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On the cover: This 2,600-sq.ft. carriage house by David Scott Parker Architects complements a 1938 Colonial Revival-style house in Weston, CT. See page 20. *Photo: Durston Saylor*

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The Buying Guides EXTERIORS & GARDENS



Buying Guide Features

The Many Sides of Period Gazebos, by Gordon Bock

The popularity of gazebos has endured for three centuries, and continues to grow with the range of available styles and manufacturing methods.

Exterior Complements, by Hadiya Strasberg

Whether they are standard or custom, gas or electric, exterior lighting fixtures are the finishing 78 touch to any home, and are becoming increasingly energy-efficient.

Buying Guides

In this issue you will find 20 Buying Guides on our issue theme: Exteriors & Gardens. The Guides contain information on suppliers, manufacturers, custom fabricators, artists and artisans, as well as many photographs of their work. The Guides range from Doors & Door Hardware to Sculpture & Garden Ornament. They form a most comprehensive source for professionals working in restoration, renovation and traditionally styled new construction.

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Jay Graham founded Annapolis, MD-based Graham Landscape Architecture in 1984. Many of the firm's projects meet contemporary needs while retaining a nostalgic feel; this Neo-Georgian outbuilding (top), which emulates an English folly, is surrounded with decorative beds that transition into shaded lawns. Above photo: courtesy of Graham Landscape Architecture; top photo: Anne Gummerson

Back to the Land

Graham Landscape Architecture accentuates the built environment while promoting responsible stewardship. By Dan Cooper

nce built, a house does not exist in a vacuum. Whether it is sited in city, country or suburb, its elevations are now contextual with the land. And no matter how brilliant the mind of the architect or the hand of the builder, the resulting structure will be enhanced or compromised by its surrounding environment. It is here that the measure of a landscape architect is taken; can he or she create a setting that will ultimately exceed the sum of its parts? Will they be adept enough to create the illusion of naturally occurring landscapes, without an excess of human intervention? And increasingly, will they be environmentally responsible?

Of course, those involved with preservation and the building trades have experienced emotions that veer from dismay to delight when we have visited a completed project; few things diminish superior architecture more than lumberyard plantings thrust into the soil in an ill-considered manner. This is obviously not a concern when the grounds are entrusted to a skilled landscape architect, such as Graham Landscape Architecture of Annapolis, MD. Jay Graham, who founded Graham Landscape Architecture in 1984, is a University of Virginia alumnus and became a registered landscape architect in 1976. He and his firm are well aware of their role, not only to any given client, but also to history and the land itself. "There are a few mantras we repeat to ourselves," says Graham. "First, that we have two clients – the people who pay for our services and the land. Second, that the best design will have a quality of inevitability – we are of our time. This can refer to the fact that people live differently today than in the past, and also to the need to be responsible stewards of the land."

Looking to the Past

Just as today's architects who are involved with building in traditional styles are mindful of an historic vocabulary when designing projects, so too are landscape architects



In the Hickory Ridge project, the firm departed from a formal arrangement, instead creating an impressionistic landscape. *Photo: Erik Kvalsvik*

Below and below right: At Wye Hall, the front walkway extends from the main portico's entry columns to the shrubbery ringing the lawn; at the naturalistic shorefront, tall grasses conceal a walkway. *Photos: Victoria Cooper* who draw from the past when working on an historically inspired project. Their challenge is to adapt the landscaping preferences and styles of the past to contemporary desires and needs, much the same as any room that has evolved radically over time, such as a kitchen or bathroom. The result must function in a modern manner while retaining a nostalgic impression.

"When we are asked to work with architecture from a particular period in history, or a site that dates to a particular period in history, we look at the philosophy of 'landscape thought' of that period," says Graham, noting that, much the same as a preservation or historical architect studies the surrounding environment, his firm "looks for clues as to how to use those ideas to clarify how people experience the land today."

Graham cites the work of British landscape architect Geoffrey Jellicoe (1900-1996) as influential. "He was a student of history yet was of his time," he says. Again, as with landscapes and buildings, it is this concept of maintaining a respect for tradition without a rote adherence to it that is a guiding principle in Graham's approach to a project.

The Evolving Landscape

Many casual observers are under the impression that the arrangement and species of gardens and landscapes are static and conform to standards dictated long ago, when in truth, they are always evolving in ways both extreme and subtle. A persistent trend in recent years is a movement away from the highly manicured appearance seen earlier in the last century. "For years, people have been





In Potomac, MD, this lawn is framed by a stone stairway and broad, terraced steps. *Photo: Victoria Cooper*

asking for low-maintenance landscapes," says Graham, "and with research and experience, we've realized that the more native plants we use, the closer we come to a low-maintenance landscape. We have accepted the challenge to use natives in both formal and informal ways with success." One such emerging preference is seeking alternatives to the common grasses that comprise many a lawn. "We have been able to add nuance to our landscapes, such as alternatives to turf grass, and this will become a more accepted look in the near future," says Graham. This departure from the accepted norm of turf grass not only lowers the amount of labor involved in maintenance, but also reduces the amount of water and chemicals required in its care.

This eye to the future does not mean that the firm is adverse to the formal Classical arrays favored at the end of the 19th century and earlier. In their Cedar View Farm in Potomac, MD, Graham created a luxurious lawn that is accessed by a stone stairway framed with Classical balusters. Perpendicular to this is a broad set of terraced steps that accommodates the incline from one grade to another. The completed effect of the white masonry against the turfed terrace is striking in its combination of formality and naturalism.

Similarly, Wye Hall's front walkway is a neat arrangement of a long, arrow-straight brick path that emanates from between the main portico's entry columns and cuts through a verdant lawn to a ringed perimeter of shrubbery. Beyond this are rolling fields, and the stark geometry forms the impression of an 18th-century Georgian estate. Interestingly, a far less formal aspect of the Wye Hall project is the landscaping at the shoreline, which was augmented with tall grasses that conceal a pathway in a type of perfected naturalism.

As mentioned on the company's website, one of its guiding tenets is to have their landscapes speak of an "understated elegance and fluency among land forms, plantings and architecture that connect landform and architecture and blend house and gardens." This can be observed in Graham's graceful treatments of transitional areas, often composed of smaller seating areas and gardens that in turn lead to broader, more open areas.

From Building to Landscape

Often, an architect is called upon to design a transitional device between house and grounds, and an enduring solution is to specify the construction of a pergola. This open framework creates an outdoor room that augments both indoor and outdoor environments. "We think a fully developed garden is expressed in alternating layers of planting and architecture," says Graham. "This structure is separate from the house and surrounded by planting – adding a nice complexity to the garden. A pergola serves multiple functions: it offers a place to sit in the shade, it helps us in shaping an outdoor space, and the architectural character of the pergola can give a specific character to the garden."

While many pergolas conform to a rigid Classicism, Graham and his firm played upon this with a poolside pergola they created for a Langley, VA, residence. The structure runs the length of the pool and is incorporated into the masonry walls that sequester the pool from unwanted guests. In lieu of the expected smooth, white columns, the firm specified rough stone pillars with exposed mortar that convey both a look of ancient stonework and a contemporary twist. Coupled with



this, finished stone capitals support the unfinished wood beams. The same stone was used to create the walls of the pool compound, and the overall effect is stately yet organic. On the back wall that supports the beams, white arched areas are centered between each column, mimicking niches found in formal Classical architecture, resulting in a juxtaposition of Classical formality and a rustic interpretation that tempers it.

Another structure that "softens" the transition between the built environment and its grounds is a trellis. The dark brick exterior of Kenwood in Maryland's Montgomery County prompted a series of formalized exterior areas,

The firm often creates transitional areas between houses and grounds with small seating areas and gardens. *Photo: Victoria Cooper*





At this home in Montgomery County, MD, lattice trellises are topped with projecting shelves, creating an organic loggia. *Photo: Victoria Cooper*

and Graham's firm specified a series of lattice trellises topped with projecting "shelves" that span the first floor of the rear elevation. As the vines have matured and spread across these shelves, the simplest trellis has evolved into an organic loggia that shelters the back patio.

In a less formal setting, Graham has designed cottage gardens that are a symphony of colors and shapes that depart from formal arrangements and instead create an impressionistic array. An example of this would be found at the Hickory Ridge project, where there is a formal Georgian brick house accompanied by a smaller, rough stone dwelling that appears to be at least a half-century earlier in origin. Here, the grounds and beds pay tribute to the works and plantings of Gertrude Jekyll, reflecting a brilliant use of the variations of color and texture that flow randomly into each other.

On a far grander note, the poolside surround of Cattail Creek Farm, eschews a casual naturalism for a bold Classical symmetry. Here, a robust stone loggia supports a row of massive columns that overlook the water and seating areas. The

pool itself serves as much to reflect the house's towering elevation as it does to function as a recreational facility. The formality of this area transitions to a more bucolic treatment as gates open onto lush beddings and a sprawling estate, and in these areas, the firm has created that "perfected Naturalism" so reminiscent of the great British country houses that have shaped our collective expectations of an estate.

Architect and Client

As with the design of a dwelling, the responsibility of the attendant landscaping also varies with the amount of client interaction and input. "Each project is slightly different," says Graham. "We listen to the client talk about their program, aspirations and expectations, then we look at the land. When we sense that there is a disconnect between program and land, we try to explain to the client about the land and then see if we can make a fit."

One can well imagine there would indeed be a potential disconnect, as the client might have to conform to the limitations of their property and purse, which may not always match their desire. "This initial exercise of programming, site analysis and concept development is a back-and-forth process that ends with an agreement on direction and priorities," says Graham. "We intend to involve our clients in the process, and clearly, different people bring their own life experiences, and that tends to modify the process. We do our best work when the client trusts us yet also feels a part of the experience of bringing this new landscape to life."

Spanning more than three decades, Graham's career has provided him with a rich sense of satisfaction. "The rewards are many," he says, "from hearing people's responses to designs we have completed while expanding their idea of what is possible to seeing something physical come to life and then to realize it all came from your head. Another reward is seeing a piece of land come back to health once we have implemented a stewardship plan."



In Langley, VA, Graham specified rough stone pillars with exposed mortar for an ancient look with a contemporary twist. Photo: Allen Russ

RECENT PROJECT NEW DESIGN & CONSTRUCTION

Classical Language

A Palladian-inspired villa rises in the Hudson Valley.



Left: On the north façade, the half-round form of the breakfast room joins the two sides of the house like a hyphen. The chimneys from the east and west have been merged to create a sculptural effect. *All photos:* © 2010 Jonathan Wallen, www.jonathanwallen.com

Previous page: Designed by Peter Pennoyer Architects, Drumlin Hall in Pine Plains, NY, is a 7,500-sq.ft. square Palladian villa.

et amid the rustic woods of the Hudson River Valley, Drumlin Hall looks as though it were painted into the landscape, stone by stone, by a 19th-century artist. That's no accident. The square Palladian villa was designed to house an exquisite collection of Federal furniture and Hudson River School paintings.

"Our client said that she wanted something that looked like an imaginary collaboration between Robert Adam and Duncan Phyfe," says architect Peter Pennoyer of New York, NY-based Peter Pennoyer Architects. "Nobody had ever asked us for this."

When Pennoyer, design director Gregory Gilmartin and partnerin-charge Thomas P.R. Nugent entered the picture, the collector had been clearing the 150 acres of Pine Plains, NY, property in Dutchess County for nearly two years. "She is an astute collector of 19thcentury American paintings, especially landscapes, and she saw this

Project: Drumlin Hall, Pine Plains, NY

Architect: Peter Pennoyer Architects, New York, NY; Peter Pennoyer, principal; Thomas P.R. Nugent, partner in charge; Gregory Gilmartin, design director landscape through their artists' eyes," says Pennoyer. "She so deeply felt the architecture and landscape."

Drumlin Hall, which gets its poetic name from the surrounding drumlins (diminutive hills formed by glacial deposits) was carefully sited in the saddle between open meadows and an enclosed valley. "We walked the property on three occasions and staked it out," says Pennoyer, adding

that the landscape is one of rolling hills, pastures and horse paddocks. "People often want to build on the highest point, but in this case the lower elevation has much more impact. The meadows are on the arrival side, and it's screened from behind."

Siting the house was one of the bigger challenges of the project, according to Pennoyer. "It would have been easier if there had been 150 flat acres," he says, adding that the landscape was fully mature, thanks to the groundwork the homeowner had done. "But we didn't jump the gun; this was a critical early decision. The house is right where it belongs."

Each façade of the 7,500-sq.ft. buff sandstone house was designed to be a beautiful Classical complement to the views. The south opens to open pastures; the north is enclosed by a hidden valley; the east features a sharp bank to a gurgling stream; and the west melds with a woodland garden. "The design had to work from every angle," Pennoyer says. "All is tightly organized around a central east-to-west axis. The idea was to keep everything taut and sober and to exploit the potential beauties of geometries."

The two-level house, which has a granite base and a natural slate roof, is reached via a stone bridge that traverses the stream. A portecochere centers the entrance, which is on the west. Bas-relief cornucopias, requested by the collector because they are a dominant theme in 19th-century American paintings, decorate the lunettes above the trio of French doors on the pedimented south façade.



The sweeping central staircase plays against the classic lines of the vaulted ceiling. The wrought-iron banister, which features eagles, pinecones and swags, was inspired by that of Cheekwood, an historic house in Nashville, TN. The classic rosettes at the top of the arch are counterpoints to the capitals' stars, which reference the owner's Texas background.



The door to the drawing room is quintessentially Classical: Its pediment, which features standing anthemia, is framed by Texas stars. The Federal furniture's red and gold upholstery is an historic reproduction and is the same fabric that the Met is using in an exhibit on Duncan Phyfe.

On the east side, a semicircular porch radiates out from a plinth. "It looks down over the stream; you can look at the rushing water," says Pennoyer. "And when you open the mahogany-framed windows, you can hear it. That's my idea of heaven."

The north elevation, which Pennoyer describes as being more "romantic in character and heroic in scale," is his favorite. "Its severe wings contrast with the columned bay of the breakfast room, and a massive chimney rises up through the roofs," he says. "The center of the house pulls back, and the chimney joins into a great sculptural form."

Inside, the public rooms are arranged around a groin-vaulted hall that frames a cylindrical stair. The 12- to 14-ft.-high walls serve as a gallery for the homeowner's art collection. "The idea was to build a house to provide places for the pictures she most treasures," says Pennoyer. "The ceilings are high enough for the art, but not too high, so the scale remains modest. We played with the placement of the paintings on our architectural drawings until we got it right. That's not something that many people do."

The lower level includes a drawing room, dining room, breakfast room, library and gun/hunting/riding room. Throughout, the owner worked closely with interior designer Thomas Jayne, known for his historically-based interiors, to create rooms that reinforce the Classical nature of the house.

Although the house is grounded in history, Pennoyer notes that it was not designed to be a museum piece. "The delicate details give a



The second-floor stair hall is illuminated by a handkerchief dome that provides natural light for the homeowner's collection of 19th-century paintings. A statue of George Washington is in the niche above the doorway.

feminine sensibility to the interior," he says. "Its moldings and forms have a lighter hand, and the house has a pared-down look with a more open layout. We made no attempt to distress any of the interior finishes, but we did use traditional graining and faux-painting techniques."

The traditional-style wood-paneled library, for example, puts its books inside small, domed recesses on each side of a central fireplace. Their forms hint at a rich history. The dome's robust lines are highlighted by the slim shimmer of gilded moldings – a Thomas Jayne touch. A more modern amenity – a wet bar with flip-down panels for serving drinks – is concealed behind the chimney breast. "It's an intimate space, and light floods into the room from every direction," says Pennoyer. "The gilded moldings on the domes really define them."

The drawing room, the most heavily ornamented space in the house, is the most prominent example of the new-old look. Like all the public rooms, it has Greek Revival door casings and pediments carved with standing anthemia. The Federal furniture, upholstered in red and gold, has light, simple lines. The feel is crisp and clean, not overly ostentatious.

"Perhaps the most surprising thing to the homeowner and to me was that as the details went in, they enhanced the proportions of the rooms, transforming them into comfortable living spaces," says Pennoyer.

A sweeping spiral staircase leads to the second floor, which houses the four bedrooms under its vaulted ceiling. Its undulating wroughtiron railing, decorated with pinecones, swags and American eagles



In the library, books are housed in cases behind the fireplace. The double domes are defined by delicate gilded moldings; the wet bar is located in the back of the chimney breast.

majestically standing at attention with unfurled wings, was inspired by that of Cheekwood, an 18th-century-style historic mansion that was built in Nashville in the 1930s. "The homeowner is from Texas, so we used a star motif throughout the house in honor of her heritage," says Pennoyer. "It makes the house singular to the client."

The upper level's handkerchief dome provides dramatic interest – and natural, even illumination for the homeowner's paintings. "She loves this part of the house even though it doesn't have any function," says Pennoyer. "The dome, which looks as light as a handkerchief, gives an airy yet classic look. She uses traditional picture lights, so there are no holes in the ceiling for lights."

The materials, too, distinguish Drumlin Hall. The sandstone was imported from and carved in China, and the upholstery on the drawing room furniture is an historic reproduction that the Metropolitan Museum of Art selected for an exhibit on Duncan Phyfe. Stone for the project was supplied by Rhodes Architecture Stone of Seattle, WA. Other suppliers included: Architectural Iron of Milford, PA; Artistic Doors & Windows of Avenel, NJ; Ketonah Architectural Hardware of Cornwall Bridge, CT; and New York, NY-based E.R. Butler & Co.

Pennoyer credits the successful design of the house to the "sophisticated vision" of the homeowner, who longed to create a residence that would stand the test of time. "Our team has been working together for 20 years," he says. "We've been training our entire careers to do this house.

"It's unusual to find this very happy juncture of furniture and art and the building itself. It feels utterly harmonious." All in all, Pennoyer says the Hudson River Valley house is picture-perfect: "It's a representation of someone sitting back and looking back at the landscape with a scientific and an artistic eye."

Now, all the owner has to do is commission an artist to paint it for posterity. – *Nancy A. Ruhling*

Nancy A. Ruhling is a New York City-based freelance writer and Huffington Post blogger.

On the south façade, bas-relief cornucopias were carved on the blind arches above the French doors. The owner has a collection of 19th-century Hudson River School paintings, which commonly use them as motifs.







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RECENT PROJECT RESTORATION & RENOVATION

Summer Ensemble

The restoration and renovation of a Talbot County, MD, property creates a family-oriented 21st-century retreat.

n 1929, a clapboard two-and-a-half-story, five-bay Colonial Revival house was built along the Miles River in Talbot Country, MD. It was joined by a curving breezeway to an existing late-18th century one-anda-half-story, three-bay brick house, set upon 200 acres with views of the river in several directions. Eighty years later, Neumann Lewis Buchanan Architects (NLB) of Washington, DC, has restored and renovated the buildings, reversing years of weathering and minimal maintenance and updating the property for use as a weekend and holiday retreat for a couple with three young children.

The clients' principal goals were to make the house more family-friendly, to open up its riverfront façade to take advantage of the views, and to renovate the earlier structure for use as a

guesthouse. The two buildings each posed specific challenges for the firm; while the later structure remained sound, a host of drainage problems had made the earlier house uninhabitable. "The main house was well built to begin with, with fine materials and high quality construction," says David Neumann, AIA, principal at NLB. "It was absolutely rock solid, but it was also designed for a different era. The guesthouse was probably built by amateurs. It was cobbled together, and had been altered at some point. Structurally, it was in dubious condition. It was really a slightly built structure, and couldn't tolerate the neglect that it had gotten."

Project: Residence, Talbot County, MD

Architect: Neumann Lewis Buchanan Architects, Washington, DC; David E. Neumann, AIA, principal in charge; Mehrdad K. Rahbar, AIA, project architect; Cory R. Roffelsen, AIA, project architect

CONTRACTORS: WINCHESTER CONSTRUCTION COMPANY, MILLERSVILLE, MD; FRANK E. DAFFIN, INC., TALBOT COUNTY, MD

The main house was originally configured to accommodate live-in staff, with bedrooms for two servants and a kitchen set at the rear, away from the river. To accommodate more open spaces, the firm added approximately 150 sq.ft. in total, at each end of the five-part house. In the east wing, interior partition walls that once formed part of the servants' staircase, butler's pantry and other small rooms were removed on both levels. The revised plan allowed for a generous kitchen, breakfast room and family room, all of which are loosely connected for panoramic views of the river. "Life is quite different to how it was then," says Neumann. "The owner's primary use of this house is now taking place in a family room/breakfast room/kitchen. These are defined rooms, but sufficiently open to each other that family life - which is no longer sepa-

rated from function – can be accommodated." On the second level, the new east wing houses a children's playroom, bedroom suite and laundry room.

Though the central section, west wing and connecting hyphen remain largely as originally laid out, the firm made several discreet modifications to bring them up to date. The master bath and dressing areas were rearranged, and a new door connects the library to an adjacent office to the north and a new sitting room bay to the south. Much of the noticeable work in these areas was decorative – secured and skimmed plaster ceilings, stripped and repainted woodwork and

Top: This 1929 clapboard two-and-a-half-story, five-bay Colonial Revival house and adjoining late-18th-century brick house in Talbot County, MD, were restored by Neumann Lewis Buchanan Architects of Washington, DC. Situated along the Miles River, with views in every direction, the property is now an ideal weekend and holiday retreat for the clients and their children. *All photos: Gordon Beall*





The guesthouse is visible to the left of the front walkway, close to a new garden shed that screens the parking/basketball area.

Left: To encourage family activities, the pool was moved away from the library and closer to the new kitchen, breakfast and family areas in the east wing. The firm also relocated the driveway from the north façade and created a guest parking area adjacent to the guesthouse. Site plan: courtesy of Neumann Lewis Buchanan Architect

refinished floors. Millwork, moldings and wood grilles were manufactured by Ivan C. Dutterer of Hanover, PA, while Wood Floor Specialist of Felton, DE, refinished the floors. "The house had some truly wonderful elements," says Neumann. "At one level it was simply decorative – this quality of space existed in the house, to a degree, to begin with. It was the repair of plaster, integrating systems and lighting, making the house comfortable and functional. But some of it entailed certainly more than that, and required an ability to see what it could become."

The house had undergone some unfortunate alterations since 1929, most notably the enclosure of its grand riverfront veranda. Additionally, a wood stove and brick chimney had been added to the breakfast room, and a Chippendale railing had been removed from the veranda roof edge. Fortunately, these were easily reversed, to great aesthetic benefit. "This monumental porch serves a very lovely purpose – it's the big front of the house that one sees from a distance when traveling on the river," says Neumann. "When it was screened in, all of this shadow and detail were greatly diminished and the impression was of a small modern building, with glass panels and skinny columns. It was one of the most obvious changes to reverse."

While the potential of the main house was clear from the beginning, the guesthouse provided far less to work with and was structurally perilous. Poor drainage and grading had allowed water to penetrate the brickwork, causing the foundation to fail and the bearing ends of the joists to rot, with the floor sagging as much as one foot in places. Water had also penetrated the deteriorated mortar joints, causing the original jack arch lintels to fail. They had been inappropriately replaced with steel angles and running-bond joinery.



In the east wing of the main house, the kitchen and breakfast room allow the kitchen to be the main hub of family life; it connects to family rooms and to an adjoining dining terrace.



Throughout the main house – as shown in the dining room – plaster ceilings were secured and skimmed, woodwork was stripped and repainted and floors were refinished.

Owing to the guesthouse's poor condition, much of the renovation focused on securing the envelope, with only minor changes made to the interior to accommodate the guesthouse program. The structure was underpinned, and its floor framing members were replaced or sistered where required. On the exterior, new jack arches were fabricated for the masonry openings and the entire house was re-pointed (brick was supplied by The Redland Brick Company of Williamsport, MD). New custom wood windows by Marvin Windows and Doors replaced all existing metal storms, mid-20th-century windows and

formerly bricked-up openings. Chimney flues were lined and made operational. "While the guesthouse is approximately 1,500 sq.ft., on a per-sq.ft. basis it was a bigger, more time-consuming project," says Neumann. "There was nothing salvageable – no plumbing, heating, wiring – just a tiny bit of flooring. As is frequently the case in an urban context, but less usual in the country, the building was carefully braced while virtually everything within the shell was rebuilt."

Despite appearances, the guesthouse was not the first building to be constructed on the site. The grant for the farmland dates from the late-17th century, predating the guesthouse by at least a century, and the firm found remnants of old driveways on the grounds and evidence that the grading had been altered over time. Following the latest revisions, the firm relocated the driveway from the north façade and created a guest parking area adjacent to the guesthouse. In keeping with the main house's family-oriented theme, the pool was moved closer to the kitchen, and supported by a new pool house, as well as nearby basketball and volleyball areas. "The pool was in an odd position on the site," says Neumann. "It was at the formal end of the house, near the library, and not supported by any of the internal activities in the house. When the kitchen, breakfast and family areas in the east wing were complete, we immediately lobbied for repositioning the pool and joining some of the outdoor and family activities together."

The renovated buildings, an ensemble of sympathetically designed outbuildings, and the site improvements all serve to give Lombardy the appearance of a cherished property that has been refreshed. With subtlety, Neumann Lewis Buchanan Architects has brought the property into the 21st century and ensured its survival and relevance for years to come. – *Lynne Lavelle*



The new pool house supports outdoor activities and provides additional screening of the newly added parking area.



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Redefining the Barn

A new carriage house in Connecticut serves a variety of uses.

Project: Carriage House, Weston, CT

Architect: David Scott Parker Architects, LLC, Southport, CT; David Scott Parker, principal; Luis Almeida, senior associate

CONTRACTOR: GAINES CONSTRUCTION COMPANY, INC., EASTON, CT

Landscape Architect: Memrie Lewis Landscape Design, Greenwich, CT

Interior Designer: DHDesign, New Canaan, CT urrounded by the Aspetuck River to the north and over 1,700 acres of the Devil's Den Preserve to the west, the picturesque town of Weston is nestled in the bucolic hills of Connecticut's Fairfield County. Despite its close proximity to New York City, Weston's development into an industrial hub was hampered by the absence of a railroad. As a result, between the Civil War and Great Depression the town's population dropped significantly. While bad for business, the location was ideal for residential neighborhoods, appealing to affluent New Yorkers who wanted to escape the bustle of the city. By the 1930s, the quaint town was home to artists, actors and writers including Eva Le Gallienne, Bette Davis and James Thurber.

Unlike neighboring towns, such as Fairfield and New Canaan, with their diverse array of traditional architectural styles, Weston's homes are predominantly Colonial Revival. In 1938, Cameron Clark, a notable local architect best know for his restoration of Fairfield's town hall, designed a Colonial Revival-style home with delicate Federal details on a large hilly estate. In the winter of 2006, its owners hired Southport, CT-based David Scott Parker Architects to design a carriage house to supplement their two-bay garage as well as provide additional space for an office retreat, gym, spa and changing rooms for the nearby pool and tennis court.

"The clients wanted to get rid of the automobiles that ended up being parked at the back of the house," says David Scott Parker, principal. "They didn't want this new garage building to overwhelm the main house. Also, there was the question of how to site it because they didn't want it to look like they were driving up to a six-car garage. The decision was made to make it look like an outbuilding. We didn't want

David Scott Parker Architects of Fairfield, CT, modified the bank-barn prototype to design a 2,600-sq.ft. carriage house that complements a 1938 Colonial Revival-style home designed by notable local architect Cameron Clark. All photos: Durston Saylor



The carriage house was sited on axis with the garage wing of the main house as well as a tennis court and a pool, so that it could address different programmatic goals. Site plan: courtesy of David Scott Parker Architects

Right: A terrace and pergola on the south façade doubles as a cabana for the nearby pool.

to copy the existing house, which meant changing the typology of the building. I've worked on a number of barns and we had the idea of using an existing embankment to nestle a barn into the site."

Utilizing a hill behind the garage wing of the main house, Parker sited a bank-barn prototype building to be on axis with not only the existing garage to the west, but also a pool to the south and an adjacent tennis court. "The form came to the U.S. in the early 1700s," says Parker. "It evolved and became quite prevalent in the first and second quarter of the 19th century. The lower level is always built with masonry and would have housed the stables; the upper floor has a ramp leading up to it. Historically, a wagon would go up the ramp to the upper level where the hay and wheat were offloaded and stored."

The combination of a gambrel roof form and masonry fieldstone base diminishes the looming size of the 2,600-sq.ft. carriage house. The mortar color was selected to resemble stonework found on buildings from the 1920s and '30s. Roof and siding shingles similar to those on the main house were used to visually connect the two structures. Parker also modified the barn form by designing each façade to serve a specific function relating to the site. The lower level, which would have been the stables, was redesigned with four garage bays and two additional parking spaces at the rear.

"The idea was that you'd have a slightly different impression of the building depending on the direction from which you were approaching it," says Parker. "The garage elevation has the appearance of a carriage house. There is a flaring roof on the approach side, which was a detail that came from an outbuilding designed by Cameron Clark. The garage doors break the line of the façade and pull it forward to meet a courtyard. This side also has more formal doghouse-type dormers, whereas the rear wing has shed dormers."

Garage doors, manufactured by the Maine Door Company of York, ME, are a variation of those on the main house. Designed to look like traditional carriage doors, the arch-top double doors open overhead and roll up in quarter segments, opening up on a courtyard that separates the carriage house and the main house. Drawing inspiration from existing dry-laid stonewalls on the property, a large antique millstone was laid at the center of the courtyard's "X" design. River rocks were used to create troughs that form the pattern and perimeter of the courtyard.

The south elevation carries a slightly more formal aspect of the design. Mahogany was used to create a pergola that doubles as a

Right: The design team inspected each reclaimed white-oak timber and chestnut floorboard to ensure a well-worn appearance that complements the rustic interior; custom hand-forged iron door hinges and latches were used throughout the house.







A fieldstone fireplace that mirrors the exterior's stone base is the focal point of the office retreat.

cabana for the pool. "It was intentional that the wood was not so heavy-handed because it's supposed to feel delicate and defined for the pool," says Parker. Picking up details from the main house, Tuscan columns support the pergola and a circular window was installed on the gable. Large expanses of windows and glass doors, by Warroad, MN-based Marvin Windows and Doors, were implemented on the south façade. There were also concerns of preserving an existing maple tree on the east side of the pergola. "Great pains were taken to root-prune and feed the tree, in order to minimize damage to its root structure," says Parker. "Preserving the tree meant that we couldn't change the grade in that location, which established the floor elevation of the pergola."

On the east façade, an earthen ramp creates a direct path from the tennis court to the second floor, where the changing room and spa are located. A vestibule leads to the office retreat and the adjacent gym – relocated from the dark basement of the main house.

Reclaimed timbers, supplied by Pine Plains, NY-based Antique & Vintage Woods of America, along with trim by Good Earth Millworks of Ridgefield, CT, were used throughout the second floor to achieve a rustic appearance. "The clients did not want this to look new and there was this anxiety that it would look like it was built yesterday," says Parker. "The woods used were all reclaimed timbers. Working with us, the client inspected every floor board and selected where those were going to be positioned as well as the timbers throughout the upper level.

"The clients were eager not to waste attic or eave space. In the gym and the study, the knee braces that hold up purlins are actually doors on pivot hinges. The pegs that look like they are holding the mortise and tenon together are knobs that are used to pull them



Above: The gym – relocated from the dark basement in the main house – now overlooks large south-facing windows with a view of the property's dense foliage.

Below: The changing room is designed with understated built-in storage and shelving units that are consistent with the barn-like quality of the carriage house.



open. All of these eave spaces are storage." The custom designed iron pegs, door hinges and latches were hand forged by metal experts at Kayne & Son of Candler, NC.

Completed in October of 2008, the project redefines a barn form for modern usage while maintaining a traditional appearance. "I was very pleased and satisfied with the way the project came out," says Parker. "The building didn't have the curse of newness. It has the casual character that we'd hoped would be possible given the program and setting." – Annabel Hsin

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The Many Sides of Period Gazebos

Available in all shapes and sizes, today's gazebos can fit just about any application. By Gordon Bock

hy does the landscape for a period house seem so much more natural, spatial and comfortable when it's graced by another house – albeit one a bit whimsical? Whether you call them kiosks, summer houses or just covered seats, the cyclical taste for gazebos has brought them orbiting in and out of lawns and grounds for over 300 years, and judging by the lively industry of suppliers today, their most recent popularity is still on the rise.

By all accounts, the current affair with gazebos started only about 30 years ago. Though the 1960s and '70s saw interest in historic buildings of all kinds grow from a spark to a smoldering fire, prior to 1980 if you wanted a gazebo you were probably looking at building it yourself – maybe with help from a mail-order plan or, on the high end, an architect. A few short years later, though, that picture had changed with the advent of gazebos in prefabricated form.

Market Shifts

The appeal of a blossoming niche and a better means to serve it attracted some entrepreneurs from widely differing backgrounds to create a brand new industry. Dalton Pavilions of Telford, PA, for example, began as a manufacturer of more utilitarian structures. "When my father started the company, we focused on sheds, garden barns, and the like," recalls Jerry Dalton. "But just about the time that market was getting crowded in the Philadelphia area, the trend for gazebos started to appear, and we saw a natural opportunity to move beyond sheds." As a result, Dalton now sells not just locally but around the country, following an increased interest in gardens and outdoor entertaining.

A market shift of another sort is the source of Limestone Trail in Beamsville, Ontario, Canada. After spending years in the boat-building industry, Stewart Jones changed course in 1988 to gazebos because, he says, "I enjoyed the detailed design required by boats, as well as the marketing aspects, and gazebos were a natural transition." Jones notes that one of Limestone Trail's first designers came from the boatbuilding industry too because he was good at small, complex, interior spaces.

From yet another direction came Christopher Peeples of Vixen Hill in Elverson, PA. As Peeples tells it, "Fresh out of college with a science and engineering degree, but slim job prospects, I decided to combine my precision-minded skills with a love of woodworking, so I wrote a program for the construction of a gazebo." Once he and his business partner had the prototype finished, they moved it out of their Valley Forge woodshop to the side of an old country road as a place to break for coffee. "We really had no idea if

there was a market for our gazebo," says Peeples, "but, as luck would have it, people would stop and say, 'We've been looking for something like this!' so a business was born."

Through the Ages

The search for "something like this" begs the question of what exactly is a gazebo. Opinions vary, even today, but Andrew Jackson Downing, America's first popular tastemaker, may have put it best when referred to them as structures that "unite house and grounds." The gazebo concept has its origins in the 17th and 18th century, when no proper European estate would be without a monument, tower, cottage, grotto or fake ruin or two – landscape focal points with architectural as well as spatial resonance. By the 1870s, American landscape authority Shirley Hibberd noted the



This glass-enclosed gazebo from Limestone Trail was produced in western red cedar. *Photo: courtesy of Limestone Trail*

practical value of small, roofed, open-walled seats because "the grander the garden, the greater the need for places of retirement."

Writing in the 1840s, Downing felt strongly that gazebos came in two basic forms: architectural – that is, of a recognized style or idiom (which he suggested could be "Grecian, Gothic, or other forms"); and rustic, where the structure is built out of actual tree limbs and trunks left in their natural state. To this list history adds Eastern/exotic – that is, a gazebo that incorporates motif from the orient or Middle East, such as ogee arches or curving roofs, all of which have been popular in times past to emulate Turkish tents or Japanese teahouses.

The gazebos in today's market do their best to evoke history – often by incorporating the most widely used 19th-century elements, such as chamfered posts or sawn balusters – while also staying in

> step with modern needs and building codes. That is not to say that aesthetics aren't a primary driver of design. "For our customers, the details have got to be 'bang-on,'" says Jacobs, noting that while the nuances of interiors and upclose finishes are important, that's only one aspect of a gazebo's appeal. "It's got to be something attractive to look at in the dead of winter, and when you're 20 ft. or more away, it's the roof slope, the width of the posts, and the proportions of the structure that are what you see."

Prefab Options

Compared with building a detailed gazebo from scratch, or sliding a watered-down version off the back of a truck, the pre-engineering of unconventional, highly ornamental structures that can be shipped to distant sites for swift assembly is no small part of what these companies are selling. In fact,



The 15-ft. Williamsburg Gazebo from Dalton Pavilions is available with or without screening. Photo: courtesy of Dalton Pavilions



The 12-ft. Victorian gazebo from Vixen Hill is available with a copper of cedar shingle roof. *Photo: courtesy of Vixen Hill*
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it can be the origin of the business. "One of the reasons we designed our gazebo to be assembled from interchangeable sections is that it was the only way we could get the first model out of the 1790s barn where we made it," says Peebles. "Back when Courtyard by Marriott began and they specified some of our gazebos, we realized it would be tricky to ship a pie-shaped roof section on a tractor-trailer. To solve the problem, we came up with a two-tiered roof that shipped in two pieces."

Prefabrication is meant to benefit the end user as well. "We strive to minimize the amount of work needed at the site by doing as much detail work as possible in the factory," says Dalton. Roofs, for example, are constructed in bolt-together sections that are shipped already partially shingled. Jones takes a similar approach with gazebos that are about 80% complete when they arrive and engineered to be assembled by someone capable of handling a pneumatic impact wrench. "This is especially appealing for export sales," he says, "because it limits the need to deal with issues like lumber dimensions or sourcing additional materials."

In the early days, gazebos were usually erected by the end-user - typically homeowners - but since the size of gazebos offered has grown along with their sophistication, the market has gotten more "professional." Jones, for example, reports that 40% of his business is now to architects, contractors and specifiers, with 60% being consumers. Dalton says that his company deals with very few individuals or end-users; the orders mostly come though architects and landscape professionals. Though bigger gazebos and pavilions may assemble in the same manner as smaller units, they are often put together by contractors - in part because over a certain size municipalities require permanent foundations. "We encourage buyers of all units 9-30 ft. in dia. to consider permanent foundations, as all of our gazebos are designed to last," says Peeples. In these orders, all three manufacturers are there to help with drawings and specs for tube foundations or engineered pads.

Recent Trends

While gazebos may have found their first wave of modern popularity as fair-weather shelters from



This screened 11x15-ft. garden house was fabricated by Vixen Hill. Photo: courtesy of Vixen Hill

sun and sprinkle while eating or entertaining, times and tastes have moved on and the industry has moved with them. "At first, we didn't make any attempt to keep out insects or add screening," says Peeples, "but once we got a call from Edwards Air Force Base for such a unit, we changed our thinking." The base wanted a closed-in gazebo for media interviews, leading Vixen Hill to come up with a system that could also accommodate screen frames as well as wood or glass panels (featured in their Garden House line).

Dalton makes some interesting observations on the market side. "Where there is a growing trend, as in gazebos," he says, "there is always a drive by some suppliers to reduce the complexity or number of products, and simplify production." As more players offered off-the-rack, dumbeddown gazebos, however, Dalton found richer turf in the opposite direction. "Our trend has been to move away from mass-production," he says, "and that has led us to more customized products, such as our Heritage line." He adds that after selling basically stock gazebos for their first 15 years, as much as half of the Dalton Pavilion business is standard designs that are essentially tailored to the purchasers specs.

Another 21st-century trend manufacturers are following is the call for bigger gazebos – what some companies call pavilions – in sizes as large as 30x50 ft. "It's not only a less competitive market for us," says Dalton, "but larger units also allow for more creative possibilities." Jones also agrees on the growth in enclosed

gazebos, such as his Glass House line, as people seek a multi-season use. In these cases, he sees people creating a den atmosphere by bringing in more upholstered furniture and adding amenities, such as a gas fireplaces for heating. "In some cases they're totally wired for communications to function as an outdoor office," he adds.

Multi-story Gazebos

When asked about his most interesting order, Jones replies that he meets "some very intriguing people," and, the more they want their gazebo integrated with their house – to the point of actually attaching it – the more involved they are. For example, one Limestone Trail client, a family with a property north of Toronto, had a large post-and-beam house



This 13-ft. Victorian-style pagoda from Dalton Pavilions sits in the garden at the Tavern on the Green Restaurant in New York City. Photo: courtesy of Dalton Pavilions



Octagon designs from Limestone Trail are available in three sizes. Photo: courtesy of Limestone Trail

where every room was finished with a different wood species. "They liked the gazebo because it fitted this timber motif," says Jones, "and they installed it cantilevered over a trout pond that was beside the house."

Dalton Pavilions, Limestone Trail and Vixen Hill all do business across North America, with frequent orders from foreign countries and overseas and this too gives rise to some interesting projects. Peeples recalls an order from the royal family in Saudi Arabia. "They wanted all the parts sent to the Middle East," he notes. "The trick was, nothing could be longer than 30 in., the maximum capacity of the cargo bay. Since they wanted to save the three weeks needed for ocean freight, all the parts were packed in a nose-load 747 and shipped by air." That's surely one measure of how far gazebos can go towards uniting house and garden. ■

Gordon Bock, longtime editor of Old-House Journal, is a writer, architectural historian, lecturer and technical consultant who comments on historic buildings at www. bocktalk.com.



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The 16-ft. Heritage Bell pavilion from Dalton Pavilions features a faux-slate roof and cupola.

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Manufacturer of wood screen & storm doors: more than 300 styles; custom sizes, several wood types & multiple finishes; arch tops, dog doors, wood window screens & storm windows. Click on No. 9600



This Victorian-style screen door was custom manufactured by Coppa Woodworking.

E.R. Butler & Co.

212-925-3565; Fax: 212-925-3305 www.erbutler.com New York, NY 10012

Manufacturer of Early American door, window & furniture hardware: 19th-century shell-shanked crystal, porcelain & wood trimmings; brass, bronze, nickel-silver & wrought iron; customplated & -patinated finishes; restoration work. **Click on No. 2260**



E.R. Butler's extensive collection includes French door hardware.





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612-617-0446; Fax: Same as phone www.erikwyckoffartworks.com Minneapolis, MN 55413

Custom designer & fabricator of hand-carved architectural woodwork: original entry, interior & wine-cellar doors; most wood species. Click on No. 298



Erik Wykoff Artworks designed and hand carved this door.

Grabill Windows & Doors

810-798-2817; Fax: 810-798-2809 www.grabillwindow.com Almont, MI 48003

Custom manufacturer of all-wood, bronze- or aluminum-clad windows & doors: casements, tiltturn, European in-swing & historically accurate double-hung windows; lift-slide, pivot & bi-fold doors; Grabill Green sustainability initiatives. Click on No. 1910

Hamilton Sinkler 866-900-3326 www.hamiltonsinkler.com New York, NY 10016

Manufacturer of decorative registers & vents, door hardware, cabinet hardware & other accessories: brass, bronze & nickel; custom work. Click on No. 1618



The cast-bronze Jefferson lever is handcrafted by Hamilton Sinkler.

HeartWood Fine Windows & Doors

585-254-8191; Fax: 585-254-1760 www.heartwoodwindowsanddoors.com Rochester, NY 14606

Manufacturer of custom architectural wood windows & doors: made from Honduras mahogany & other species; traditional mortise-&-tenon construction; standard & decorative glazing; 60-yearold company. Click on No. 1541

Historic Doors

610-756-6187; Fax: 610-756-6171 www.historicdoors.com Kempton, PA 19529

Custom manufacturer of wood doors: circular casings & moldings; restoration & period-style construction; garage doors. Click on No. 3570

Historical Arts & Casting, Inc.

800-225-1414; Fax: 801-280-2493 www.historicalarts.com West Jordan, UT 84081

Designer & custom fabricator of ornamental metalwork: benches, columns, balustrades, lighting, gazebos, fencing, grilles, doors, windows, skylights, finials & more; cast iron, bronze, aluminum & wrought iron/steel; many styles; restoration services.

Click on No. 1210



This 11-ft. custom bronze door was manufactured by Historical Arts & Casting with a patina formulated to age gracefully in any climate.

House of Antique Hardware

888-265-1038; Fax: 503-233-1312 www.houseofantiquehardware.com Portland, OR 97232

Supplier of door, window, cabinet, furniture, electrical & bath hardware: original antique & vintage reproductions; Federal, Victorian & Arts & Crafts styles; hardware specialists available to assist with renovation projects. Click on No. 339



This traditional door set and steeple-tip door hinge are available from House of Antique Hardware in nine finishes.

Hull Historical Millwork

817-332-1495; Fax: 817-332-1496 www.hullhistorical.com Fort Worth, TX 76104 Designer & builder of historically accurate architectural interiors: English, French, Georgian, Federal, Victorian & Arts & Crafts interiors; doors, moldings, stairs, cabinetry, paneled walls & mantels. Click on No. 3016

Kayne & Son Custom Hardware

828-667-8868; Fax: 828-665-8303 www.customforgedhardware.com Candler, NC 28715 Custom fabricator of door, barn, garage, gate, furniture, cabinet, shutter & window hardware: hand-forged steel, copper & bronze or cast

bronze; repair, restoration & reproduction work; fireplace equipment; catalog \$5. Call for more information.



This wroughtiron door pull was hand forged by Kayne & Son.









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Manufacturer of all-wood & clad-wood windows & doors: round top, oval, casement & double hung; custom shapes & historic window replication; dual durometer, bulb & leaf weather stripping; storm windows; numerous design choices & glazing options. **Click on No. 1611**

The Ultimate Outswing French Door is one of many traditionally styled doors available from Marvin.

Parrett Windows & Doors

800-541-9527; Fax: 877-238-2452 www.parrettwindows.com

Dorchester, WI 54425

Manufacturer of custom wood & aluminum-clad windows: any geometric shape, numerous wood species & complete finishing capabilities; historical replications; custom wood doors in numerous species with complete finishing options; screen doors, casings & moldings. Click on No. 3003



Parrett Windows & Doors built this custom door to match historical specifications.

Phantom Screens

888-742-6866; Fax: 604-855-7834 www.phantomscreens.com Sumas, WA 98295

Manufacturer of retractable screens for windows, doors & large openings: shutters & hardware.



This retractable door screen is available from Phantom Screens.

Phelps Co.

802-257-4314; Fax: 802-258-2270 www.phelpscompany.com Brattleboro, VT 05301

Manufacturer & designer of traditional, hotforged solid-brass window hardware: sash pulleys, weights, chains & cords, sash locks & lifts, casement stays & fasteners, storm/screen hangers, bronze screen wire & screen-door latch sets. Click on No. 6001



The model #SCL82 screen-door latch set from Phelps is hot-forged and precision-machined from solid brass.

Reilly Windows & Doors

631-208-0710; Fax: 631-208-0711 www.reillywoodworks.com Calverton, NY 11933

Manufacturer & installer of custom wood windows, doors & shutters: can be designed to meet any ASTM impact requirement; wide selection of wood, finish & hardware options. Click on No. 9210

Rejuvenation

888-401-1900; Fax: 800-526-7329 www.rejuvenation.com Portland, OR 97210

Manufacturer of period-style lighting & hardware: door, bath, window & cabinet hardware; Victorian, Colonial Revival, Neoclassical, Arts & Crafts, Art Deco & Atomic Age; 12 finishes; direct delivery. Click on No. 7630

The Nanz Company

212-367-7000; Fax: 212-367-7375 www.nanz.com New York, NY 10013

Designer & manufacturer of period-style door, window & cabinet hardware: Gothic to Modern; specialized finishes; bathroom fittings & accessories; works directly with architects, designers & builders; consultation, specification & restoration services.

Click on No. 1150



The olive knuckle hinge, model #3003 from Nanz, is fashioned after a design manufactured in Connecticut during the early-20th century and is sand-cast in brass.

Vintage Woodworks

903-356-2158; Fax: 903-356-3023 www.vintagewoodworks.com Quinlan, TX 75474

Supplier of Victorian millwork: western red cedar shingles, porch parts, columns, turned & sawn balusters, railings, brackets, gazebos, cornices, corbels, spandrels, mantels, storm & screen doors & more. Click on No. 1061



Vintage Woodworks designs and manufactures screen and storm doors with or without spandrels.

Whitesmith & Company

214-871-0305; Fax: 214-871-0644 www.whitesmithandcompany.com Dallas, TX 75204

Designer & manufacturer of ornamental hardware & ironwork: stock & custom designs; grilles; door, window & cabinet hardware; fireplace equipment; forged & cast steel, iron, bronze, brass & copper; since 1993. Click on No. 1644

Wiemann Metalcraft

918-592-1700; Fax: 918-592-2385 www.wmcraft.com Tulsa, OK 74107

Designer, fabricator, finisher & installer of custom ornamental metalwork: railings, fencing, gates, columns, balustrades, lighting, grilles, doors, balconies & more; all cast & wrought metal alloys, finishes & architectural styles; since 1940. Click on No. 1223



Wiemann Metalcraft fabricated this bronze door with insulated glass.

Zeluck Windows and Doors

800-233-0101; Fax: 718-531-2564 www.zeluck.com Brooklyn, NY 11234

Manufacturer of handcrafted wood windows & doors: round top, oval, round & casement; historic window replication; custom shapes; hardwood, mahogany, teak, cherry, cedar & more from responsibly managed forests. Click on No. 6920



These wood doors were handcrafted by Zeluck Windows and Doors

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This window features the Historic-One-Lite invisible storm from Allied Window; all of the company's windows are custom made.

Architectural Components, Inc.

413-367-9441; Fax: 413-367-9461 www.architecturalcomponentsinc.com Montague, MA 01351

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Manufacturer of furniture, cabinet, window, shutter & door hardware: brass, cast iron, bronze, wrought iron & steel; new reproduction & antique/reconditioned hardware; fireplace accessories; restoration services. Click on No. 2930



brass sash lift from Ball & Ball measures 1x2 in.

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Coppa Woodworking 310-548-4142; Fax: 310-548-6740 www.coppawoodworking.com San Pedro, CA 90731

Manufacturer of wood screen & storm doors: more than 300 styles; custom sizes, several wood types & multiple finishes; arch tops, dog doors, wood window screens & storm windows. Click on No. 9600

E.R. Butler & Co.

212-925-3565; Fax: 212-925-3305 www.erbutler.com New York, NY 10012

Manufacturer of Early American door, window & furniture hardware: 19th-century shell-shanked crystal, porcelain & wood trimmings; brass, bronze, nickel-silver & wrought iron; customplated & -patinated finishes; restoration work. **Click on No. 2260**



Grabill restored the windows of the Sarah Jordan boarding house in Greenfield Village, MI.

Grabill Windows & Doors 810-798-2817; Fax: 810-798-2809 www.grabillwindow.com Almont, MI 48003

Custom manufacturer of all-wood, bronze- or aluminum-clad windows & doors: casements, tilt-turn, European in-swing & historically accurate doublehung windows; lift-slide, pivot & bi-fold doors; Grabill Green sustainability initiatives. Click on No. 1910

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502-894-0501; No fax www.greenwoodworkshop.com Louisville, KY 40207 Manufacturer of wood doors & windows: historical replicas; storm windows & doors; custom furniture.

Hamilton Sinkler

866-900-3326; No fax www.hamiltonsinkler.com New York, NY 10016

Manufacturer of decorative registers & vents, door hardware, cabinet hardware & other accessories: brass, bronze & nickel; custom work. Click on No. 1618

Harwick Architectural Hardware Co.

631-345-3234; Fax: 631-924-2648 www.theharwick.com Middle Island, NY 11953

Manufacturer of door & window hardware: sash pulleys, lifts, hangers, locks & chains; casement locks & push bars; hinges, cast pulleys & more; bronze, brass & stainless steel.

HeartWood Fine Windows & Doors

585-254-8191; Fax: 585-254-1760 www.heartwoodwindowsanddoors.com Rochester, NY 14606

Manufacturer of custom architectural wood windows & doors: made from Honduras mahogany & other species; traditional mortise-&-tenon construction; standard & decorative glazing; 60-yearold company.





This Palladian window was crafted by HeartWood Fine Windows & Doors in Honduras mahogany.

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Designer & custom fabricator of ornamental metalwork: benches, columns, balustrades, lighting, gazebos, fencing, grilles, doors, windows, skylights, finials & more; cast iron, bronze, aluminum & wrought iron/steel; many styles; restoration services.

Click on No. 1210



This cast-bronze window from Historical Arts & Casting is available in two sizes

House of Antique Hardware

888-265-1038; Fax: 503-233-1312 www.houseofantiquehardware.com Portland, OR 97232

Supplier of door, window, cabinet, furniture, electrical & bath hardware: original antique & vintage reproductions; Federal, Victorian & Arts & Crafts styles; hardware specialists available to assist with renovation projects. Click on No. 339

Hull Historical Millwork

817-332-1495; Fax: 817-332-1496 www.hullhistorical.com Fort Worth, TX 76104

Designer & builder of historically accurate architectural interiors: English, French, Georgian, Federal, Victorian & Arts & Crafts interiors; doors, moldings, stairs, cabinetry, paneled walls & mantels. Click on No. 3016

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828-667-8868; Fax: 828-665-8303 www.customforgedhardware.com Candler, NC 28715

Custom fabricator of door, barn, garage, gate, furniture, cabinet, shutter & window hardware: hand-forged steel, copper & bronze or cast bronze; repair, restoration & reproduction work; fireplace equipment; catalog \$5. Call for more information.



This window grille was custom made by Kayne & Son,

Marvin Windows and Doors

888-537-7828; Fax: 651-452-3074 www.marvin.com Warroad, MN 56763

Manufacturer of all-wood & clad-wood windows & doors: round top, oval, casement & double hung; custom shapes & historic window replication; dual durometer, bulb & leaf weather stripping; storm windows; numerous design choices & glazing options.

Click on No. 1611



All-wood interior and exterior insert double-hung windows are offered by Marvin.

Parrett Windows & Doors

800-541-9527; Fax: 877-238-2452 www.parrettwindows.com Dorchester, WI 54425

Manufacturer of custom wood & aluminum-clad windows: any geometric shape, numerous wood species & complete finishing capabilities; historical replications; custom wood doors in numerous species with complete finishing options; screen doors, casings & moldings. Click on No. 3003



Parrett Windows & Doors offers custom grille bar styles and patterns.

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Manufacturer & designer of traditional, hotforged solid-brass window hardware: sash pulleys, weights, chains & cords, sash locks & lifts, casement stays & fasteners, storm/screen hangers, bronze screen wire & screen-door latch sets. Click on No. 6001



The new model LK281 sash lock from the Phelps Company is made of solid hot-forged brass.

Reilly Windows & Doors

631-208-0710; Fax: 631-208-0711 www.reillywoodworks.com Calverton, NY 11933

Manufacturer & installer of custom wood windows, doors & shutters: can be designed to meet any ASTM impact requirement; wide selection of wood, finish & hardware options. Click on No. 9210

Rejuvenation

888-401-1900; Fax: 800-526-7329 www.rejuvenation.com Portland, OR 97210

Manufacturer of period-style lighting & hardware: door, bath, window & cabinet hardware; Victorian, Colonial Revival, Neoclassical, Arts & Crafts, Art Deco & Atomic Age; 12 finishes; direct delivery. Click on No. 7630

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New York, NY 10013

Designer & manufacturer of period-style door, window & cabinet hardware: Gothic to Modern; specialized finishes; bathroom fittings & accessories; works directly with architects, designers & builders; consultation, specification & restoration services. Click on No. 1150



The Nanz Company offers knobs, levers and knuckle hinges in cast brass or bronze.

Whitesmith & Company

214-871-0305; Fax: 214-871-0644 www.whitesmithandcompany.com Dallas, TX 75204

Designer & manufacturer of ornamental hardware & ironwork: stock & custom designs; grilles;

door, window & cabinet hardware; fireplace equipment; forged & cast steel, iron, bronze, brass & copper; since 1993. Click on No. 1644

Zeluck Windows and Doors

800-233-0101; Fax: 718-531-2564 www.zeluck.com Brooklyn, NY 11234

Manufacturer of handcrafted wood windows & doors: round top, oval, round & casement; historic window replication; custom shapes; hardwood, mahogany, teak, cherry, cedar & more from responsibly managed forests. Click on No. 6920



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508-339-4500; Fax: 508-339-0104 www.acornmfg.com Mansfield, MA 02048

Manufacturer of Early American-style hand-forged iron registers & grilles & iron & stainless-steel door & window hardware: latches, knockers & pulls; garage, shutter, furniture & wood-gate hardware; Tremont steel-cut nails for restoration projects.



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Ball & Ball manufactures 12- and 18-in.-long hand-forged strap hinges with plate mounting for shutters.

Ball & Ball Hardware

610-363-7330; Fax: 610-363-7639 www.ballandball.com Exton, PA 19341

Manufacturer of furniture, cabinet, window, shutter & door hardware: brass, cast iron, bronze, wrought iron & steel; new reproduction & antique/reconditioned hardware; fireplace accessories; restoration services. Click on No. 2930



Beech River Mill manufactured these $1\frac{3}{4}$ -in.-thick shutters that feature a $2\frac{3}{4}$ -in.-wide fixed slat with scalloped corners projecting beyond the face of the framestock.

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Manufacturer of authentically correct architectural columns: complete line of columns, piers, pilasters & posts; interior & exterior; variety of sizes, styles & materials; 4 different grade levels of wood columns; interior molded ornament; millwork. Click on No. 180



A combination of Chadsworth's Bahama and louvered shutters were used on this structure.

Custom Shutter Company

800-470-0685; Fax: 251-545-4120 www.customshuttercompany.com Montgomery, AL 36117

Custom fabricator of interior & exterior shutters: louvered, panel, board-&-batten, combination & hurricane shutters; basswood, western red cedar, wood composite & PVC/fiberglass; shutter hardware. Click on No. 1536



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James Peters & Son, Inc.

215-739-9500; Fax: 215-739-9779 www.jamespetersandson.com Philadelphia, PA 19122

Manufacturer of period-style hardware: for exterior shutters, doors, windows, gates, garages & barns; new reproduction hardware; wrought steel with black finish & wrought iron.



James Peters & Son manufactures traditional shutter strap hinges with offsets up to 3/4 in.

Kayne & Son Custom Hardware

828-667-8868; Fax: 828-665-8303 www.customforgedhardware.com Candler, NC 28715 Custom fabricator of door, barn, garage, gate,

furniture, cabinet, shutter & window hardware: hand-forged steel, copper & bronze or cast bronze; repair, restoration & reproduction work; fireplace equipment; catalog \$5.

Call for more information.



The D1 shutter dog from Kayne & Son Custom Hardware is hand forged in steel and has a butterfly backplate.

Reilly Windows & Doors

631-208-0710; Fax: 631-208-0711 www.reillywoodworks.com Calverton, NY 11933

Manufacturer & installer of custom wood windows, doors & shutters: can be designed to meet any ASTM impact requirement; wide selection of wood, finish & hardware options. **Click on No. 9210**



Windows, doors and shutters in all wood species are available from Reilly Windows & Doors.



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What Will You Learn?

Course 1: Hot Stuff: Energy Performance in Historic Buildings

March 30, 2010, 2:00 p.m. ET, 90 minutes, 1.5 HSW/SD On-demand version available

Learning Objectives After the session, participants will be able to:

- Assess a building's existing energy performance.
- Develop a strategy that allows for informed decisions about alterations.
- Make changes that improve energy performance, while keeping impacts on the historic fabric in mind.
- Examine the important role that windows play in energy performance.

Presenters: Mark Thaler, AIA, principal and director, Einhorn Yaffee Prescott, Architecture & Engineering, P.C., Albany, N.Y.

Robert A. Kennedy, PE, CEM, LEED AP, director, Einhorn Yaffee Prescott, Architecture & Engineering, P.C., Albany, N.Y.

Moderator: Judy L. Hayward, education director, Traditional Building Exhibition and Conference, Restore Media, LLC, Washington, D.C.

Course 2: An Open-and-Shut Case: the History and Performance of Classic Window Hardware May 25, 2010, 2:00 p.m. ET, 90 minutes, 1.5 HSW/SD

Learning Objectives After the sessions, participants will be able to:

- Rely on historic catalogs and related publications to design current projects.
- Evaluate the function of traditional locks, sash pulleys, and other window hardware.
- Use appropriate window hardware in period restorations or new old construction.

■ Work with hardware suppliers to get the right performance and appearance for period window hardware. **Presenter:** Michael F. Lynch, PE, AIA, FAPT, partner, Kaese & Lynch Architecture and Engineering, LLP, New York, N.Y.

Moderator: Judy L. Hayward, education director, Traditional Building Exhibition and Conference, Restore Media, LLC, Washington, D.C.

Course 3: It All Adds Up: The Role of Fenestration in Creating Energy-Efficient Sympathetic Additions to Historic Commercial Buildings

September 28, 2010, 2:00 p.m. ET, 90 minutes, 1.5 HSW/SD

Learning Objectives After the sessions, participants will be able to:

- Apply effective approaches to designing sympathetic additions for historic buildings.
- Design additions that support improved energy performance in old buildings.
- Learn how energy-efficient fenestration creates new opportunities for using old structures.
- Balance technical, regulatory, aesthetic, and contextual considerations when designing additions to historic buildings.

Presenters: Jeffrey M. Hoover, AIA, principal, Tappe Associates, Inc., Boston, Mass.

Chick McBrien, architectural sales representative, Marvin Windows and Doors.

Moderator: Judy L. Hayward, education director, Traditional Building Exhibition and Conference, Restore Media, LLC, Washington, D.C.

Course 4: New Old Magic—Window Replication in Historic Buildings: Two Compelling Case Studies November 23, 2010, 2:00 p.m. ET, 90 minutes, 1.5 HSW/SD

Learning Objectives After the sessions, participants will be able to:

- Conduct historical research that enables them to design replicated windows when the originals are missing.
- Keep energy efficiency in mind when using window replications in historic settings.
- Design and schedule a window replication for medium-size and large commercial projects.
- Take adaptive reuse into account when designing new windows for old buildings.

Presenters: Anath Ranon, AIA, senior associate, Cho Benn Holback + Associates, Baltimore, Md., and commissioner, Baltimore Commission on Historic and Architectural Preservation.

William Mincey, AIA, John B. Murray Architect, New York, N.Y. Scott Fox, territory sales manager, Marvin Windows and Doors.

Moderator: Judy L. Hayward, education director, Traditional Building Exhibition and Conference, Restore Media, LLC, Washington, D.C.

Register now for these free 90-minute events.

Exterior Molded Ornament

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Abatron, Inc.

800-445-1754; Fax: 262-653-2019 www.abatron.com Kenosha, WI 53144

Manufacturer of epoxy wood-restoration system: LiquidWood penetrating wood consolidant hardens deteriorated wood & WoodEpox wood-replacement compound for filling & rebuilding; AboCrete epoxy patching & resurfacing cement/grout.



MasterMold, a non-toxic polyurethane paste from Abatron is used to reproduce both large and small flexible molds.



Architectural Columns & Balustrades by Melton created this fiberglass cornice for an historic restoration project in New England.

Architectural Columns & Balustrades by Melton Classics 800-963-3060; Fax: 770-962-6988

www.meltonclassics.com Lawrenceville, GA 30042

Manufacturer of architectural elements: columns, balustrades, moldings, cornices, porch parts, brackets, trim & more; fiberglass, polyurethane, marble/resin composite, wood, cast & synthetic stone, GRC & GRG.



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800-399-0268; Fax: 978-263-8504 www.architectural-elements.com Boxborough, MA 01719 National discount supplier of stock & custom decorative molding & millwork, columns & capitals for interior & exterior: crown, cornice & flexible moldings; ceiling medallions; brackets, corbels & composite & fiberglass balustrade & railing system.

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800-439-2000; Fax: 631-842-4790 www.afcornice.com Copiague, NY 11726

Reproducer of original ornamentation from a large selection of stock styles & sizes: exterior cornices, cupolas, columns & balustrades; planters & urns; lightweight, easy-to-install FRP; molded-in colors & texture; Class-1 fire-retardant material.



Architectural Fiberglass Corp. fabricated this 61-in.-tall cornice with a 30-in. projection for a restoration project in the Bronx, NY.

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Manufacturer of 65,000+ decorative building products: architectural moldings & millwork, columns & capitals, wrought-iron components, mantels, balustrading, door & shutter hardware, lighting, flooring, ceiling tile, furniture & cabinet components, carvings, arbors & more. **Click on No. 5008**



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773-847-6300; Fax: 773-847-6357 www.decoratorssupply.com Chicago, IL 60609

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Extrutech Plastics, Inc.

888-818-0118; Fax: 920-684-4344 www.epiplastics04.com Manitowoc, WI 54220

Manufacturer of composite decking, porch ceiling panels, exterior & interior moldings & trim, shutters & custom wood-grain finishes.

Foster Reeve & Associates Inc.

631-765-6490; Fax: 631-765-6494 www.fraplaster.com Southhold, NY 11971

Custom fabricator of fine ornamental & architectural plaster details: columns & mantels; specialty plaster wall finish applications & stock moldings; design development (CAD), engineering & plaster program-management services. Click on No. 1326

Gladding, McBean, Div. of Pacific Coast Bldg.

800-776-1133; Fax: 916-772-6718 www.gladdingmcbean.com Roseville, CA 95747

Manufacturer of clay roof tile, terra cotta, chimney tops & caps, cornices, balustrades, piazza floor tile & garden pottery: CAD drawings; color matching. **Click on No. 6010**



Goodwin Associates 585-248-3320; Fax: 585-387-0153 www.goodwinassociates.com Rochester, NY 14618 Supplier of interior & exterior architectural building products: columns, capitals, balustrade

systems, moldings, domes, medallions, metal ceilings & more; polyurethane, wood & fiberglass; stock & custom. **Click on No. 806**

Haddonstone (USA), Ltd.

719-948-4554; Fax: 719-948-4285 www.haddonstone.com Pueblo, CO 81001

U.S.- & British-based manufacturer of landscape ornament & architectural cast stonework: mantels, fountains, gazebos, planters, balustrades, sculpture, columns, capitals, porticos, cornices, weathervanes, molding, trim, molded panels & more; custom components. Click on No. 4020

Spectis Moulders, Inc.

800-685-9981; Fax: 204-388-6710 www.spectis.com Pembina, ND 58271 Manufacturer of standard & custom polyurethane millwork products: moldings, columns & capitals, mantels, door & window surrounds, niches, medallions, brackets & corbels. Click on No. 1681

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800-835-4400; Fax: 800-835-4403 www.outwater.com

Bogota, NJ 07603

Manufacturer of 65,000+ decorative building products: architectural moldings & millwork, columns & capitals, wrought-iron components, mantels, balustrading, door & shutter hardware, lighting, flooring, ceiling tile, furniture & cabinet components, carvings, arbors & more.

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This balustrade system was manufactured by Outwater in lightweight high-density polyurethane.

Chadsworth Columns

800-486-2118; Fax: 910-763-3191 www.chadsworth.com Wilmington, NC 28402

Manufacturer of authentically correct architectural columns: complete line of columns, piers, pilasters & posts; interior & exterior; variety of sizes, styles & materials; 4 different grade levels of wood columns; interior molded ornament; millwork. Click on No. 1580 for PolyStone; 180 for wood



Chadsworth's polymer balustrades reflect the Classical look of stone.

Gladding, McBean, Div. of Pacific Coast Bldg.

800-776-1133; Fax: 916-772-6718 www.gladdingmcbean.com Roseville, CA 95747

Manufacturer of clay roof tile, terra cotta, chimney tops & caps, cornices, balustrades, piazza floor tile & garden pottery: CAD drawings; color matching. Click on No. 6010

Goodwin Associates

585-248-3320; Fax: 585-387-0153 www.goodwinassociates.com Rochester, NY 14618

Supplier of interior & exterior architectural building products: columns, capitals, balustrade systems, moldings, domes, medallions, metal ceilings & more; polyurethane, wood & fiberglass; stock & custom. **Click on No. 806**

Haddonstone (USA), Ltd.

719-948-4554; Fax: 719-948-4285 www.haddonstone.com Pueblo, CO 81001

U.S.- & British-based manufacturer of landscape ornament & architectural cast stonework: mantels, fountains, gazebos, planters, balustrades, sculpture, columns, capitals, porticos, cornices, weathervanes, molding, trim, molded panels & more; custom components. Click on No. 4020



Haddonstone manufactured this Classical balustrade system and urn.

Historical Arts & Casting, Inc. 800-225-1414; Fax: 801-280-2493

www.historicalarts.com West Jordan, UT 84081

Designer & custom fabricator of ornamental metalwork: benches, columns, balustrades, lighting, gazebos, fencing, grilles, doors, windows, skylights, finials & more; cast iron, bronze, aluminum & wrought iron/steel; many styles; restoration services.

Click on No. 1210

John F. Graney Metal Design, LLC

413-528-6744; Fax: 413-528-6749 www.graneymetaldesign.com Sheffield, MA 01257

Custom fabricator of forged metalwork in Classical & other styles: benches, gazebos, railings, gates, entryways, garden furniture & fireplace tools; gold-leaf & exotic finishes; design & installation service; historical restoration.

North American Stone Co.

972-562-9992; Fax: 972-562-0794 www.northamericanstone.com McKinney, TX 75071 Manufacturer of custom architectural cast-stone

elements: mantels, columns, balustrades, landscape elements, entry systems, pavers, fountains, planters, urns, benches & more.

Pietra del Mar, Inc.

949-675-0600; Fax: 949-675-0601 www.pietradelmar-ca.com Newport Beach, CA 92663 Fabricator of hand-carved stone elements: mantels, columns, capitals, balustrades, niches, fountains & garden elements. Click on No. 1619

Stonex Cast Products, Inc.

732-938-2334; Fax: 732-919-0918 www.stonexonline.com Farmingdale, NJ 07727 Sumpliar of cost stone architectural pu

Supplier of cast-stone architectural products: baluster & rail systems, quoins, window sills & surrounds, wall copings, splash blocks, pier caps, planters, pavers, curbing, furniture & more; 7 styles of balusters; curved railings.



Stonex offers several styles of balusters, ranging in size and shape.

Tattersfield Design, Inc. 561-833-3443; Fax: 561-833-8414 www.btattersfielddesign.com West Palm Beach, FL 33401 Fabricator of hand-carved stone elements: man-

Fabricator of hand-carved stone elements: mantels, columns, capitals, balustrades, niches, fountains & garden elements. Click on No. 1684

Wiemann Metalcraft

918-592-1700; Fax: 918-592-2385 www.wmcraft.com Tulsa, OK 74107

Designer, fabricator, finisher & installer of custom ornamental metalwork: railings, fencing, gates, columns, balustrades, lighting, grilles, doors, mantels & more; all cast & wrought metal alloys, finishes & architectural styles; since 1940. Click on No. 1223

Worthington Group, Ltd.

800-872-1608; Fax: 904-281-1488 www.worthingtonmillwork.com Jacksonville, FL 32260

Supplier of architecturally correct columns in wood or PermaCast: round & square; clear columns in 7 species; cornice moldings, balustrades, niches, medallions, mantels, pedestals & more.

Calendar of Events

THE BEAUX ARTS ALLIANCE BILTMORE HOUSE VISIT, May 29-31, 2010. The Beaux Arts Alliance will host a visit to the Biltmore House in Asheville, NC. Participants will have the chance to tour the French-inspired mansion designed by Richard Morris in the 1890s and stroll through gardens landscaped by Frederick Law Olmsted. For more information, visit www.beauxarts.org.

AIA 2010 NATIONAL CONVENTION & EXPOSITION, June 10-12, 2010. The AIA 2010 National Convention & Exposition will be held at the Miami Beach Convention Center in Miami, FL. The event includes seminars, roundtable discussions, tours and an exhibition on the theme "Design for the New Decade." For more information, visit www.aia.org/convention.

ICA&CA ANNUAL ROME DRAWING TOUR, June 12-19, 2010. ICA&CA will be offering a Classical architectural study program and drawing tour of Rome led by experienced faculty members. Tour instructors will focus on Italian art and architecture history and provide practical knowledge of Rome's Classical traditions. The itinerary includes ancient and Renaissance Rome, Villa Lante, Caprarola, Villa Borghese and Doria Pamphili. For more information, contact Leah Aron at laron@classicist.org or visit www.classicist.org.

SGAA ANNUAL SUMMER CONFERENCE, June 28-30, 2010. This year's Stained Glass Association of America summer conference will be held at the Hyatt Regency Crown Center in Kansas City, MO. Lecture themes will include craft techniques in making art glass, artistic considerations and approaches, techniques in working with the church as well as demonstrations on mosaics and a major exhibition of glass panels. For registration and conference updates, visit www. stainedglass.org/html/SGAAconference.htm.

10TH ANNUAL SAX STONECARVING WORKSHOPS, July 12-18 & August 7-13, 2010. This year, Sax Stonecarving will conduct two seven-day intensive stone carving workshops in Rinconada, NM. The first will feature guest instructor Nicholas Fairplay, who has worked on Westminster Abbey and the Cathedral of St. John the Divine. The latter session features guest instructors Joseph Kincannon, a professional carver with 30 years of experience, and Kazutaka Uchida, an artist from Tokyo, Japan. For more information visit, www.saxstonecarving.com.

TRADITIONAL WOODCARVING INTRODUCTORY WORKSHOP, September 20-22, 2010. Decorative wood-carver Frederick Wilbur will instruct a three-day introductory woodcarving workshop at his studio in Lovingston, VA. This course is a prerequisite for additional courses and is designed for beginners; tools and materials will be provided. Students will learn basic carving techniques and practice simple relief carving designs. For more information on this and other sessions, contact Frederick Wilbur at 434-263-4827 or fcwilbur@verizon.net.

APT CONFERENCE, October 6-9, 2010. The Association for Preservation Technology International will host its annual conference at the Sheraton Denver Downtown Hotel in Denver, CO. The event features workshops, symposiums, exhibits and field sessions. For conference updates, visit www.apti.org.

WRIGHT WAY SOUTHERN CALIFORNIA TOUR, October 12-18, 2010. The Frank Lloyd Wright Preservation Trust will host a tour of southern California's scenery, art and architecture. Private tours include visits to Wright's Hollyhock House and Freeman House, four Greene and Greene designs as well as a trip to Pasadena Heritage's Annual Craftsman Weekend, featuring a bungalow walk. For more information, visit www.GoWright.org.

TRADITIONAL BUILDING EXHIBITION & CONFERENCE, October

20-23, 2010. The nation's largest event dedicated to historic restoration, renovation, landscapes and streetscapes, as well as historically inspired new construction, will be held at the Navy Pier in Chicago, IL. The conference includes sessions with professional learning units available through the AIA, ASLA, ASID, IIDA, AIC and the APA. Other features include the Palladio Award presentations and the Clem Labine Award ceremony. For details on programs and exhibiting, go to www.traditionalbuildingshow.com.



ANNUAL INTERNATIONAL PRESERVATION TRADES WORKSHOP, October 21-23, 2010. IPTN will partner with Frankfort Parks, Recreation and Historic Sites and others to host its 14th annual workshop in the historic town of Frankfort, KY. Attendees will be within walking distance of the nearby River View Park and downtown Frankfort. For workshop updates, visit www.iptw.org.

NATIONAL BUILDING MUSEUM PROGRAMS & EXHIBITS. The National Building Museum in Washington, DC, offers a series of exhibits and programs throughout the year on topics dealing with architectural design and building. Many of the programs qualify for AIA continuing-education units. Current exhibitions include "Cityscapes Revealed: Highlights from the Collection," a study of the building materials, architectural styles and construction practices that defined urban America from the late-19th through the mid-20th centuries. The building itself is worth the visit, and 45-minute walk-in tours are offered daily. For details on current programs and a tour schedule, go to www.nbm.org.

PRESERVATION EDUCATION PROGRAMS. Throughout the year, the Preservation Education Institute, a program of Vermont-based Historic Windsor, Inc., offers workshops on various preservation skills, technologies and practices for building and design professionals, property owners and others. For a complete listing of current programs, go to www.preservationworks.org or contact Judy Hayward at 802-674-6752.

WOOD-CARVING WORKSHOPS. Classically trained master wood-carver Dimitrios Klitsas conducts classes in wood carving at his studio in Hampden, MA, for novices as well as professionals looking to take their skills to the highest level. Classes are available for both group and individual instruction. For more details, go to www.klitsas.com or call 413-566-5301.

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Architectural Products by Outwater carries a large selection of polyurethane porch parts.

AZEK Building Products Inc.

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Manufacturer of low-maintenance exterior building products: AZEK Trim, AZEK Mouldings & AZEK Deck.



AZEK provided the trim for the porch of this residence in California

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Supplier of wood flooring, paneling, roofing, fencing, new & recycled timbers & decking: hand-split, machine-cut & fancy-cut butt fire- & rot-retardant-treated shakes & shingles; quartersawn clapboard & siding; post & beam.

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Manufacturer of authentically correct architectural columns: complete line of columns, piers, pilasters & posts; interior & exterior; variety of sizes, styles & materials; 4 different grade levels of wood columns; interior molded ornament; millwork.
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Foster Wood Products

800-682-9418; Fax: 706-846-3487 www.fosterwood.com Shiloh, GA 31826 Supplier of flooring, paneling, siding & decking: heart & longleaf yellow pine; large timbers; custom woodwork.

HB&G

800-264-4424; Fax: 334-566-4629 www.hbgcolumns.com Troy, AL 36081

Manufacturer of PermaPorch system: load-bearing PermaCast columns, PermaWrap columns, grand balustrade systems, PermaPorch & deck railings, load-bearing PermaPost porch posts, PermaCeiling & medallions.



HB&G's PermaPorch system includes items such as load-bearing columns and porch posts, balustrades and deck railings.

New England Woodturners

860-742-9843; Fax: Same as phone www.newenglandwoodturners.com Andover, CT 06232

Manufacturer of custom wood stair components: balusters & columns up to 16 ft.; Victorian porch posts, newel posts, large turnings, twists, reeding & fluting; any wood species; suitable for paint or stain.

Pacific Columns

800-294-1098; Fax: 714-257-9628 www.pacificcolumns.com Brea, CA 92821

Supplier of interior & exterior columns: roped, belly, carved, high relief, embossed & octagonal; up to 36-in. dia. & 36-ft. lengths; capitals, pilasters, balustrades & porch posts; metal, wood, FRP fiberglass & polymer window trim; shutters; cupolas.

The Wood Factory

936-825-7233; Fax: 936-825-1791 www.period-homes.com/brochure/woodfc.htm Navasota, TX 77868

Manufacturer of historically correct Victorian millwork: interior & exterior doors & stair parts; screen doors, porch posts, newel posts, rails, balustrades, brackets, capitals, custom mantels, siding & gazebos.



The Wood Factory provided the posts, spindles, newels, railings, gable details and appliqués for this residence in Houston, TX.

Vintage Woodworks

903-356-2158; Fax: 903-356-3023 www.vintagewoodworks.com Quinlan, TX 75474 Supplier of Victorian millwork: western red cedar shingles, porch parts, columns, turned & sawn balusters, railings, brackets, gazebos, cornices, corbels, spandrels, mantels, storm & screen doors & more.





Newel posts and balusters from Vintage Woodworks are turned from clear, solid, kilndried western hemlock.

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Barbara Jacobs Color & Design 508-359-5753; Fax: 508-861-0120 www.integralcolor.com Medfield, MA 02052 Color consultant: interior & exterior; on-site &

long distance; decorative finishing.



This exterior color scheme in Brookline, MA, was created by Barbara Jacobs Color & Design.

Color People, The 303-308-0220; Fax: 303-308-0123 www.colorpeople.com Denver, CO 80204

Designer of custom exterior color schemes for houses, businesses, main streets & townscapes: Victorian specialist; consultation through photos, via mail & on-site.



The color scheme for this home was specified by The Color People.

Historic House Colors 734-668-0298; No Fax www.historichousecolors.com Ann Arbor, MI 48105

Provider of custom exterior color schemes for residential & commercial buildings: Victorian, Arts & Crafts styles & more; consultation through photos via email.



Historic House Colors develops color schemes based on historic sources.

Olde World Exteriors

936-321-6533; Fax: 936-321-6534 oldeworldexteriors.com Spring, TX 77381 Supplier of exterior building products: stucco finishes, tile roofing, non-wood flooring & fountains; terra cotta, salvaged brick, stone & more.

Triple-S Chemical Products, Inc.

800-562-5958; Fax: 323-261-5567 www.ssschemical.com Los Angeles, CA 90023 Manufacturer of patinas & antiquing solutions for coloring copper, brass, bronze, steel & iron: green verde for patinating copper, brass & bronze; for gutters, metal roofing & more;

masonry coloring materials & waterproofers.



This copper roof was treated with the Green-Verde #444 patina from Triple-S in order to achieve an antique appearance.





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Architectural Iron Co.

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Manufacturer of custom castings: window weights, registers, grilles, fences, stairs, sculpture, lighting, benches, arbors, pergolas, cresting, weathervanes & finials; entryways & metal doors; iron & steel.

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Greek pottery; garden sculpture, planters & urns, fountains & benches; fiber-crete (FGRC).

Authentic Provence, Inc.

561-805-9995; Fax: 561-805-5730 www.authenticprovence.com West Palm Beach, FL 33401

Importer of authentic French & Italian garden antiques: hand-sculpted fountains in French limestone & Italian marble, mantels, statuary, reliefs, sundials, urns, tables & benches; terra-cotta, lead & zinc planters & more; pavilions.



This egg-and-dart seat top from Haddonstone is shown with chimera seat supports.

Haddonstone (USA), Ltd. 719-948-4554; Fax: 719-948-4285 www.haddonstone.com Pueblo, CO 81001

U.S.- & British-based manufacturer of landscape ornament & architectural cast stonework: mantels,

fountains, gazebos, planters, balustrades, sculpture, columns, capitals, porticos, cornices, weathervanes, molding, trim, molded panels & more; custom components. **Click on No. 4020**

Herwig Lighting

800-643-9523; Fax: 479-968-6422 www.herwig.com Russellville, AR 72811

Custom manufacturer of handcrafted interior & exterior lighting fixtures & more: cast-aluminum benches, bollards, fences, gates, plaques, signage, street clocks, posts to 14 ft. & columns; since 1908. Click on No. 9130

Historical Arts & Casting, Inc.

800-225-1414; Fax: 801-280-2493 www.historicalarts.com West Jordan, UT 84081

Designer & custom fabricator of ornamental metalwork: benches, columns, balustrades, lighting, gazebos, fencing, grilles, doors, windows, skylights, finials & more; cast iron, bronze, aluminum & wrought iron/steel; many styles; restoration services. Click on No. 1210

Pietra del Mar, Inc.

949-675-0600; Fax: 949-675-0601 www.pietradelmar-ca.com Newport Beach, CA 92663 Fabricator of hand-carved stone elements: mantels, columns, capitals, balustrades, niches, fountains & garden elements. Click on No. 1619

Randolph Rose Collection

800-462-5851; Fax: 914-423-2095 www.randolphrose.com Yonkers, NY 10701 Custom fabricator of lost-wax cast-bronze sculpture & home & garden accessories: statuary, benches, fountains, planters, urns & more; custom designs available.

Rossato Giovanni, srl/ Vicenza Stone Sculpture

39-0444-9284-99; Fax: 39-0444-9287-11 www.vicenzastone.com

36100 Vicenza, Italy, IT MVI 002134

Supplier of Vicenza-stone hand carvings: statues, fireplaces, consoles, columns, benches, balls, pineapples, balustrades, fountains, gazebos, pergolas, planters, urns, vases, standard & custom sculpture & more.



This elaborate curved bench was hand carved by Rossato Giovanni in Vicenza stone.

Schiff Architectural Detail, LLC

617-887-0202; Fax: 617-887-0127 www.schiffarchitecturaldetail.com Chelsea, MA 02150

Foundry, forge & fabrication shop: custom castings & non-ferrous forge work; rubber molding & pattern work; custom bowl fountains, lanterns, lampposts, benches, pipe-&-ball fencing, plaques, urns, gazebos & arbors; restoration work.

Wiemann Metalcraft

918-592-1700; Fax: 918-592-2385 www.wmcraft.com Tulsa, OK 74107

Designer, fabricator, finisher & installer of custom ornamental metalwork: railings, fencing, gates, columns, balustrades, lighting, grilles, doors, mantels & more; all cast & wrought metal alloys, finishes & architectural styles; since 1940. Click on No. 1223



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Fences & Gates

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Architectural Products by Outwater, LLC

800-835-4400; Fax: 800-835-4403 www.outwater.com Bogota, NJ 07603

Manufacturer of 65,000+ decorative building products: architectural moldings & millwork, columns & capitals, wrought-iron components, mantels, balustrading, door & shutter hardware, lighting, flooring, ceiling tile, furniture & cabinet components, carvings, arbors & more. **Click on No. 5008**

Fine Architectural Metalsmiths

888-862-9577; Fax: 845-651-7857 www.iceforge.com Chester, NY 10918

Custom fabricator of metalwork: gates, fencing, railings, lanterns, chandeliers, sconces, grilles, fire screens, kitchen equipment & more; forged iron, bronze, copper & stainless steel; specialty finishes; design through installation services.



This gate was fabricated by Fine Architectural Metalsmiths.



The Victorian-style railing was designed and fabricated by Heritage Cast Iron.

Heritage Cast Iron USA 877-855-4766; Fax: 918-592-2385 www.heritagecastironusa.com Tulsa, OK 74107

Supplier & distributor of traditional 19th-centuryinspired cast-iron gates, fences & railings: 7 unique design collections, including pre-hung driveway gates, garden gates, modular fences, posts & fittings; CAD files upon request; most products stocked & ready for immediate shipment. Click on No. 1653

Herwig Lighting

800-643-9523; Fax: 479-968-6422 www.herwig.com Russellville, AR 72811 Custom manufacturer of handcrafted interior & exterior lighting fixtures & more: cast-aluminum benches, bollards, fences, gates, plaques, signage, street clocks, posts to 14 ft. & columns; since 1908. Click on No. 9130

Historical Arts & Casting, Inc.

800-225-1414; Fax: 801-280-2493 www.historicalarts.com West Jordan, UT 84081

Designer & custom fabricator of ornamental metalwork: benches, columns, balustrades, lighting, gazebos, fencing, grilles, doors, windows, skylights, finials & more; cast iron, bronze, aluminum & wrought iron/steel; many styles; restoration services. Click on No. 1210



Historical Arts & Casting manufactured this 15-ft.-tall custom gate.

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Kayne & Son Custom Hardware 828-667-8868; Fax: 828-665-8303 www.customforgedhardware.com Candler, NC 28715

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Schwartz's Forge & Metalworks, Inc. 315-841-4477; Fax: 315-841-4694 www.schwartzsforge.com Deansboro, NY 13328

Custom fabricator of architectural metalwork: straight, spiral & curved stairs; doors, railings, newel posts, lighting, gates, fences, grilles & fountains; forged bronze, monel steel & stainless steel; historical restoration. Click on No. 1667



Wiemann Metalcraft

918-592-1700; Fax: 918-592-2385 www.wmcraft.com Tulsa, OK 74107

Designer, fabricator, finisher & installer of custom ornamental metalwork: railings, fencing, gates, columns, balustrades, lighting, grilles, doors, mantels & more; all cast & wrought metal alloys, finishes & architectural styles; since 1940. Click on No. 1223



This custom fence was designed and fabricated by Wiemann Metalcraft using solid-bar steel; to ensure longevity, it was galvanized before urethane coating was applied.

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Manufacturer of 65,000+ decorative building products: architectural moldings & millwork, columns & capitals, wrought-iron components, mantels, balustrading, door & shutter hardware, lighting, flooring, ceiling tile, furniture & cabinet components, carvings, arbors & more. **Click on No. 5008**

Arnold, Walter S. - Sculptor

847-568-1188; No fax www.stonecarver.com Elgin, IL 60120

Italian-trained carver & sculptor: fountains, fireplaces, gargoyles & other architectural ornament & sculpture: limestone & marble; interior & exterior; wood- & gas-burning fireplaces; carvedstone, limestone & marble mantels.

Cantera Especial

800-564-8608; Fax: 818-907-0343 www.canteraespecial.com Pacific Palisades, CA 90272

Manufacturer of hand-carved natural-stone products made from limestone, cantera, adoquin, travertine, marble & sandstone quarried in Europe & Mexico: fireplaces, fountains, columns, balustrades, gazebos, cornices, flooring, planters & sculpture.



This figure was carved by Cantera Especial in cantera stone



DMS Studios 718-937-5648; Fax: 718-937-2609 www.dms-studios.com Long Island City, NY 11101 Manufacturer & custom fabricator of hand-carved mantels & architectural & landscape ornament: historically accurate; custom projects; marble & limestone; statuary, fountains, benches & capitals; load- & non-load-bearing columns.



Gerald Siciliano Studio Design Associates 718-636-4561; Fax: 702-442-7847 www.geraldsicilianostudio.com Brooklyn, NY 11215 Custom fabricator of fine & architectural sculp-

ture: architectural details, capitals, fountains &

mantels; bronze, granite, marble & stone; interior & exterior; repair & restoration; studio & field work; 30 years of experience.

Haddonstone (USA), Ltd.

719-948-4554; Fax: 719-948-4285 www.haddonstone.com Pueblo, CO 81001

U.S.- & British-based manufacturer of landscape ornament & architectural cast stonework: mantels, fountains, gazebos, planters, balustrades, sculpture, columns, capitals, porticos, cornices, weathervanes, molding, trim, molded panels & more; custom components. Click on No. 4020

Pietra del Mar, Inc.

DMS Studios offers

traditional custom

sculpture in marble

This piece was

travertine by

carved in African

Gerald Siciliano

and limestone.

949-675-0600; Fax: 949-675-0601 www.pietradelmar-ca.com Newport Beach, CA 92663 Fabricator of hand-carved stone elements: mantels, columns, capitals, balustrades, niches, fountains & garden elements. Click on No. 1619

Schwartz's Forge & Metalworks, Inc.

315-841-4477; Fax: 315-841-4694 www.schwartzsforge.com Deansboro, NY 13328

Custom fabricator of architectural metalwork: straight, spiral & curved stairs; doors, railings, newel posts, lighting, gates, fences, grilles & fountains; forged bronze, monel steel & stainless steel; historical restoration. Click on No. 1667

Tattersfield Design, Inc.

561-833-3443; Fax: 561-833-3414 www.btattersfielddesign.com West Palm Beach, FL 33401 Fabricator of hand-carved stone elements: mantels, columns, capitals, balustrades, niches, fountains & garden elements. Click on No. 1684

Wiemann Metalcraft

918-592-1700; Fax: 918-592-2385 www.wmcraft.com Tulsa, OK 74107

Designer, fabricator, finisher & installer of custom ornamental metalwork: railings, fencing, gates, columns, balustrades, lighting, grilles, doors, mantels & more; all cast & wrought metal alloys, finishes & architectural styles; since 1940. **Click on No. 1223**

Fountains & Water Features

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Aristone Concrete Designs

480-967-3035; Fax: 480-967-1181 www.aristonedesigns.com Tempe, AZ 85281

Manufacturer of precast-concrete, plaster & GFRC products: columns, balustrades, fountains, trim & moldings, mantels, wall caps, site furnishings, planters, garden ornament & pavers; since 1964.

Atlantic Fountains, LLC

860-669-1188; Fax: 860-669-4488 www.atlanticfountains.com Clinton, CT 06413

Manufacturer, custom fabricator & distributor of architectural, landscape & floating fountains: lake-aeration products; musical fountains; components including pools, pumps, nozzles, wind & level controls & underwater lights.



Atlantic Fountains added the water features to this garden.

Canterland of Mexico

800-567-8608; Fax: 818-907-0343 www.canterlandmex.com Pacific Palisades, CA 90272

Custom fabricator of architectural stone carvings: mantels, fountains, columns, capitals, door & window frames, countertops & more; Crema Maya, Ticul & Coquina stone; manufactured in the Yucatan Peninsula.

Cuellar Architectural Stone by Cosentino

310-430-4154; Fax: 310-374-8065 www.cuellarstone.com Redondo Beach, CA 90278

Manufacturer of stone products: columns, capitals, balustrades, exterior cornices, flooring, fountains, landscape stone, pavers, mantels & antique original bathroom sinks; marble, limestone & sandstone.

Haddonstone (USA), Ltd.

719-948-4554; Fax: 719-948-4285 www.haddonstone.com Pueblo, CO 81001

U.S.- & British-based manufacturer of landscape ornament & architectural cast stonework: mantels, fountains, gazebos, planters, balustrades, sculpture, columns, capitals, porticos, cornices, weathervanes, molding, trim, molded panels & more; custom components.

Click on No. 4020



This water nymph fountain from Haddonstone measures $39\frac{1}{2}$ in. tall and weighs just under 300 lbs.

Historical Arts & Casting, Inc.

800-225-1414; Fax: 801-280-2493 www.historicalarts.com West Jordan, UT 84081

Designer & custom fabricator of ornamental metalwork: benches, columns, balustrades, lighting, gazebos, fencing, grilles, doors, windows, skylights, finials & more; cast iron, bronze, aluminum & wrought iron/steel; many styles; restoration services.

Click on No. 1210

Pietra del Mar, Inc.

949-675-0600; Fax: 949-675-0601 www.pietradelmar-ca.com Newport Beach, CA 92663 Fabricator of hand-carved stone elements: mantels, columns, capitals, balustrades, niches, fountains & garden elements. Click on No. 1619



This traditionally styled fountain was fabricated by Pietra del Mar.

Stone Forest

888-682-2987; Fax: 505-982-2712 www.stoneforest.com Santa Fe, NM 87501

Manufacturer, custom fabricator & distributor of handcrafted stone garden ornament: granite pavers, garden & wall fountains, planters, urns, benches, lanterns, stone tubs & rustic stone & copper sinks; carved natural stone.



The Provencal fountain from Stone Forest is typical of an 18th-century model; it's available in 36-in.tall and 60-in.tall sizes.

Tattersfield Design, Inc.

561-833-3414; Fax: 561-833-3414 www.btattersfielddesign.com West Palm Beach, FL 33401 Fabricator of hand-carved stone elements: mantels, columns, capitals, balustrades, niches, fountains & garden elements. Click on No. 1684
Planters & Urns

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A&M Victorian Decorations, Inc.

800-671-0693; Fax: 626-575-1781 www.aandmvictorian.com South El Monte, CA 91733

Manufacturer of architectural elements: mantels, columns, moldings, balustrades, wall caps, pavers, quoins, coping, planters, fountains & gazebos; cast stone & plaster; stock & custom designs; foam molding.



A&M Victorian Decorations offers a selection of planters, including these latticework designs.

Atelier Jouvence Custom Stoneworks, Inc.

312-492-7922; Fax: 312-492-7923 www.atelierjouvence.com Chicago, IL 60616

Fabricator of custom-carved stonework in French & domestic limestone & marble: fireplace surrounds, range hoods, garden ornament, architectural elements & historic reproductions; fountains, planters & urns; stone flooring.



The cast-stone Waterloo urn is one of the many planters available from Haddonstone.

Haddonstone (USA), Ltd.

719-948-4554; Fax: 719-948-4285 www.haddonstone.com Pueblo, CO 81001

U.S.- & British-based manufacturer of landscape ornament & architectural cast stonework: mantels, fountains, gazebos, planters, balustrades, sculpture, columns, capitals, porticos, cornices, weathervanes, molding, trim, molded panels & more; custom components. Click on No. 4020

Historical Arts & Casting, Inc.

800-225-1414; Fax: 801-280-2493 www.historicalarts.com West Jordan, UT 84081 Designer & custom fabricator of ornamental metalwork: benches, columns, balustrades, lighting, gazebos, fencing, grilles, doors, windows, skylights, finials & more; cast iron, bronze, aluminum & wrought iron/steel; many styles; restoration services.

Click on No. 1210



This 18-in. urn, based on a Frank Lloyd Wright design, is offered by Historical Arts & Casting.

John Wright Company

800-444-9364; Fax: 717-892-1258 www.jwright.com

Wrightsville, PA 17368

Manufacturer & distributor of home & garden elements: cast-iron fasteners, hinges, shelf brackets, tiebacks & shutter dogs; birdbaths, garden accents, garden lanterns, urns, plant stands, rain gauges, stepping stones, wall art, weathervanes & more.

Kenneth Lynch & Sons, Inc.

203-264-2831; Fax: 203-264-2833 www.klynchandsons.com Oxford, CT 06478

Manufacturer of Classical garden ornament: wall & tiered fountains, Classical & Oriental statuary, park benches, birdbaths, topiary/arbors, sundials, finials & planters; cast stone, lead, copper & bronze; copper weathervanes.



Kenneth Lynch & Sons custom manufactured this traditionally styled lead planter, which measures 69x18x16 in.

Marble Gardens & Interiors

570-386-3455; Fax: 570-386-3029 www.marblegardens.com Andreas, PA 18211

Manufacturer of custom marble garden & landscape ornaments: benches, columns, fountains, sculpture, sinks, vases & planters; workshop in Carrara, Italy.

New England Garden Ornaments

978-579-9500; Fax: 978-579-8900 www.negardenornaments.com Sudbury, MA 01776 Importer of cast architectural ornament from 3

English companies: Chilstone, Haddonstone & Yorkstone; pavers, planters, urns, quoins, columns, pilasters, pier caps, copings, fountains, porticos, temples, pavilions & cornices.



This garden urn is available from New England Garden Ornaments.

Rhodes Architectural Stone

206-709-3000; Fax: 206.709.3003 www.rhodes.org Seattle, WA 98122

Fabricator of architectural stonework & art masonry: building stone, pavers, curbing, cobblestone, columns, stair blocks, fireplace stone, planters, urns & more; architectural ornament; technical consultation, material searches & installation. Click on No. 1679

Landscape & Garden Specialties

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Stone tile from Architectural Products by Outwater can be used in a variety of landscape applications.

Belden Brick Co., The 330-456-0031; No fax www.beldenbrick.com Canton, OH 44702

Manufacturer of brick: variety of colors, textures, sizes & stock & custom shapes; color matching; jack arches, water tables, bullnoses, coping caps, pavers, face brick, brick sculpture & more. Click on No. 1500



BrattleWorks' garden arbors can be used as landscape focal points, structures for growing plant material, or as part of a fence for defining yard space.

BrattleWorks

603-583-4517; Fax: 603-583-4519 www.brattleworks.com Gardner, MA 01440

Manufacturer of trellis and lattice works: can be configured in 20 arbor and pergola designs; cedar & oak.

Chadsworth Columns

800-486-2118; Fax: 910-763-3191 www.chadsworth.com Wilmington, NC 28402

Manufacturer of authentically correct architectural columns: complete line of columns, piers, pilasters & posts; interior & exterior; variety of sizes, styles & materials; 4 different grade levels of wood columns; interior molded ornament; millwork. Click on No. 1580 for PolyStone; 180 for wood



Chadsworth's Classic Pergola creates a smooth transition between interior and exterior spaces.

EJMcopper Inc.

407-447-0074; Fax: 407-447-0075 www.ejmcopper.com Orlando, FL 32804

Manufacturer of custom architectural copper products: chimney caps, range hoods, cupolas, finials, spires, dormer vents, leader heads, louvers, weathervanes, mailboxes, gutters & more; online catalog. Click on No. 588

Gavin Historical Bricks Inc.

319-354-5251; Fax: 319-688-3086 www.historicalbricks.com Iowa City, IA 52245

Supplier of authentic antique brick pavers, granite cobblestones, clinker & common brick: custom matching; large quantities; special shapes; handmolded & face brick; nationwide shipping. Click on No. 191



Authentic antique street pavers from Gavin were used for this driveway.

Gladding, McBean, Div. of Pacific Coast Bldg. 800-776-1133; Fax: 916-772-6718 www.gladdingmcbean.com Roseville, CA 95747

Manufacturer of clay roof tile, terra cotta, chimney tops & caps, cornices, balustrades, piazza floor tile & garden pottery: CAD drawings; color matching. Click on No. 1452 for Garden Pottery; 1454 for Floor & Landscape Paving



Gladding, McBean's Presidio Blend tile was used to create this traditionally styled piazza.











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719-948-4554; Fax: 719-948-4285 www.haddonstone.com Pueblo, CO 81001

U.S.- & British-based manufacturer of landscape ornament & architectural cast stonework: mantels, fountains, gazebos, planters, balustrades, sculpture, columns, capitals, porticos, cornices, weathervanes, molding, trim, molded panels & more; custom components. Click on No. 4020

Herwig Lighting

800-643-9523; Fax: 479-968-6422 www.herwig.com Russellville, AR 72811

Custom manufacturer of handcrafted interior & exterior lighting fixtures & more: cast-aluminum benches, bollards, fences, gates, plaques, signage, street clocks, posts to 14 ft. & columns; since 1908. Click on No. 9130

Historical Arts & Casting, Inc.

800-225-1414; Fax: 801-280-2493 www.historicalarts.com West Jordan, UT 84081

Designer & custom fabricator of ornamental metalwork: benches, columns, balustrades, lighting, gazebos, fencing, grilles, doors, windows, skylights, finials & more; cast iron, bronze, aluminum & wrought iron/steel; many styles; restoration services.

Historical Arts & Casting designed and custom fabricated this mailbox.

Pine Hall Brick Co. 336-779-6116: Fax: 336-77

336-779-6116; Fax: 336-721-7517 www.pinehallbrick.com Winston Salem, NC 27105

Manufacturer of pavers, face brick, thin brick & special shapes: 40+ face-brick styles; 60+ claypaver styles including Rumbled, CityCobble, permeable RainPave & StormPave; since 1922. Click on No. 5130



Old Towne pavers from Pine Hall Brick feature an antique finish designed to look like reclaimed brick.

Rhodes Architectural Stone

206-709-3000; Fax: 206.709.3003 www.rhodes.org Seattle, WA 98122

Fabricator of architectural stonework & art masonry: building stone, pavers, curbing, cobblestone, columns, stair blocks, fireplace stone, planters, urns & more; architectural ornament; technical consultation, material searches & installation. Click on No. 1679

Stoneyard.com

978-742-9800; Fax: 978-428-0450 www.stoneyard.com Littleton, MA 01460 Supplier of reclaimed New England fieldstone: veneers, stone walls & landscaping; veneers are available in 5 different shapes; weathered or natural grain face colors. Click on No. 1674

Wiemann Metalcraft

918-592-1700; Fax: 918-592-2385 www.wmcraft.com Tulsa, OK 74107 Designer, fabricator, finisher & installer of custom ornamental metalwork: railings, fencing, gates, columns, balustrades, lighting, grilles,

gates, columns, balustrades, lighting, grilles, doors, mantels & more; all cast & wrought metal alloys, finishes & architectural styles; since 1940. **Click on No. 1223**



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Exterior Complements

Choosing appropriate lighting fixtures is a matter of style, scale and personal taste. By Hadiya Strasberg

uality exterior lighting fixtures are a great addition to a traditional house. Not only do they serve a practical function, but they are also a stylish complement. A key element of the initial image of a home, it is important that the fixtures are appropriately styled and sized relative to the building. Among the lighting companies that provide a wide range of fixtures in a variety of styles are Orange, CA-based Old California Lantern Company, Exton, PA-based Ball & Ball Lighting and Hazlehurst, MS-based Faubourg Lighting.

Arts & Crafts Influenced

Old California Lantern Company manufactures both interior and exterior Arts & Crafts-period lighting fixtures. Owner Tom Richard has spent his entire career in the lighting profession and started the company in 1989. Initially creating custom pieces for commercial buildings, Old California Lantern has since expanded its collection and works primarily in the residential field.

Electric wall sconces and lanterns are available in three lines – Craftsman, Ultimate Bungalow and Cottage. "The Craftsman and Cottage designs are inspired by historic California architecture," says Richard. "The Craftsman style is traditional Arts & Crafts, while the Cottage designs are more whimsical, English countryside types."

Ball & Ball's model W520-12B fixtures adorn the entry door of this stone house. Like all of the company's lanterns, these traditionally styled electric-retrofitted lanterns feature 110V candelabra sockets with 40W bulbs. *Photo: courtesy of Ball & Ball Lighting*

The Ultimate Bungalow line features reproduction Greene and Greene fixtures, which are a version of the Arts & Crafts style designed by the renowned architects. "We have designs that were originally made for the Gamble, Blacker and Thorsen houses, among others," says Richard. The Greene and Greene lighting reflects the firm's architecture, which features large, low, overhanging roofs, pagodas and other Asian influences.

Garden Lights, a fourth collection of exterior lighting introduced in August 2009, incorporates fixtures from the Bungalow line. It is unique in that the fixtures are made specifically for path illumination, so they are reduced in size and offered in 12 volts. Spot and flood lights are also available.

Not only can orders be placed for fixtures from Old California Lantern's standard lines, but the company also specializes in custom work. "Often, customers choose a fixture from one of our stock lines, but need it to be scaled differently or want one

or more of its elements modified," says Richard.

"We will happily help them with that kind of project." Another request for custom fixtures is from customers – usually architects – who have designed a lighting fixture in an Arts & Crafts style and need it fabricated. In some cases, with the designer's permission, the company incorporates the fixture into its product line.

Exterior lighting fixtures from Old California Lantern are available in solid brass and copper. Nine hand-applied finishes are available, from bronze patina and rust to warm brass and old copper, along with a selection of handmade art glass. "Our strength is our patina finishes, a variety that not many companies offer," says Richard. "We are trying to create a product that looks old and the patina and weathering enhance that. The fixtures will age gracefully."

The company manufactures all of its lighting in its factory. Recently, it has started to produce more energy efficient fixtures, which is accomplished by building a compact fluorescent system into old lanterns.

18th-Century Reproductions

Another family-run company, Ball & Ball Lighting was founded in 1932. With a broad product line that includes furniture hardware and door hardware, the company began producing



Old California Lantern's Cobblestone Lane series is among the company's most popular; it is available in several tree motifs and glass colors. Photo: courtesy of Old California Lantern

lighting in the 1950s. Today, it is one of the company's largest product lines. "Like our other products, the lighting is reproduction 18th-century and turn-of-the-century American Revival period," says Bill Ball, co-partner of Ball & Ball.

Ball & Ball manufactures both standard and custom electric lighting for interior and exterior applications. The latter types include wall sconces and post- and wall-mounted lanterns in brass, bronze, tin, copper, aluminum and iron. The interior assembly is made in brass and stainless steel for durability. There is no limit to finishes, though most customers opt for Ball & Ball's standard non-lacquered metal finishes, which will tarnish for an historical appearance.

The company has a design library with more than 1,500 antique fixture shop drawings and artwork that date from 1880 to 1950, and serve as the basis for Ball & Ball's American Revival collection. The company also owns a collection of antique fixtures, from which it takes its fabrication techniques. It will manufacture a light from an old catalog, photograph or drawing, but prefers to work with a three-dimensional object. "This is because we can see all of the elements as well as the construction technique, which means that we can reproduce that too," says Ball. All fixtures can be duplicated in their original sizes, but can also be produced in several other sizes and mounting configurations.

Ball & Ball will work with customers to produce drawings for custom fixtures, or manufacture fixtures designed by architects for specific projects. "We have been doing more custom work lately, which I enjoy," says Ball. "I like the challenge of a new project every time. It is mostly residential, though we will scale our fixtures for commercial work as well."



For a private residence in California's Bay Area, Old California Lantern tweaked a design from the Bungalow Series' Wentworth Avenue line to fit an Arts & Crafts idiom. *Photo: courtesy of Old California Lantern*

When customers order multiple lighting fixtures, they are often designed in the same style, but the sizes and mountings vary depending on the location of installation. "There can be a lot of back and forth before we produce a final design," says Ball. "We will sometimes even produce mockups to ensure accuracy."

Ball & Ball is also known for its restoration and repair work. Recent projects include the restoration of exterior fixtures at the Supreme Court and the Capitol in Washington, DC. In some cases, a customer will ask the company to restore a fixture and, simultaneously, to reproduce it so the piece can be featured in one or two additional rooms. "Whether it is a commercial or residential project, reproduction or restoration," says Ball, "we are happy to work with customers to produce the best light fixture for their building."

New Orleans Inspired

Faubourg Lighting, which was founded in 1978, manufactures handmade gas and electric lighting in copper. Its wall sconces, porch lighting and lanterns are largely influenced by traditional New Orleans' gas fixtures. Other standard styles include Colonial, Federal and Italianate.

Due to its large selection of styles, Faubourg's fixtures fit well almost anywhere. Owner Kathy Hidalgo says that she supplies lighting to a variety of homes, from French Country to contemporary. "Most of our customers have Acadian French-style houses," she says, "so our Acadian and French Country-style fixtures are some of the most popular. Of course, whatever the style, we strive to complement the architectural integrity of a home."

In addition to its standard line, Faubourg Lighting also creates custom fixtures. Working from the catalog collection, customers can choose a base style and mix and match different finials, brackets, mounts and finishes. Similarly, fixtures are available in sizes from 14 to 36 in., but the company will create unique sizes upon request.

Custom lighting has become more prevalent in the past few years, and Faubourg Lighting often works with architects who design their own fixtures. "Many of the fabrication jobs we get from architects are for commercial buildings," says Hidalgo, "but we are just as happy to work on custom residential projects."

Faubourg is currently fabricating the exterior lighting for a new residence in Madison, MS. The 10,000-plus-sq.ft. European-style stone house sits at the top of a hill, surrounded by gardens. To complement the architecture, the interior designer bought a few hanging light fixtures from Europe, which Faubourg Lighting will convert to gas. The company is also charged with fabricating 42 new fixtures in a similar style, the majority of which will also be gas burning. "We are taking one of our standard Acadian lights and modifying it with a special top, a wall mount and iron brackets," says Hidalgo. "The builder helped us with the pattern and the architect modified it and enlarged it to make it appropriate for the space." Though Faubourg Lighting special-

izes in gas lighting, fixtures can be

either gas or electric. Both the gas and electric lights are UL certified and the gas fixtures bear certified CSA labels. While the fixtures are copper, the components are copper or brass. Faubourg offers four finishes, although many customers choose raw copper for its natural patina.

Whatever style, material and detailing one chooses, timelessness is the objective. All three of these companies help residences achieve that with their exterior lighting.

Hadiya Strasberg is an M.Arch. candidate at Massachusetts College of Art & Design and a contributor to Period Homes and Traditional Building.



This two-light copper hanging lantern, model W429-003 from Ball & Ball, is available in various finishes, including bright copper. *Photo: courtesy of Ball & Ball*



This handmade copper lantern from Faubourg Lighting is offered as an electric or gas-burning model. *Photo: courtesy of Faubourg Lighting*



This period-style exterior gas fixture from Faubourg Lighting features a copper dome top and a full yoke. *Photo: courtesy of Faubourg Lighting*

Exterior Lighting

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Authentic Designs

800-844-9416; Fax: 802-394-2422 www.authenticdesigns.com West Rupert, VT 05776

Manufacturer of Early American & Colonial lighting fixtures: brass, copper, terne metal & Vermont maple; interior & exterior mountings; CUL/UL-listed for wet & damp locations; lanterns, sconces, table lamps, chandeliers & pendants; custom work available. Click on No. 60



This wall-mounted fixture from Authentic Designs is made of copper and rippled glass.

Ball & Ball Lighting

610-363-7330; Fax: 610-363-7639 www.ballandball.com Exton, PA 19341

Manufacturer of historical lighting fixtures: lanterns, sconces, table/floor lamps, chandeliers & pendants; porch & gas lighting; brass, tin, copper, pewter, iron & bronze; restoration & refitting; stock & custom.

Click on No. 7660



This period-style reproduction lantern from Ball & Ball Lighting brings character to the exterior of this house.

Bevolo Gas & Electric Lights

504-522-9485; Fax: 504-522-5563 www.bevolo.com New Orleans, LA 70130 Fabricator of hand-riveted, antique-copper propane, electric & natural-gas fixtures: Colonial, Victorian, Turn of the Century & Mediterranean styles; restoration.

Click on No. 166



Coppersmythe, Josiah R.

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508-432-8590; Fax: 508-432-8587

Manufacturer of handcrafted lighting: sconces,

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Colonial & Arts & Crafts styles; custom.

The Governor copper gas light from Bevolo is shown here with a scroll bracket.

Deep Landing Workshop

877-778-4042; Fax: 410-778-4070 www.deeplandingworkshop.com Chestertown, MD 21620 Designer & manufacturer of interior & exterior lighting fixtures: stylized reproductions rooted in the Colonial style. Click on No. 809



This 26¹/₂-in.-tall lantern from Deep Landing Workshop has an antiquecopper finish.

Faubourg Lighting

866-803-7518; Fax: 601-894-5195 www.faubourglighting.com Hazlehurst, MS 39083

Designer & fabricator of historical gas & electric lighting fixtures handcrafted in copper: buildingmounted sconces, porch lighting & electrically lit lanterns; automatic gas ignition; Colonial & Classical; custom work.

Heritage Lanterns

207-846-3911; Fax: 207-846-9732 www.heritagelanterns.com Yarmouth, ME 04096 Manufacturer of handgrafted brass.co

Manufacturer of handcrafted brass, copper & pewter lighting: reproductions of 18th- & early-19th-century fixtures; brackets, wall mounts, ceiling lights, chandeliers & post lights; rain protection, concealed wiring & more. Click on No. 1231



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800-225-1414; Fax: 801-280-2493 www.historicalarts.com West Jordan, UT 84081

Designer & custom fabricator of ornamental metalwork: benches, columns, balustrades, lighting, gazebos, fencing, grilles, doors, windows, skylights, finials & more; cast iron, bronze, aluminum & wrought iron/steel; many styles; restoration services.

Click on No. 1210



Historical Arts & Casting custom fabricated these wall-mounted lighting fixtures.

Lantern Masters, Inc.

818-706-1990; Fax: 818-706-1988 www.lanternmasters.com Westlake Village, CA 91362

Custom designer & manufacturer of lighting: chandeliers, sconces, pendants & lanterns; both gas and electric available; French, Tuscan, Spanish Revival, Tudor, Traditional, contemporary, antique reproduction & more. Click on No. 267



This six-sided wall lantern is available from Lantern Masters.

Old California Lantern Co.

800-577-6679; Fax: 714-771-5714 www.oldcalifornia.com Orange, CA 92867

Designer & manufacturer of interior & exterior lighting inspired by history & architecture: more than 875 exclusive Arts & Crafts-, Cottage- & Western-style designs.



Arts and Crafts style fixtures from Old California Lantern can be mounted on posts for exterior applications.

Rejuvenation

888-401-1900; Fax: 800-526-7329 www.rejuvenation.com Portland, OR 97210

Manufacturer of period-style lighting & hardware: door, bath, window & cabinet hardware; Victorian, Colonial Revival, Neoclassical, Arts & Crafts, Art Deco & Atomic Age; 12 finishes; direct delivery. Click on No. 7630



The Lafayette is one of many lighting fixtures available from Rejuvenation.

Remains Lighting 646-723-2483; No fax www.remains.com

Brooklyn, NY 11206

Custom lighting manufacturer & supplier of antique lighting: E.F. Caldwell & Co., Sterling Bronze Co. & Bradley & Hubbard; new wall & ceiling fixtures; chandeliers, lanterns, sconces & table & floor lamps; period lighting; UL certified. Click on No. 1342



The Mercer exterior wall lantern from Remains Lighting was inspired by stable windows seen in the Pennsylvania countryside.

Scofield Historic Lighting 860-767-7032; Fax: 888-860-9266 www.scofieldhistoriclighting.com Ivoryton, CT 06442

Fabricator of handmade, new production antique & custom lighting: chandeliers, sconces & lanterns; copper, tin, steel & wood; 22k gold leaf, aged tin, bronze, vertigree & leaded-copper patinas; inspired by 17th- to 19th-century American & European designs.



This historic lantern is one of many styles available from Scofield Historic Lighting.

Wiemann Metalcraft 918-592-1700; Fax: 918-592-2385 www.wmcraft.com Tulsa, OK 74107

Designer, fabricator, finisher & installer of custom ornamental metalwork: railings, fencing, gates, columns, balustrades, lighting, grilles, doors, mantels & more; all cast & wrought metal alloys, finishes & architectural styles; since 1940. Click on No. 1223



Wiemann Metalcraft custom manufactured this lantern in bronze.

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Bevolo Gas & Electric manufactured this gasburning lantern.

Charleston Gas Light 877-427-5483; Fax: 843-723-2871 www.charlestongaslight.com Charleston, SC 29401

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Copper Sculptures 800-235-6725; Fax: 601-992-9350 www.coppersculptures.com Flowood, MS 39232

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Dahlhaus Lighting, Inc.

718-218-6651; Fax: 718-218-6653 www.dahlhaus-lighting.com Brooklyn, NY 11211

Distributor of cast-aluminum vintage lighting & site furnishings: street lamps & lanterns; doorbells & number plates; bollards, fountains, ornament & mailbox designs from Europe; light bollards; electric & custom gas fixtures.

Distinguished Home Lighting, Ltd.

718-261-6090; Fax: 718-261-6190 www.distinguishedhomelighting.com Forest Hills, NY 11375

Supplier of lighting: European cast-brass exterior lanterns; gas & electric; for wall, ceiling, post & column mounting.

Federalist, The

203-625-4727; Fax: 203-629-8775 www.thefederalistonline.com Greenwich, CT 06830

Supplier of interior & exterior lighting fixtures: handmade reproductions of 18th- & 19th-century-style ceiling-hung & wall- & post-mounted fixtures; gas & electric lanterns, chandeliers, sconces & more; period finishes; custom.

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412-683-6434; Fax: 412-683-6440 www.gaslite.com Pittsburgh, PA 15201

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The Boulevard Lamp from Gas-Lite Mfg. is shown on the firm's three-section lamp post.

Historical Arts & Casting, Inc.

800-225-1414; Fax: 801-280-2493 www.historicalarts.com West Jordan, UT 84081

Designer & custom fabricator of ornamental metalwork: benches, columns, balustrades, lighting, gazebos, fencing, grilles, doors, windows, skylights, finials & more; cast iron, bronze, aluminum & wrought iron/steel; many styles; restoration services.



Historical Arts & Casting custom fabricated this cast-metal gasburning lantern.

Lantern Masters, Inc.

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Cast Stone Institute

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Today, when you see a new home being built in a refined Georgian style, or a new cultural arts center with a perfectly proportioned Greek portico, you're seeing the influence of the Institute of Classical Architecture & Classical America (ICA&CA). It's hard to believe that just a couple of decades ago, Classicism had vanished from the American architectural scene.

All that changed when young visionaries founded Classical America (1968) and the Institute of Classical Architecture (1991) – with the two organizations converging in 2002 to form ICA&CA. Now, Classical design has become so popular and ubiquitous in both residential and institutional projects that it has become a branch of modern, contemporary architecture. And a good deal of that popularity is a direct result of the myriad activities of ICA&CA.

There's nothing else quite like it. The ICA&CA is primarily an educational organization, with a specialty in continuing-education programs for professionals. But it's also much more; the Institute's broad mission is probably best summed up by its slogan: "Membership, Scholarship, Fellowship." The organization is basically an alliance of design professionals, craftspeople, manufacturers and enthusiasts – all of whom are dedicated to advancing the Classical tradition in architecture, urbanism and the allied arts. In addition to a wide range of educational programs, the ICA&CA has active programs in publishing, the fine arts, travel and advocacy.

The heart of ICA&CA's operations is its educational program for design professionals and the general public. A year's schedule includes continuing-education classes, travel programs, lectures, seminars, salons, conferences and short-course design programs. ICA&CA publishes a peer-reviewed scholarly journal called *The Classicist* as well as the acclaimed book series called the *Classical America Series in Art and Architecture*. The Institute also acts as a curriculum partner with accredited schools such as the College of Architecture at Georgia Tech and SUNY Stony Brook.

Left: de la Guardia Victoria Architects and Urbanists; photo: Carlos Ignacio Morales

THE STORY OF ICA&CA IN PICTURES

INSTITUTE OF CLASSICAL ARCHITECTURE & CLASSICAL AMERICA

1 PUBLIC LECTURES

Throughout the year, in both New York and chapter locations. public lectures on architecture and related topics keep members up to date on who's doing what and provide great opportunities for personal networking. Shown at a recent lecture: (L. to R.) Peter Pennoyer, current Chairman of the Board. Gary Brewer, Board member, and Paul Gunther, President of the Institute

2 LOCAL CHAPTERS

Institute chapters from New England to Southern California sponsor frequent member events relating to traditional architecture and the allied arts. Here Paul Gunther, ICA&CA President, and Philadelphia Chapter President Barbara Eberlein, take part in a tour of the Nemours Mansion and Gardens, designed by Carrere and Hastings

3 TRAVEL PROGRAMS

Each year Institute members visit architecturally significant sites in North America and Europe, conducted by academic experts. Shown: ICA&CA visitors in the grand lecture hall of L'Ecole des Beaux-Arts are briefed on Classical teaching methods of the 19th and early-20th century ateliers of Paris. *Photo: Robert Whitlock*

4 DESIGN CLASSES The Institute offers

a wide range of professional-level continuing-education courses covering all aspects of Classical design, ranging from one-day courses to fourday intensives. Shown: architect Andy Taylor critiques student work in his intensive course on India ink wash rendering.

5 ROME DRAWING

TOUR An ever-popular program is the sevenday Rome drawing and painting tour, which offers instruction in classical architecture and art history. It's sort of a mini Grand Tour. Shown below are two ICA&CA students sketching at Bramante's Tempietto on Rome's Janiculum Hill - one of the many sites in Ancient and Renaissance Rome visited by the participants



Partnerships with non-architect home builders via the American Institute of Building Design as well as Habitat for Humanity have brought the traditional design skills sustained by the Institute to wider audiences across America. In addition, the rich content on the Institute's website keeps the world up to date on its diverse activities and educational offerings. Broadening its reach into fine arts education, the Institute operates the highly successful Grand Central Academy of Art, which instructs aspiring artists in the Classical tradition through classes in drawing, painting and sculpture. The Academy's New York City studio draws inspiration from Paris's Ecole des Beaux Arts, with students working from both plaster casts and live models. The Institute's headquarters are still in New York – the city of its birth. But with 14 local and regional chapters spread across the country, the ICA&CA has a truly national reach.

If you have any interest whatsoever in traditional design, you'll benefit by getting plugged into the network of ICA&CA resources. Membership is available for design professionals, students, manufacturers, artisans and enthusiasts interested in the classical tradition. Check out membership information at the Institute's website at *www.classicist.org*. Or you can contact the Institute headquarters at 20 West 44th Street, Suite 310, New York, NY 10036-6603; phone (212) 730-9646.

HOW TO BECOME A MEMBER OF THE INSTITUTE

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Professional Membership Companies, organizations, suppliers, fabricators, builders and vendor firms are welcome to join the Institute as Professional Members. Professional membership levels start at \$150 per year. Full details and online membership forms are available at the Institute website: www.classicist.org.

Top: John B. Murray Architect; photo: H. Durston Saylor

6 GRAND CENTRAL ACADEMY The

Institute's fine arts division, under the direction of artist Jacob Collins, offers Classical training to serious students. Through courses ranging from part-time evening and weekend classes to the core three-year program, the Academy's goal is to train a generation of highly skilled, aesthetically sensitive artists in the humanist tradition. Students are shown in the Academy's studio working from some of the 200 plaster casts donated by the Metropolitan Museum to the Institute.

7 THE WEBSITE The Institute's website (www.classicist.org) is packed with information about the ICA&CA, its educational courses, list of professional members, travel programs, upcoming lectures and events, Chapter activities – and the Institute's blog. There are also full details on how to become a member.

8 AFFORDABLE HOUSING The Institute partnered with Habitat for Humanity to develop an architectural pattern book for affordable housing in older communities. The designs allow new housing to fit seamlessly into traditional neighborhoods. Houses in Rochester, NY, and Savannah, GA, have already been built from these plans. The Texas Chapter, in collaboration with the Dallas Area Habit for Humanity and Lambert's, recently announced its vernacular single-family home design competition

WHY CHADSWORTH SUPPORTS THE ICA&CA

Chadsworth has been a professional member and supporter of the ICA&CA for two decades, and has been proud to sponsor Institute publications, events, and other activities. This involvement has provided Chadsworth with exposure to a widely diversified group of people – all of whom are united by love of excellence in architecture.

I was actually a student in the very first ICA six-week summer program in 1992, and learned that columns then available were not classical at all. This ICA program was instrumental in helping us bring to market architecturally correct classical columns – and to use that expertise in developing our award-winning line of FRP classically correct Tuscan columns.

Through the Institute's seminars, lectures and courses, we have been able to interact with designers, architects, and contractors enabling Chadsworth to improve our services to the industry. The opportunity to meet with key people at a social level and to compare notes and experience benefits us as well as future customers.

The Institute's success has exceeded anything I dreamed of. I'm sure it will continue to expand its role in promoting the ideals of classicism and in teaching the principles of classical design. And I know the Institute will continue to improve the quality of architecture – from design, to manufacturing, to construction.

Jeffrey L. Davis Founder and President Chadsworth Incorporated

9 ARTHUR ROSS

AWARDS Every year in the month of May, the Institute sponsors a gala ceremony and dinner to present the annual Arthur Ross Awards to honor excellence among those working in the Classical tradition. Shown is architect Mark Alan Hewitt being honored for the books he's written on architectural history In the background is previous ICA&CA Board Chair, Anne Fairfax.

10 INTENSIVES The

Institute offers summer and winter intensive courses on focused topics. The 9-day Summer 2010 Intensive will be focusing on "The Elements of Classical Architecture."

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The 2010 Arthur Ross Awards for Excellence in the Classical Tradition was held at the University Club in New York City on Monday, May 3, 2010. The ICA&CA thanks generous corporate sponsors Zeluck Inc. and Xhema; lead sponsors the Arthur Ross Foundation and Peter Pennoyer Architects; and underwriters Bulgin & Associates, Inc., Fairfax & Sammons Architects, R. D. Rice Construction, Inc., and Uberto Construction.

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BOOK REVIEW

Grecian Tradition

Greek Revival America

by Roger G. Kennedy Rizzoli International Publications, Inc., New York, NY; 2010 456 pages; hardbound; approximately 190 color photographs; \$75 ISBN 978-0-8478-3184-5

Reviewed by William Heyer

The American Greek Revival (1825-1855) has been proclaimed with little argument as America's first truly national architecture. Roger Kennedy's *Greek Revival America*, now republished by Rizzoli, is an impressive visual survey of this energetic and inventive movement. Since its original publication in 1989, *Greek Revival America* has been a primary visual resource for Grecian buildings throughout the United States. When the book went out of print, copies could hardly be found on the Internet, and when they did appear, the sellers demanded a small fortune. The author of the text, Roger G. Kennedy, proudly admits in the last chapter that "the real feast for readers of this work will not be the puzzles or the games historians play, but the buildings themselves, as they appear in photographs." From New England to Natchez, from Ohio to Oregon, these photographs capture the Classical beauty and craftsmanship of the Grecian movement in America. Puzzles and games, however, are certainly what the author presents throughout the text.

From the introduction to the appendices, Kennedy is difficult to follow or rationalize even for a somewhat knowledgeable Classical architect. The book is divided into six parts with straightforward titles. The author, however, continuously lingers on familial and social connections of politicians, architects and patrons, leads a rambling, disjointed tour across regions, and often repeats himself such that the reader either numbly moves on or faints from exhaustion. To make reading more difficult, essays are packed with terms like "creole-Hellenism," "Labtrobian," a so-called "Masonic Baroque," and the amazing word "Romanoid." These are often made-up and otherwise far from the parlance of even the most versed Classicist.

The substance of the text is also highly controversial. For one, Kennedy presumes a non-negotiable relationship between architectural language and the political current; that architectural taste is always and directly the result of political proclivities. Hence he concludes that all Whigs were Grecian enthusiasts and all Jacksonians were Roman enthusiasts: "It was as if the Roman Empire reappeared in the South, and the Greece that was conquered by Rome dared to reassert itself in the North." A salvific Grecian movement championed by the Whig Party would free the slaves, instill true morality, and pave the way for women's rights in addition to reviving the architecture of true democracy. But these generalizations produce more confusion than anything. This is especially true when the author contradicts his argument later by saying that the Grecian movement "perpetuated the memory of a sinful system the fathers had established [slavery], which was especially noxious in the Grecian South, but which even the temples of the North seemed dedicated to maintain." Kennedy attempts to distinguish Classical houses of the South from the Grecian movement in the North to rectify the problem, but then contradicts himself again in other places.

A notable example of these persistent contradictions occurs in part two of the book. Kennedy presents Milford Plantation (1841) and The Forest (1836) as two similar Grecian structures of the South possibly by the same architect(s) from the North. He describes the political and architectural leanings ("Hellenic Whiggery") of the estate owners and veers to discuss their common interest in horse racing. Then he presents the backgrounds of architects Russell Warren and Charles Reichardt, veering to discuss a "Prussophilia" or "Teuto-Hellenic" influence on Reichardt. Photos and plans of the two buildings are present on nearby pages (adjacencies are sadly rare in this book) in which a problem is now apparent. For The Forest is not Grecian at all. The columned portico is Roman Ionic, not Greek Ionic, and the side extensions are Roman Ionic with a Roman Renaissance balustrade. The only Grecian elements visible are in the lintels above the windows. In addition,



The Judge Robert S. Wilson House (1843) in Ann Arbor, MI, features a Grecian Ionic portico based on late Hellenistic temples.

the plans have little similarity contra the author's opinion. Milford is a plantation house modeled on the villas of Palladio by way of English usage (square temple with symmetrical hyphens connecting pavilions), and The Forest is a large T-shaped plan. Kennedy attempts to rectify the problem later by stating that all columnar architecture is actually part of a larger Greek Revival. Confused? His "Hellenic Whiggery" falls on its face at the Roman Forest and the Palladian Milford.

Other head-scratching presumptions litter the text. For instance, the author claims that the American founders in the 18th century simply "did not have the confidence" to establish a Greek Revival, that Grecian architecture was an architecture of the elite, that the Grecian language was for public buildings and the Roman primarily for private buildings, and on and on.

The appendices provide outrageous conclusions about the Grecian movement and Classical architecture in general. In Appendix B ("Some Questions About Columns") Kennedy argues that all columnar architecture is essentially phallic and thus an expression of male dominance and power and that even the Greeks and Romans built columned buildings for love of their virility. It is not necessary to elaborate further.

Elsewhere, factual errors chip away at the integrity of the text. In Appendix C ("A Gazetteer of Important Greek Revival Buildings in the United States Today") the author mistakenly locates several buildings in Columbus, OH, that in fact reside in the beautiful – but unmentioned – former state capital of Chillicothe. Astute readers from other states may find more mistakes.

For all the difficulties and controversies presented in the essays of Greek Revival America, there can be no question that this book is still a treasure of astounding photographs of Grecian buildings throughout the country. It is a wonderful visual resource for the architect or layperson interested in America's beautiful Grecian contributions to the tradition. ■

William Heyer is a Classical architect in Columbus, OH, vice president of the Ohio & Erie Chapter of the Institute of Classical Architecture & Classical America, and professor of Fine Arts at the Pontifical College Josephinum.

BOOK REVIEW

Blue Bloods in Summertime

Peabody & Stearns: Country Houses and Seaside Cottages

by Annie Robinson

W. W. Norton & Company, New York, NY; 2010 247 pages; 18 color and 250 b/w illustrations; \$65 ISBN 978-0-393-73218-4

Reviewed by Eve M. Kahn

ere all the major American architectural patrons in the Gilded Age related to each other by marriage? So you might conclude from Annie Robinson's intense scrutiny of residential estates designed by Peabody & Stearns.

Robinson, an architectural historian and preservationist based in Maine, has spent more than 12 years tracking down the Boston firm's underappreciated work. Between 1870 and 1917, she writes, the partnership and satellite offices in New York and St. Louis "secured over one thousand commissions." The partners, Robert Swain Peabody and John Goddard Stearns, Jr., both came from comfortable families and trained at Harvard. After graduation, Peabody studied at the Ecole des Beaux-Arts, and he and Stearns also put in a few years as dues-paying draftsmen at London and Boston practices (the two men met while working for prolific fellow Harvardians, William Ware and Henry Van Brunt).

Harvard connections emboldened Peabody and Stearns early on; by 1870, they had set up shop near Faneuil Hall and started designing a polychrome stone agricultural college in suburban Boston. The client was, of course, Harvard. Wealthy Harvardians kept hiring Peabody & Stearns throughout their career, and the long-lived partnership seems to have been conflict-free. Peabody was in charge of coming up with thumbnail sketches for underlings to develop, and then "Stearns was responsible for the on-time and on-budget execution of Peabody's designs," Robinson writes.

Peabody seems to have been a lifelong dreamer: architecture requires "higher qualities like dignity, simplicity, breadth, harmony, or that nameless something which makes all men recognize genius in the artist," he rhapsodized in an 1890 issue of *Harvard Monthly*. Stearns, meanwhile, once warned his partner that "men of money think you must be a great Architect if all their accounts are kept in good order and you are still a greater Architect if you can build for them within the estimates given them." We don't know much else about the partners, except that they never lived far apart and died within a week of each other at their respective summer homes on the Massachusetts seashore.



At the 1892 version of the Breakers, 480 gas fixtures illuminated the dark-paneled Great Hall. Photo: Courtesy of Redwood Library and Athenaeum (gift of Gladys Szechenyi)



A railroad heiress worth about \$20 million in 1887 named her Peabody & Stearns mansion "Shamrock Cliff," because her diplomat husband came from Ireland. Photo: Courtesy of the Newport Historical Society

Without much biographical evidence to rely on, Robinson has focused instead on the built works and clients' lives. She analyzes about 80 houses in a dozen states, plus a hotel, a casino, and a few churches, boathouses and bathhouses. She organized the book by region, and then chronologically within each geographical cluster. So there's frustratingly little sense of how the firm marched through style phases. You have to flip between chapters to grasp how their 1870s Stick Style gave way to Shingle, Norman, Georgian, Mediterranean, Elizabethan and Tudor. For most structures, though, Robinson does describe precedents, massing, landscape layouts (often designed by the Olmsteds), outbuildings, floor plans, ornament, materials and current status.

We learn, for instance, that a Vanderbilt married to a Sloane department store heir often expanded their Shingle/Colonial Revival/Tudor hybrid house in Lenox, MA, which "topped out at ninety-four rooms in 1900." It had two dozen bedrooms, white marble foundations even on the barn, a carved brownstone fireplace in the main hall, leather wallcoverings and quartersawn oak trim. The Olmsteds sculpted its 900 acres, and its 23 greenhouses nurtured nearly 1,000 roses and carnations a week. Now a B&B in family hands, it took up three episodes of Bob Vila's "Home Again" show in 2004.

The media in Peabody & Stearns' day covered their every move. Robinson has stocked the book with entertaining newspaper quotes, scoffing at a Colorado turret's "squatty appearance" or praising a Newport façade for avoiding "excessive use of ornaments which becomes wearisome." And so Robinson goes from house to house, explaining how a Biddle, Duke, Drexel, Morgan or Havemeyer retired young and spent earnings and inheritances on amenities like andirons that literally weighed a ton. She only occasionally profiles a middle-class family house, including a neat 33-ft. cube that Stearns' sister Lizzie commissioned on Jamestown Island near Newport.

Robinson's text can bog down in hard-to-visualize or excessive details: "the second level was comprised of six large chambers and the third had three chambers and several smaller rooms." Compounding that flaw is the book's lack of images. A handful of color plates at the front are appetizing rather than satisfying, and they are not cross-referenced in the text. Some houses, even those that still stand, are shown only in drawings or fuzzy black and white photos, or are puzzlingly not illustrated at all.

In a few cases, the lack of pictures is due to uncertainty. That is, Robinson found sketches in the Boston Public Library's Peabody & Stearns collection that may or may not depict built work. She has not determined whether the architects realized their proposals for a hip-roof log boathouse on an Iowa lakefront, or some shingled summer cottages on the suburban Boston coastline with generous porches and planes of windows. It's a tribute to Robinson's dogged research that she included these unsolved mysteries of Peabody & Stearns, along with mansions that left long archival trails. ■

Phenomenal Place, Place of Phenomena

By Jessica Matteson

igns are prevalent in our lives. They help us navigate territory and efficiently gather large amounts of information. On the surface, what could be wrong with more information? At their best, icons, signs and other visual rhetoric are personal consultants helping us navigate our lives while we occupy our minds with more important concerns. But a problem arises when signage holds more credibility than our own senses. I recently read an interesting article about towns in Germany, England and the Netherlands that suspected drivers' reliance on signs was contributing to an unacceptably high level of accidents. So they took dramatic action, removing road signs, lane markings and even curbs in some cases. Remarkably, they saw a decrease in accidents. Apparently, our senses provide us with more accurate and reliable information than signs do.

When places require us to participate in order to understand them, we become part of them instead of merely being an observer. It makes our experience of place dynamic, personal and highly individual.

Our roadways aren't the only places that could benefit from less overt telling. Many of our personal and public landscapes are little more than messages imposed on the landscape – "Modern and Edgy" or "Cottage Gardens" for example. These semiotic landscapes are imposed on the site rather than generated by it. Because of this they will always be stand-ins for the real thing. They will always make us tune out rather than tune in. A sign can make us blind to our senses.

Sensory involvement with our surroundings is the way places engage us. Fully engaged senses bring us into the present moment and lead us to fully participate in our environment. This awareness not only makes streets safer, but also intensifies our relationship with our surroundings. When places require us to participate in order to understand them, we become part of them instead of merely being an observer. It makes our experience of place dynamic, personal and highly individual.

The art of creating engaging places means embracing a different set of materials. Instead of thinking in terms of stone, wood and plant material, we need to think in terms of movement, light, ephemerality, memory and phenomena. Instead of hardscape and plant material supporting a program of terrace and pool, light and movement should support an ephemeral moment in the late afternoon in July.

A friend of mine bought a sliver of land on a tidal marsh in Georgia. On the site he set up poles with flags at different heights and a chair. For a full year he observed the air movement, the light and the tides before hiring an architect. The result is an elevated, three-story sliver of a house that allows the marsh and tide to sweep under it. One has to cross a bridge to get to the front door. A vertical core of screened porches runs from the lower entrance to a sleeping porch on top. The wind accelerates through each porch opening at a different speed; the higher the porch, the greater the breeze. The result is a home that sets the stage for sensory experience by measuring the phenomena of the site. Every visit is a unique encounter with the environment. It is fair to say that the house is designed as much with marsh, wind, tides, shade and prospect than with wood, glass and hardware.

The challenge of designing for an infinity of unique moments is immediately obvious. When one designs for a moment, there is a lot more to understand, consider and ultimately design. In my opinion there are three critical components to making a landscape that compels us to participate: **Site resonance:** The process begins with sensitive observation and interaction with the site. Sites have an organizational force of their own. It is worth developing a personal method to measure sound, views, light patterns, air movement, animals, topography and other phenomena. There is art in the way one measures and interprets phenomena that is ultimately translated into the design.

The event: "Eventlessness has no posts to drape duration on" was John Steinbeck's observation that time is measured by events. Creating the circumstances for an event has less to do with painting a picture than setting the stage for an occurrence that brings about awareness. Design for the meaningful moments in our lives, such as eating, playing, arriving and socializing, with phenomenal materials such as light, movement, reflection and water.

> **Memory:** Engagement happens suddenly and then gradually. After the initial encounter a memory is created that colors each subsequent interaction. A place becomes imbued with meaning from the ritual of daily living and memory becomes yet another

sense with which we experience our surroundings. This furthers a personal relationship with our environment. If the designer is successful in creating a place that sets events in motion, the place will be memorable. There is another aspect of memory to consider: A visitor comes to a new experience with the baggage of their previous experiences – considering this will make a more successful design.

Innisfree in Milbrook, NY, is a good example of a garden that uses site resonance, sensory engagement and participation to create vivid encounters. It is interesting because it embraces a gardening tradition but is also intensely local. The fact that I am writing about it now, after only two visits seven years ago, is evidence of its engaging nature.

Innisfree could not exist in any other site but its own. Set in a lake hollow, the garden employs an organizing strategy that the creator, Walter Beck, called a Chinese Cup Garden. The garden is made up of numerous three-dimensional compositions of rocks, landforms, paving, sculpture, water and plant material. The compositions orbit around one another to create spaces of tension and dynamic energy. The circular energy of the orbiting compositions is a reflection of the organizing energy of the site. This adds legitimacy to the design that the visitor feels intuitively.

Although many parts of the garden don't have paths, the compositions instigate movement around and through the garden. Depending on the season, the weather or the visitor's mood, a new garden is created by each visitor at every visit. The participatory experience of being a co-designer – of setting the terms of one's own experience – makes it highly personal. The design doesn't exist in its best form without the action of moving through it. Understanding comes from participating, not from standing and looking.

Full sensory engagement with the environment is the original human experience. In a modern world where information is processed and displayed in virtual reality people need places to come to their senses.

Jessica Matteson is a landscape architect with James Doyle Design Associates in Greenwich, CT. She holds a Master of Landscape Architecture and a Bachelor of Science in Horticulture from Cornell University.

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