BIODEGRADABLE LITTER PICK UP BAGS
• ENVIRONMENTALLY CONSCIOUS PRODUCTS
• WORLD CLASS CUSTOMER SERVICE

"The GREEN Solution to Dog Pollution"

DOGIPOT

"The Clean Solution to Dog Pollution"

1-800-364-7681
www.DOGIPOT.com

CIRCLE 267 [HTTP://INFO.HOTIMS.COM/34632-267](http://INFO.HOTIMS.COM/34632-267)

KOMPAN!

Innovative Challenge

Visit kompan.com or call 800 426 9788

CIRCLE 117 [HTTP://INFO.HOTIMS.COM/34632-117](http://INFO.HOTIMS.COM/34632-117)

changes **EVERYTHING**
everything **CHANGES**

the power of **e**

The power of 'e' is modular.
The power of 'e' is scalable.
The power of 'e' is just better.



B-K LIGHTING
Quality to Last a Lifetime™

www.bkssl.com

CIRCLE 311 [HTTP://INFO.HOTIMS.COM/34632-311](http://INFO.HOTIMS.COM/34632-311)

Gray, Meet Green.



Create green infrastructure with the Silva Cell by using vast uncompacted soil volumes and healthy street trees to manage the rate, volume and quality of stormwater.

DeepRoot

www.deeproot.com
800.458.7668

CIRCLE 58 [HTTP://INFO.HOTIMS.COM/34632-58](http://INFO.HOTIMS.COM/34632-58)

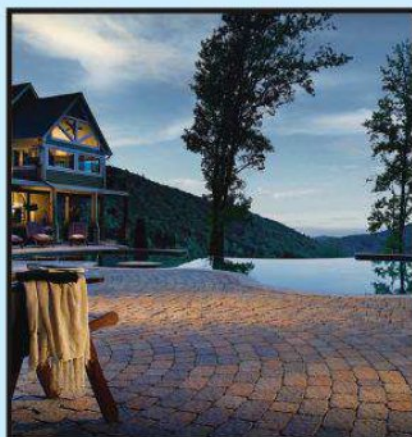


glass fiber reinforced concrete
classic precast concrete

For more details, call 1 800 342 2879
or visit barkmansitefurnishings.com

barkman™

CIRCLE 450 [HTTP://INFO.HOTIMS.COM/34632-450](http://INFO.HOTIMS.COM/34632-450)



**CREATE
UNFORGETTABLE
OUTDOOR SPACES**

Call Belgard Hardscapes for
an onsite appointment
1-877-BELGARD
or go to www.belgard.biz
to order a catalog

BELGARD®
— HARDSCAPES —

BE PREPARED FOR COMPANY™

CIRCLE 202 [HTTP://INFO.HOTIMS.COM/34632-202](http://INFO.HOTIMS.COM/34632-202)

Prevent Hardscape Damage
with Tree Root Guides



The
original!

Durable, patented me-
chanical barriers guide
roots down and away from
hardscapes.

Available in a variety of sizes
for linear, surround and root
pruning applications.

DeepRoot® www.deeproot.com
(800) 458 7668
info@deeproot.com

CIRCLE 58 [HTTP://INFO.HOTIMS.COM/34632-58](http://INFO.HOTIMS.COM/34632-58)

DUNIS STONE INC.

ARCHITECTURAL
NATURAL STONE PRODUCTS



SOLID
GRANITE
BOLLARDS
FROM **\$350**

CUSTOM FABRICATION SOLUTIONS
FOR ANY NATURAL STONE
PROJECT OR DESIGN

SCULPTURAL GRANITE AND MARBLE
WALL TEXTURE TILES; STONE
IN 3-DIMENSIONS

COST EFFECTIVE GRANITE; PAVERS,
MESH-BACKED COBBLES AND TILE

DUNISSTONE.COM

CIRCLE 380 [HTTP://INFO.HOTIMS.COM/34632-380](http://INFO.HOTIMS.COM/34632-380)

WORK SMARTER. NOT HARDER.

**SMALL. HUGE
INVESTMENT. SAVINGS!**



WoodCarpet Mat®

- ✓ Keeps Fall Protection
Safely in Place.
- ✓ **Low**ers Maintenance Costs.
- ✓ **In**creases Fall Protection.
- ✓ Maintain a Level Surface.

ZEAGER
PLAYGROUND SURFACES

WOODCARPET MAT®
HIGH TRAFFIC WEAR MAT

800-346-8524 www.zeager.com

CIRCLE 241 [HTTP://INFO.HOTIMS.COM/34632-241](http://INFO.HOTIMS.COM/34632-241)

Carderock® Stone

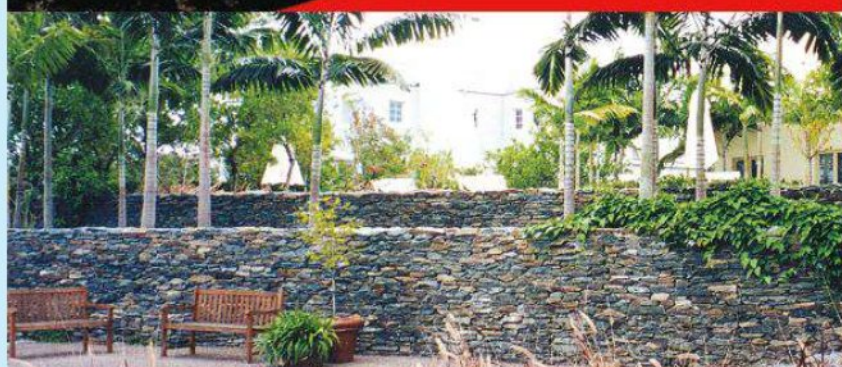
**Tri-State Stone®
and Building Supply, Inc.**

Quarriers and suppliers
of distinctive natural stone since 1926.
Bethesda, Maryland

301.365.2100

www.carderock.com

vener • wallstone • thin veneer • steppers • boulders
• landscape chips • tumbled



CIRCLE 42 [HTTP://INFO.HOTIMS.COM/34632-42](http://INFO.HOTIMS.COM/34632-42)



eurocobble®
eurocobble.com

CIRCLE 71 HTTP://INFO.HOTIMS.COM/34632-71

It's not just the right thing, it's the law*
*according to the Americans with Disabilities Act

FibarSystem 300
Playground Safety Surface

- Exceeds ADA accessibility rules
- IPEMA certified
- Earn up to 14 LEED points
- 40,000 installations nationwide



FIBAR®
VISIT OUR NEW WEBSITE!
www.Fibar.com/asla
info@Fibar.com | 800.342.2721

CIRCLE 75 HTTP://INFO.HOTIMS.COM/34632-75

NOT YOUR AVERAGE "BED DIVIDER"



"Not exactly what we have in mind when referring to our lawn edging as a 'bed divider'! For more information on how our high quality edging products can improve your landscapes, contact us today..."

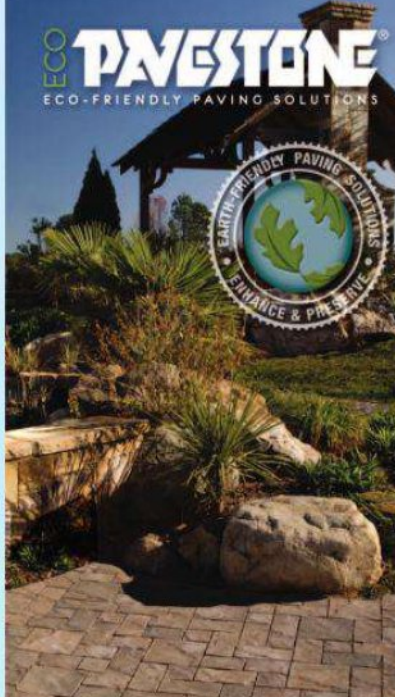
Presented by:

OLYOLA EDGINGS, INC.
ESTABLISHED 1978

1-800-EDGINGS www.olyola.com

CIRCLE 148 HTTP://INFO.HOTIMS.COM/34632-148

ECO PAVESTONE®
ECO-FRIENDLY PAVING SOLUTIONS



ECO-VENETIAN STONE™
The Next Generation of Permeable Paving Solutions

pavestone.com

© 2011 Pavestone Company. All Rights Reserved. "Paving the Future" and "Eco-Venetian Stone" are trademarks of the Pavestone Company.

CIRCLE 188 HTTP://INFO.HOTIMS.COM/34632-188

CityCobble
The look of cobblestone in a genuine clay paver.

A 2 1/4" thick paver with two sizes— 5 1/3" square and 5 1/3" x 8" rectangle

- Colorfast-never fade
- Lifespan 100+ years
- Freeze/thaw durable

800-334-8689
www.claypaver.com



Pine Hall Brick
earth friendly...naturally green

CIRCLE 159 HTTP://INFO.HOTIMS.COM/34632-159

Taking it to the next level
When kids take it to the next level, we do too.



SofTILE's NEW Performance Rating

Current Safety Standard For Fall Protection

SofTILE
KrosLOCK
DURASAFE SERIES

The only surfacing system engineered to provide fall protection from the tops of safety barriers at no additional cost.
Available Spring of 2011.

1.800.263.2363 • www.SofSURFACES.com

CIRCLE 394 HTTP://INFO.HOTIMS.COM/34632-394

Stepstone, Inc.

NARROW MODULAR PAVER

STEPSTONEINC.COM
800.572.9029

NATIONAL DISTRIBUTION

CIRCLE 197 HTTP://INFO.HOTIMS.COM/34632-197



Pavers: Eco-Priora™
Stonehill College, Boston, MA

Unilock. The future of architectural paving elements.
Call for samples and a product demonstration.

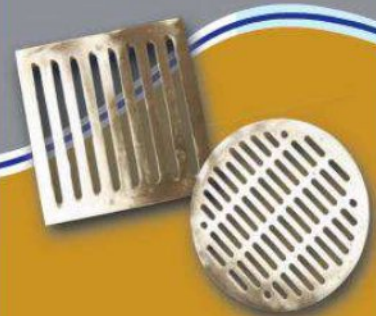
UNILOCK®
Designed to be a step ahead.

1-800-UNILOCK www.unilock.com

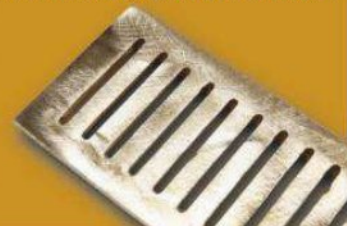
CIRCLE 268 HTTP://INFO.HOTIMS.COM/34632-268

A&B Aluminum and Brass Foundry

Complete line of brass trench
and deck drains



972-247-3579
www.abfoundryonline.com
dwilliamson@abfoundryonline.com



CIRCLE 384 HTTP://INFO.HOTIMS.COM/34632-384

ESPRESSO™ KENTUCKY COFFEE TREE



Gymnocladus dioica 'Espresso-JFS'

Call us today at
800-825-8202 to
locate a supplier



J. FRANK
SCHMIDT
& SON CO.
P O Box 189 | Boring, OR 97009
503-663-4128 | www.jfschmidt.com

CIRCLE 184 HTTP://INFO.HOTIMS.COM/34632-184



Allison Armour Garden Artwork

Prices from \$7500.00
www.allisonarmour.us
Tel: 805.450.6422

CIRCLE 456 HTTP://INFO.HOTIMS.COM/34632-456

PERMA SPEC ARTISTIC FINISHES

Exclusively From
Architectural Pottery



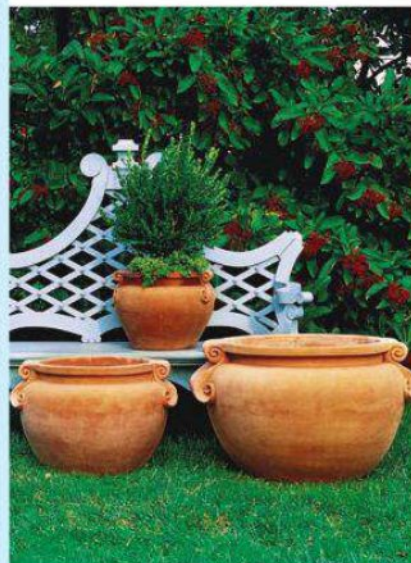
Quality | GFRC Cast with the Finest Detail
Durability | High Impact and Freeze/Thaw Resistant
Style | Unique Designs and Artistic Finishes



ARCHITECTURAL
POTTERY
714.895.3359
www.archpot.com

CIRCLE 286 HTTP://INFO.HOTIMS.COM/34632-286

SEIBERT & RICE Fine Italian Terra Cotta



www.seibert-rice.com
973-467-8266

CIRCLE 185 HTTP://INFO.HOTIMS.COM/34632-185

Quality

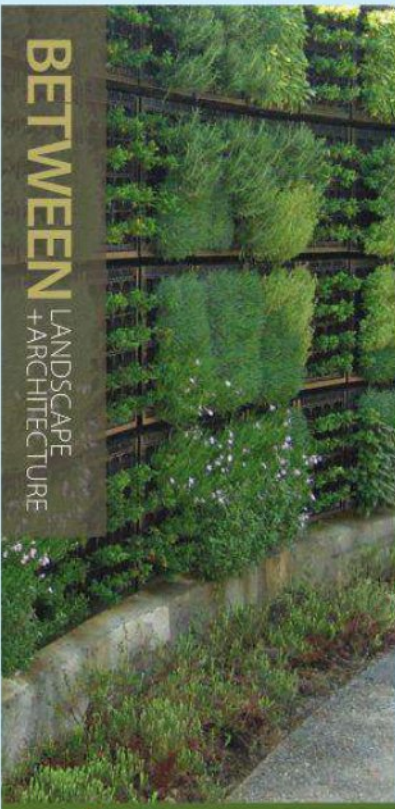


p. 305.895.9525
TerracastProducts.com



CIRCLE 417 HTTP://INFO.HOTIMS.COM/34632-417

BETWEEN LANDSCAPE + ARCHITECTURE




Tournesol
SITEWORKS
800-542-2282 tournesolsiteworks.com
• Planters • Living Walls • Irrigation

CIRCLE 161 HTTP://INFO.HOTIMS.COM/34632-161

trellis & trugs

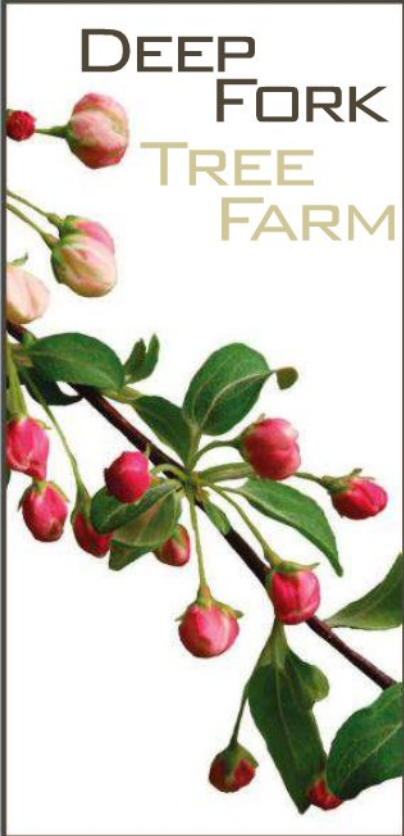
PLANTERS

the perfect choice for
winter interest



ph 847.784.6910
TRELLISANDTRUGS.COM

CIRCLE 261 HTTP://INFO.HOTIMS.COM/34632-261



**DEEP
FORK
TREE
FARM**

www.dftrees.com

CIRCLE 302 [HTTP://INFO.HOTIMS.COM/34632-302](http://INFO.HOTIMS.COM/34632-302)

**YOUR "ONE-STOP SOURCE"
FOR AMERICA'S
BASEBALL & SPORTS TURF
SURFACES & SUPPLIES!**



**WE'VE SUPPLIED PRODUCTS TO EVERY MLB TEAM,
OVER 150 MINOR LEAGUE TEAMS,
OVER 700 COLLEGES AND THOUSANDS OF
TOWNS & SCHOOLS WORLDWIDE!**

800-247-BEAM (2326)
www.BEAMCLAY.com

OVER 200 INFIELD & SPORTS TURF PRODUCTS PLUS
REGIONAL INFIELD MIXES & WARNING TRACKS
BLENDED FOR EVERY STATE & CLIMATE
FROM BULK PLANTS NATIONWIDE!

PARTAC PEAT CORPORATION
KELSEY PARK, GREAT MEADOWS, NJ 07838
908-637-4191 • Fax 908-637-8421

CIRCLE 155 [HTTP://INFO.HOTIMS.COM/34632-155](http://INFO.HOTIMS.COM/34632-155)



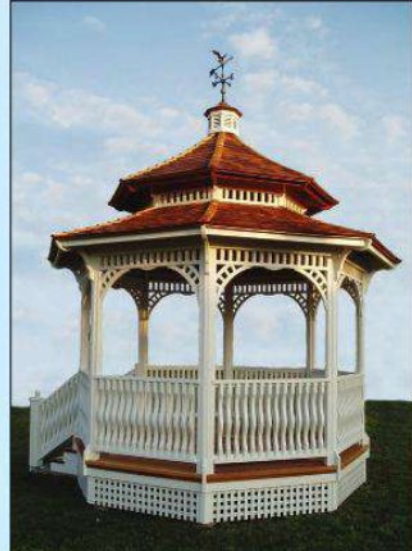
**FABRIC
20' X 30' HIP MODEL**

**A TRUE
CLASSIC
IS ALWAYS
IN STYLE.**

classicrecreation.com
800.697.2195

**CLASSIC
RECREATION SYSTEMS, INC.**
© 2011 CRS, Inc.

CIRCLE 49 [HTTP://INFO.HOTIMS.COM/34632-49](http://INFO.HOTIMS.COM/34632-49)



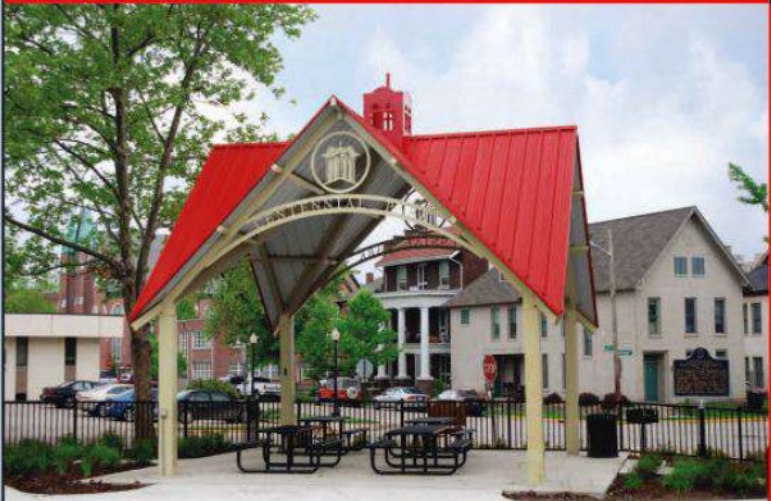
DALTON PAVILIONS, INC.
DESIGNERS OF THE FINEST GAZEBOS
& GARDEN STRUCTURES

Western Red Cedar and no maintenance materials are used extensively in our prefabricated and pre-engineered designs. Visit our web site to see our full line of gazebos and pavilions.

800-532-5866
www.daltonpavilions.com

CIRCLE 57 [HTTP://INFO.HOTIMS.COM/34632-57](http://INFO.HOTIMS.COM/34632-57)

www.poligon.com



The Gabled Crossing Shelter

Our in-house design and engineering staff are well-equipped to assist you in designing the perfect steel or wood shelter to compliment your site. Specify the best finish in the industry, Poli-5000™ - our Super-Durable TGIC powder coat.

poligon®
PARK ARCHITECTURE

by PorterCorp™
Holland, Michigan
616.399.1963
info@poligon.com

shelters • gazebos • pavilions • trellises • amphitheaters

CIRCLE 166 [HTTP://INFO.HOTIMS.COM/34632-166](http://INFO.HOTIMS.COM/34632-166)

Park Perfect
Distinctive Solutions in Outside Architecture

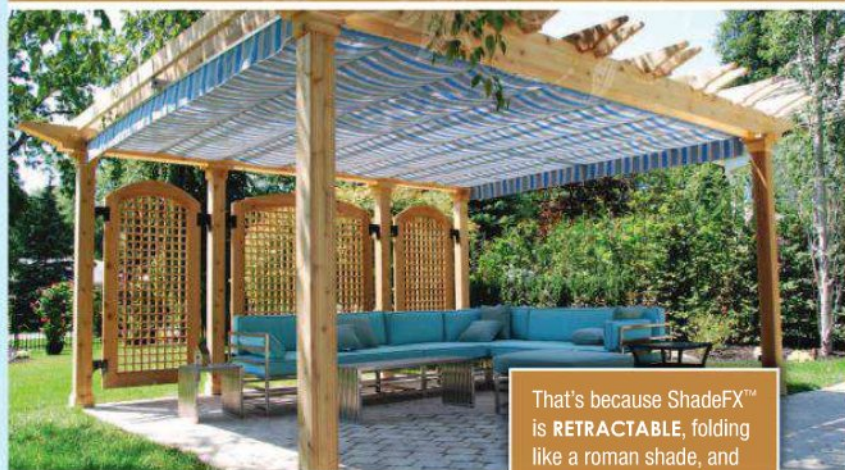


The Shelter on 3rd Avenue Pier, Lucerne, CA

ICON
Shelter Systems Inc
(800) 748-0985 • www.iconshelters.com

CIRCLE 104 [HTTP://INFO.HOTIMS.COM/34632-104](http://INFO.HOTIMS.COM/34632-104)

Make your clients cool with ShadeFX™.



Only ShadeFX™ covers areas up to 40' long and 20' wide with one retractable canopy that can mount above or below the rafters/joists.



That's because ShadeFX™ is **RETRACTABLE**, folding like a roman shade, and designed to attach to new and existing pergolas.

Design with ShadeFX™, add **real value** to outdoor living spaces, and **be cool**.

905.528.4448 • www.shadefx.com

CIRCLE 248 HTTP://INFO.HOTIMS.COM/34632-248

CONTRACTORS & RETAILERS!!

Start Saving TODAY!

Join Our Wholesale Program And Start Saving TODAY!



Wholesale Pricing and Service

We support your business with a large variety of equipment from multiple brands. With Pondliner.com you will always find what you need to get the job done. Most orders ship the same or next business day.



Education

Whether you have just begun to learn the trade or simply want the best training and marketing strategies in the water garden industry, you can count on Pondliner.com to offer in depth classes. Learn the ins-and-outs about pond installation, equipment, and how to maximize your profits from experienced water gardening professionals and entrepreneurs.



Huge Inventory

Make Pondliner.com your source for wholesale pond supplies. Not only can you get pricing at or below direct manufacturer rates, but our expert support team will stand behind you for technical assistance. We handle most warranty issues for you, no need to contact the manufacturer.



ASK FOR A FREE 2011 CATALOG

Pondliner.com

Take advantage of our wholesale pricing and water garden expertise!

Call us at **(866) 219-3561**

Proud Member of NAPP

7901 N Kickapoo

We Ship Everything but the Water.

Shawnee, OK 74804

CIRCLE 443 HTTP://INFO.HOTIMS.COM/34632-443

Our LED Lights are **So Bright ...**



Every order includes a pair of (very cheap)

Sunglasses!



(Not Actual Cheap Sunglasses)

www.romanfountains.com

1-800-794-1801

Atlanta • Albuquerque • Phoenix • Los Angeles

© 2010 Roman Fountains

CIRCLE 242 HTTP://INFO.HOTIMS.COM/34632-242

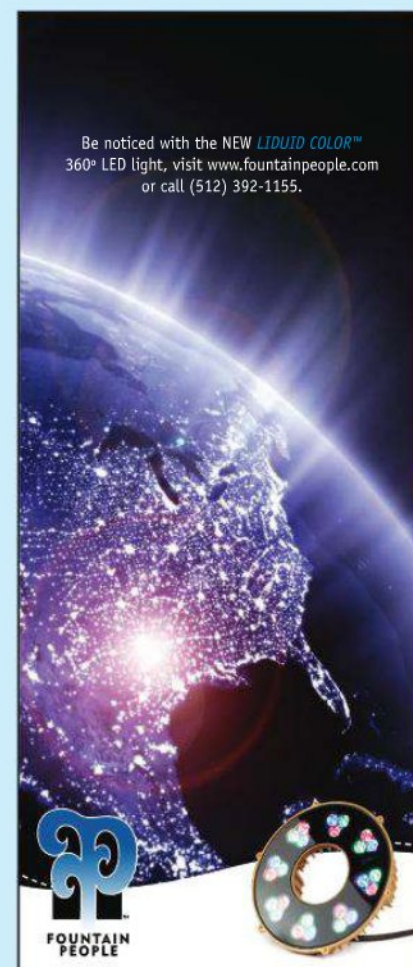


Natural
Swimming
Pools

BioNova
the natural choice

507-Bio-Nova (246-6682)
BioNovaNaturalPools.com

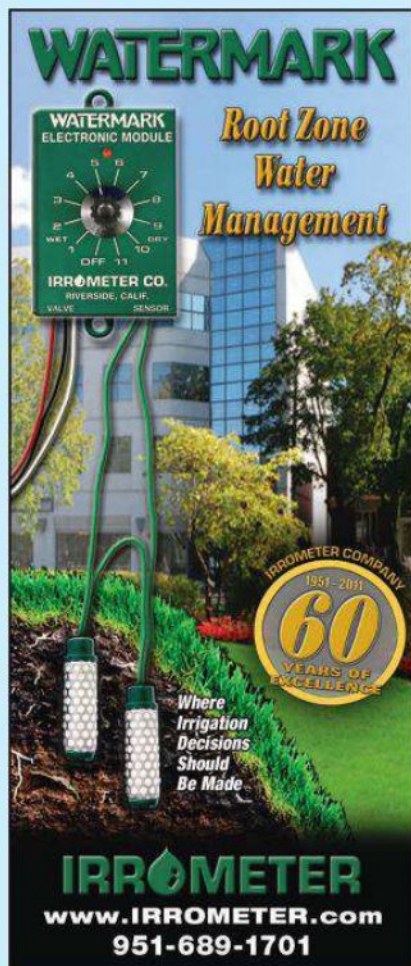
CIRCLE 183 HTTP://INFO.HOTIMS.COM/34632-183



Be noticed with the NEW **LIVID COLOR™** 360° LED light, visit www.fountainpeople.com or call (512) 392-1155.



CIRCLE 231 HTTP://INFO.HOTIMS.COM/34632-231



WATERMARK
Root Zone Water Management

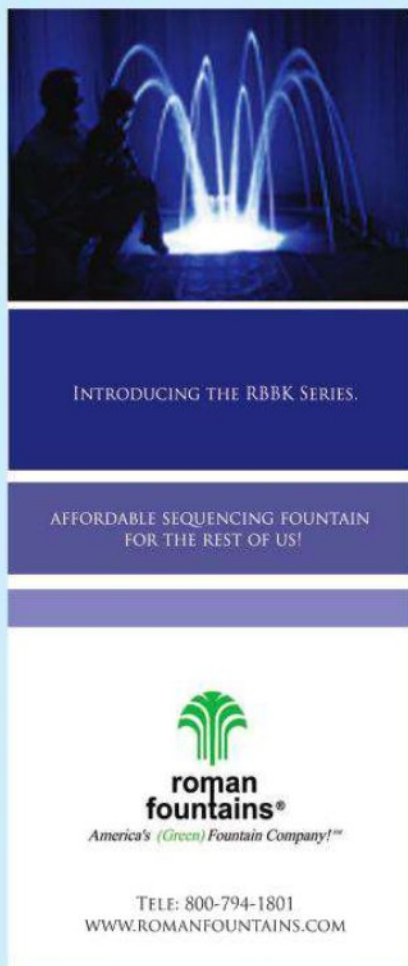
WATERMARK ELECTRONIC MODULE
IRROMETER CO. RIVERSIDE, CALIF. VALVE SENSOR

IRROMETER COMPANY
1951-2011
60
YEARS OF EXCELLENCE

Where Irrigation Decisions Should Be Made

IRROMETER
www.IRROMETER.com
951-689-1701

CIRCLE 110 HTTP://INFO.HOTIMS.COM/34632-110



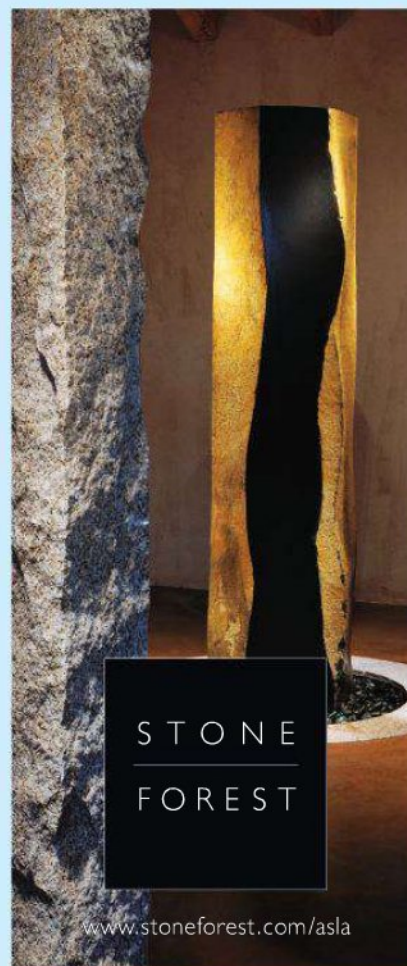
INTRODUCING THE RBBK SERIES.

AFFORDABLE SEQUENCING FOUNTAIN FOR THE REST OF US!

roman fountains®
America's (Green) Fountain Company!™

TELE: 800-794-1801
WWW.ROMANFOUNTAINS.COM

CIRCLE 242 HTTP://INFO.HOTIMS.COM/34632-242



STONE FOREST

www.stoneforest.com/asla

CIRCLE 259 HTTP://INFO.HOTIMS.COM/34632-259

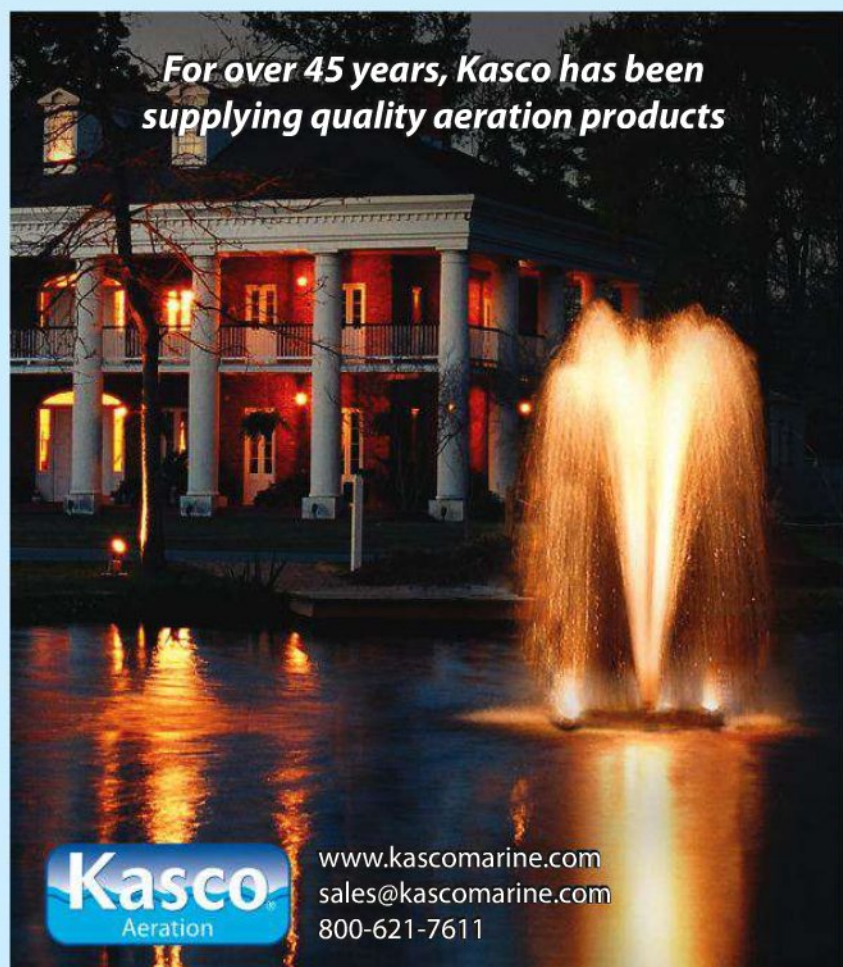


VORTEX

FAMILY-ORIENTED ZERO-DEPTH AQUATIC PLAY AREAS

vortex-intl.com • info@vortex-intl.com
(USA/CND) 1.877.586.7839 • 514.694.3868

CIRCLE 226 HTTP://INFO.HOTIMS.COM/34632-226



For over 45 years, Kasco has been supplying quality aeration products

Kasco
Aeration

www.kascomarine.com
sales@kascomarine.com
800-621-7611

CIRCLE 433 HTTP://INFO.HOTIMS.COM/34632-433



•Has your faith in "Boiler-plate 101" ignored **SURVIVAL SPEC #1?** Usually 100% survival world-wide since 1940 when you specify (and refuse non existent "equivalents.")

WORLD'S FAIR™ Gold Medal® HORMS™ #4™

SUPERthrive® 50 IN ONE™

VITAMINS-HORMONES
Unchallenged guarantee proofs

•Request free sample for each Landscape Architect in your office.

Too late – even for SUPERthrive®
PETRIFIED LOG

VITAMIN INSTITUTE 12610 Saticoy Street South, North Hollywood, CA 91605
Phone (800) 441-VITA (8482) • Fax (818) 766-VITA (8482)
www.superthrive.com

CIRCLE 224 HTTP://INFO.HOTIMS.COM/34632-224



CREATE A PLACE FOR GROWTH

A modular parallel-panel system welded together to create a growing area for vine plants. The panels can be incorporated with existing or new construction and can be used indoors as well as out.

BENEFITS

- + Improves energy efficiency
- + Creates a more appealing building exterior
- + Improves air quality
- + Galvan® coated for superior anti-corrosion
- + Custom welded mesh patterns available to suit all challenges:
 - Climb resistance for fencing and building exteriors
 - Light filtering for parking garages
 - Feature to add interest to simple concrete buildings
 - As railing infill to compliment other railings on site

Vertigrow provides project-specific design expertise to ensure successful planning and installation.

MORE FLEXIBLE IN DESIGN & RIGID IN CONSTRUCTION



MADE IN
USA!




vertigrow
WELDED WIRE TRELLIS SYSTEMS

www.vertigrowtrellis.com
1-800-656-1898

CIRCLE 459 ON READER SERVICE CARD OR GO TO [HTTP://INFO.HOTIMS.COM/34632-459](http://INFO.HOTIMS.COM/34632-459)





SkyGarden
Extensive & Intensive
GREENROOF MEDIA

By Stancills, Inc.

STANCILLS
CUSTOM SOIL BLENDING®

Products for a Better Environment

499 Mountain Hill Road, Perryville, MD 21903 • 877.536.9572

www.stancills.com • greenroof@stancill.com

CIRCLE 461 ON READER SERVICE CARD OR GO TO [HTTP://INFO.HOTIMS.COM/34632-461](http://info.hotims.com/34632-461)

PLAN NOW TO ADVERTISE IN *LANDSCAPE ARCHITECTURE MAGAZINE'S* 2011-2012 PRODUCT DIRECTORIES

Landscape Architecture Magazine readers design and specify more than \$140 billion in projects each year. Highlight your products through these upcoming directories featuring free basic listings and special display advertising rates:

Lighting Products & Services Directory: MAY ISSUE
Bonus distribution at the AIA Convention

Parks & Recreation Product Directory: JULY ISSUE

Water Products & Services Directory: AUGUST ISSUE

Plant Suppliers Directory: DECEMBER ISSUE

Residential Furnishings Directory: JANUARY ISSUE
Bonus distribution at the National Association of Home Builders Show

2009 ASLA GENERAL DESIGN HONOR AWARD, SPECKMAN HOUSE
LANDSCAPE BY COEN + PARTNERS, INC. PHOTO BY PAUL CROSBY



AMERICAN
SOCIETY OF
LANDSCAPE
ARCHITECTS

To reserve your free listing and display ad space, contact the
ASLA Sales Department at 202-216-2335 or advertising@asla.org.

LANDSCAPE
ARCHITECTURE
MAGAZINE

EVIL TWINS

BY GWENETH NEWMAN LEIGH, INTERNATIONAL ASLA

I was 27 when I visited the Parthenon. It was in the middle of January on a brisk afternoon, just days after I got married. It was also in Nashville, Tennessee.

Nashville's Parthenon is a full-size replica of the Athens original. It was the centerpiece of the 1897 Tennessee Centennial Exposition, constructed in response to the capital's moniker as "the Athens of the South."

If you like Nashville's Parthenon, you can also visit the Eiffel Tower in Paris, Tennessee, see the Taj Mahal in Sonargaon, Bangladesh, or watch a performance inside the Colosseum in Las Vegas. Slightly tacky and seemingly harmless, such creations remind me of oversized snow globes. But what began as a collection of quirks has now evolved into a quagmire, as clients and their obsequious designers are adopting such projects with seriousness—and a scale—that is anything but funny.

Take the case of Dubai Marina. Designed by HOK Canada, this man-made marina in the Persian Gulf is modeled after the highly successful Concord Pacific Place development along False Creek in Vancouver, Canada. From its high-rise towers to the layout of its seawall, Dubai Marina mimics its North American counterpart in startling detail; critics have dubbed it the False Creek Clone. But

COPYCAT DESIGNS FROM AFAR ROB LOCALITIES OF THEIR OWN SINGULARITY.

where Vancouver had False Creek, the developers of Dubai Marina had an empty stretch of Great Arabian Desert. This did not hinder its progress—a central waterway was excavated, bringing water from the Persian Gulf. Presto, Dubai Marina had its new "False Creek" waterfront, down to the detailing of its handrails—though without Vancouver's mountain views.

Drive an hour north of Beijing and you'll arrive at Orange County (see "Welcome to the OC," *LAM*, July 2008). The design of these upscale homes within this gated community was led by Southern California architect Bassenian Lagoni. The development is a mix of replicated Southern California three- and four-bedroom homes, each with a landscaped backyard featuring barbecues and a driveway to park the SUV. All 143 units were sold within a month in what the local media dubbed the "Orange Storm."

Not to be outdone by Beijing, Shanghai has its "One City Nine Towns" initiative, with the goal of building nine new suburban towns, each with its own distinct international flavor. Included on the list are Italian Town, German Town, English Town, and North European

Town. Using international designers, each town is intended to be fully functional, and the largest one will hold up to 800,000 residents.

These fake places show how money and the free market help fuel the transformation of Western landscapes into global commodities. As the scale of global exports has grown, perhaps we shouldn't be surprised to see the footprint of neighborhoods and towns added to the mix. But I get a sense of unease when I see the stamp of suburbia being lumped into the same category as a pair of Levi's jeans. The planning and developing of landscapes is bigger and more complicated than that, and can offer so much more than just Western stereotypes.

Of course, we don't have to go overseas to witness such extravagant reproductions. Those in suburbia can simply hop in the car and drive to the closest "lifestyle center," where Ann Taylor, Pottery Barn, and Banana Republic cluster around a "main" street that didn't exist a decade ago. At Santana Row in San Jose, California, you can experience the best of Broadway—not to mention 17 fountains and the linear plaza modeled on Las Ramblas in Barcelona.

Sure, these developments in some instances may provide economic stimulus for struggling towns. Their inclusion provides jobs and increases public amenities. And let's face it, they provide many of us designers with lucrative contracts. So what can designers do to balance the impact of the global market on the development of local spaces?

Rather than cater to location envy, we can try to help clients see what makes their sites places in their own right. Doha, Qatar, is trying hard to integrate new cultural buildings carefully into its urban fabric, including Jean Nouvel's design for the Qatar National Museum. The proposal draws on the forms of local sand roses. Planned near Abu Dhabi International Airport by Foster + Partners is Masdar City, which seeks to be entirely reliant on renewable energy sources. Its design gives equal weight to the vernacular of traditional Arabic structures such as Mashrabiya screens for passive shading and modern technologies such as solar panels. Shanghai's Houtan Park ecologically restores the degraded Huangpu riverfront into a landscape that reconnects people to the area's history. The High Line in New York City successfully adapts ideas from the Promenade Plantée in Paris and converts an unused elevated freight line into a highly popular park.

This highlights the difference between replications, which treat the site as a tabula rasa, and adaptations, which respond to existing features such as disused railway lines. Borrowing ideas is one of the great strengths of our profession. But when borrowing turns into simplistic copying, clients can miss the chance to have a landscape that meets the challenges of its local population and site. What will be interesting to see is whether other cities will build on their existing environments, or thoughtlessly replicate designs from the other side of the globe. ●

GWENETH NEWMAN LEIGH, INTERNATIONAL ASLA, IS A LANDSCAPE ARCHITECT BASED IN CANBERRA, AUSTRALIA.

SITE FURNISHINGS

are **more** than just seats or a place to deposit litter. They need to be **more** than just sleek design.

WE DESIGN, ENGINEER & MANUFACTURE

long-lasting, ergonomic and attractive site furnishings to give your project **more**.



our **49**th year

PT-2 tables, S-42 litter receptacle with optional dome lid and ashtray.
(Victor Stanley installation in London, England)

For an in-depth look at site furnishings and the qualities to look for before specification, schedule a Victor Stanley **Lunch & Learn** at your office.
1.800.368.2573 (USA & Canada) | Tel: 301.855.8300 | Maryland, USA | www.victorstanley.com : Catalog & DVD requests, LEED® info, CAD specs & Images



VICTOR STANLEY, INC.®
-Manufacturers of Quality Site Furnishings since 1962-

PAVESTONE®

CREATING BEAUTIFUL LANDSCAPES™

pavestone.com

[facebook](#)

[twitter](#)

© 2011 Pavestone Company. All Rights Reserved. **PAVESTONE** and Creating Beautiful Landscapes™ are trademarks of the Pavestone Company.

CIRCLE 188 ON READER SERVICE CARD OR GO TO [HTTP://INFO.HOTIMS.COM/34632-188](http://INFO.HOTIMS.COM/34632-188)