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WATER SHAPES

Design • Engineering • Construction

Volume 5
Number 12
December 2003
\$5.00



**Watershapes Index
1999-2003**

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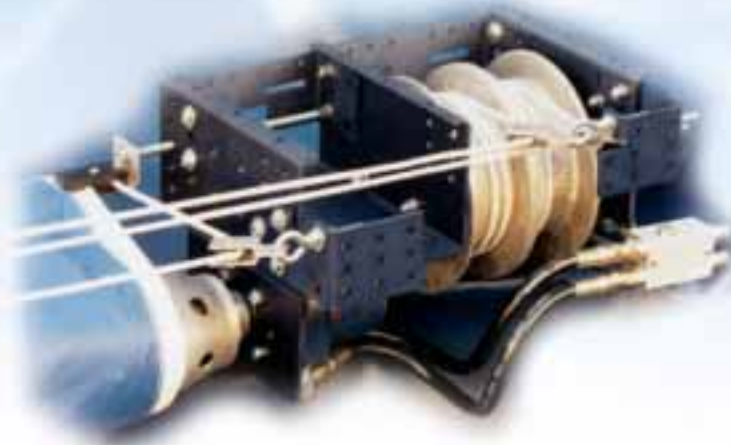
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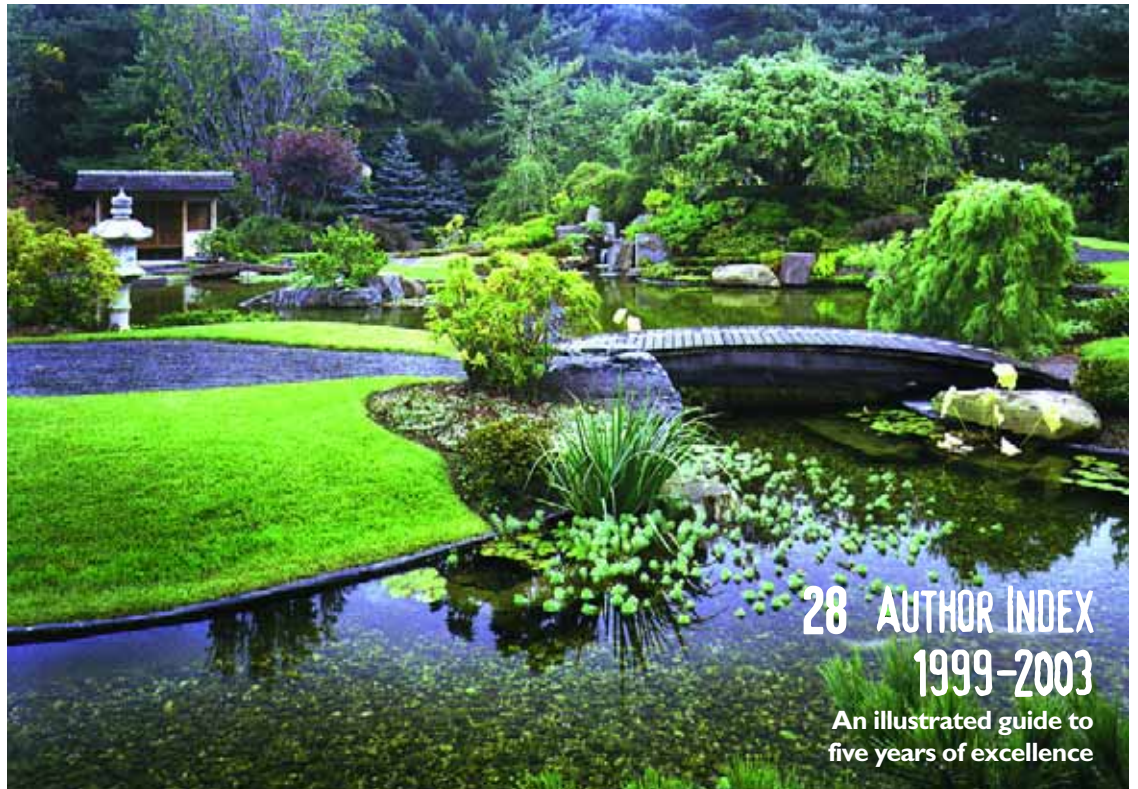
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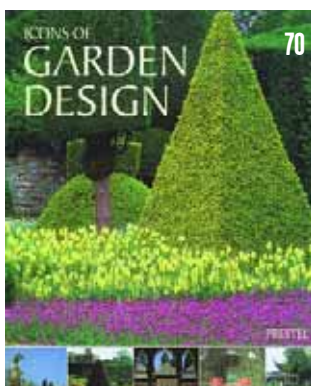
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Taking Shape

The issue you hold in your hands marks the completion of *WaterShapes*' fifth year in print – a milestone that I can't believe is happening so soon.

It doesn't seem all that long ago that publisher Jim McCloskey called me over for one of his "moving meetings." It started at his home office, where he began telling me about a flash he'd had a few days earlier while (appropriately enough) sitting in his spa. As we walked for miles through his neighborhood on that sunny morning in the spring of 1998, he shared his hunch that the time was right to launch a magazine focused solely on the design, engineering and construction of man-made bodies of water.

Many months and hundreds of hours of research and exploratory conversations later, we pulled the premiere issue of *WaterShapes* off the presses in February 1999. The name of the magazine was unusual, but we've always seen it as appropriate because the content we've discussed and collected has been equally unusual, coming as it does from a mix of landscape and pool/spa professionals with information on pools, spas, fountains, ponds, streams, waterfalls and every other form of contained, controlled water anyone can think of.

For a time, I must say, both the people we asked to participate as authors and many of the prospective advertisers we asked to support our cause were, well, a bit *unsure* of the approach we were taking.

In fact, those of us who worked on the publication in those early days spent an *amazing* amount of time simply explaining what we meant by the term *watershape* and why we saw value in the confluence of industries the newly coined term described. We discussed it, then as now, as a bold, new direction – "a new magazine for a new millennium" – and as a new way of looking at the business of making recreational and decorative bodies of water.

Some told us they'd be surprised if we survived past our first issue, and the more generous among the skeptics gave us a year or two. But many more among you were quick to latch onto the broad creative discussion we were working to encourage – and it gives us much more than a small measure of pride to say that the supportive voices have turned out to be both more prescient and *much* more persistent.

To celebrate the event of our Fifth Anniversary, we offer you this very special issue: a complete index of all the columns and feature articles we've published during the past five years, along with a generous selection of images intended to trigger your memories and give you the keys you need to unlock a treasure trove of ideas, information and resources.

On one level, it's a tool you can use when looking for features and columns we've provided, broken out by author and categorized into broad topical areas. On another level, it's a remarkable testimonial to the extent to which people in the industry – designers, engineers and builders as well as suppliers – have gotten behind the magazine and breathed abundant life into its pages, issue after issue.

Speaking for myself after five years with the magazine, I recognize the incredible opportunity I've been given to work with highly creative and decidedly adventurous people from all corners of what can now be called the Watershaping Industry. And the best, as they say, is yet to come!



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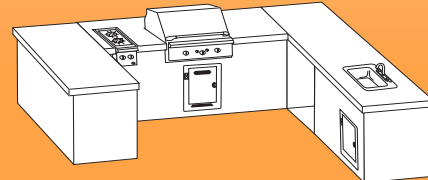
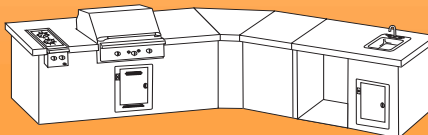
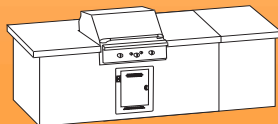
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As its title suggests, Eric Herman's column opens each issue with the aim of providing readers with a conceptual framework for approaching the feature articles and columns that follow.

When inspired by the content of a given issue, "Structures" has explored thematic threads that run through the publication. Other times, the column has stepped back to offer insights on the emergence of the magazine as an outlet for information and a forum for ideas.

With its "by the trade, for the trade" format, *WaterShapes* is indeed an unusual forum, and "Structures" has always been the key, offering the perspectives of an observer who revels in the potential the magazine has to advance its industry.

The Magazine/Philosophy

Across the Waters: The value of looking 'over there.'
Nov/Dec 00:6

Artful Borrowings: On embracing precedent in water-shape design. Dec 99:6

Choice Words: Selecting your terms carefully. May 01:6

Core Values: Beauty more than skin deep. Jan/Feb 01:6

The Future is Now: The joy of working outside the box. Jan 00:6

In Praise of Vision Casters: Establishing a forum for visionaries. Mar 01:6

New Words for a New Era: A modest proposal for the

nation's dictionaries. Feb 99:6

Passion Plays: Opening doors to participation. Mar 02:6

The Power of the First Person: Finding value in personal perspectives on watershaping. Apr 99:6

Powerful Influences: Appreciating the power of ideas. Jul/Aug 01:6

Pride, Not Pretense: High-end projects, mass-scale inspiration. Feb 00:6

Resolving Resolution: Photography in the Digital Age. Jun 03:6

Starting to Click: Making a case for taking pictures. Mar 00:6

The Ultimate Canvas: Tuning in on vicarious pleasures. Oct 02:6

Watching Rivers Run: Working in natural terms. Oct 01:6

Industry Trends/Events

Almost Too Easy: A convenient coincidence. Sep 03:6

Arriving at Common Ground: Time to blur some lines between trades. Aug 99:6

Beginning with the Finish: Checking in on the 'plaster movement.' Jun 99:6

Higher purposes: Shaping water with earnest intentions. Apr 03:6



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Information Access: Gaining access to watershapers. Oct 03:6
Recipes for Fun: Watching an emerging art form. Mar 03:6

Education/Industry Development

All Around You: Opening yourself to true inspiration. Apr 01:6
Choosing Your Path: Designers, contractors and a balancing act. Jun 02:6
Easing Troubled Waters: Keeping your good mood on the job site. Oct 99:6
For All You Know: On being paid for your design skills. Oct 00:6
Fountains of Use: In praise of open communication. Feb 02:6
Generation G: The influence of the Genesis 3 movement. Jun 01:6
The Heart of the Art: Exploring the world of hydraulics. Apr 02:6
Proof Positive: On realizing ambitions. Jan 03:6
Right from the Start: A role for passion in creating great art. Jul/Aug 02:6

Watershapers and Watershaping

All Ears: A special day in the life. Sep 02:6

Beneath the Scene: Putting technology in a natural context. Feb 02:6
Blissful Visions: Making personal dreams come true. Sep 00:6
Comfort, Fun and Beauty: Striving for the good things in life. Jun/Jul 00:6
Echoes of Laughter: Memories of 'interactivity' Sep 01:6
A Hidden Place: Experiencing the sublime. Jul 03:6
Historic Resonance: Common ground in diverse experiences. Aug 03:6
The Journey Continues: Celebrating our culture and our times. Jan 02:6
Monuments in Water: A watershaper's hit parade. Nov/Dec 01:6
Now and Then: Reviewing our creative traditions. Nov/Dec 02:6
A Path Discovered: Water and the stirring of the spirit. Apr/May 00:6
Places to Remember: Resonance in special spaces. May 03:6
Teaming with Potential: Defining a value for teamwork. Nov 03:6
Temples of the Spirit: Designing with form and function in mind. Aug 00:6
Where the Action Is: Visiting a new competition pool. May 02:6



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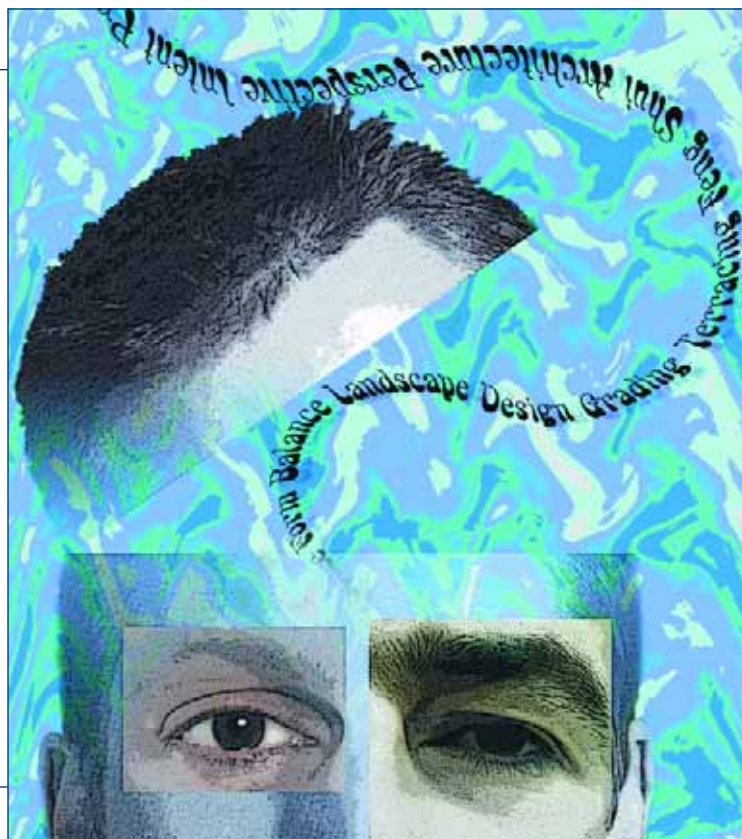
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Brian Van Bower has long been one of the watershaping industry's most prominent leaders and accomplished teachers, and his columns have appeared in every issue of *WaterShapes* that's ever been published.

In writing "Aqua Culture," he's drawn on a wealth of experience at all levels of watershape design and construction while communicating with authority on topics ranging from personal philosophy and motivation to sales strategies, organization and business and project management – not to mention travel, wine and the culinary arts.

His columns are the magazine's touchstone, infusing it with positive energy, injecting humor, drawing on vast experience and know-how and demonstrating an all-out willingness to explore the realms of creative expression, artistic influence and ideas.



Attitude/Mindset/Philosophy

A Call for Ambassadors: Building toward an industry that looks outward. Feb 99:10

In These Best of Times: Extending success for the long haul. Mar 00:10

The Power of Your Mindset: Is your attitude everything it should be? Apr 99:10

Quality Don't Come Easy: Isolating the seeds of mediocrity. Mar 01:10

Ready, Set, Goal: Keys to effective goal setting. Nov/Dec 02:10

Solid Foundations: Attitude and the keys to great impressions. Jun 99:14

Time's Not on Your Side: How well do you manage your minutes? Oct 02:10

To the Good Life!: Where watershaping meets good living. Sep 01:10

Why Good Competition Is Great: The elements of 'positive' competition. Dec 99:10

The Wonder of Moving Water: Making the most of motion. Jan 00:10

Client Relations/Marketing

Are You Smiling?: It all begins with a grin. Jan 02:14

Bidding on value: Earning your

seat among a project's major players. Oct 00:10

Bringing Visions to Life: Helping clients 'see' what you're selling. Sep 00:10

Client Collaborations; Ready for the first face-to-face meeting? Aug 99:10

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watershapes: aqua culture index 1999-2003

Communicate and Coordinate:
Critical paths to building trust.

Jun 03:12

The Dotted Line: A guide to setting up design contracts. Jun 01:10

Finding the Garden Path: A voy-

age of discovery on the green side.

Apr 01:10

In Search of Balance and Harmony: A sensible guide to an Eastern design philosophy.

Apr/May 00:10



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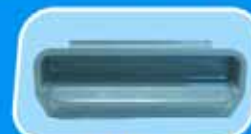
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April 2001

Design Issues/Materials/ Construction Processes

Artistry in Hot Water: Easing your clients into spas. Feb 03:10

Bright Ideas: Ever consider what happens after sunset? Nov 03:10

Devils in the Details: The need to

read and understand plans.

Apr 03:10

Finding a Way: Building in a sense of mobility. Jun 02:10

Just the Opposite: Why not defy the working norms? Apr 02:10

Made in the Shade: Exploring the

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Value by Design: A short course in the role of design services. Oct 99:10

Education/Career/Industry Roles

Are You Experienced?: Can you really call yourself a designer?

May 01:14

The Best Medicine: Taking a positive view of the future. Feb 02:12

Education or Litigation?: A learned path around courtrooms.

Mar 02:10

Fair Exchange: Communication as a two-way street. Oct 03:10

Fear Not the Future: Charting trends for the new millennium.

Feb 00:10

Hemispheres of Interest: Cultivating a real hunger for knowledge. Nov/Dec 00:10

In Search of Community: Aligning a new trade entity.

Jul/Aug 01:10

Paying the Front-Runner's Fee: In praise of our risk-takers. Oct 01:10

The Power of Interest: The true value of networking. Sep 02:10

We Can Do Better: Pathways to an upgraded image. May 03:12

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beauty of shade structures.

Jan/Feb 01:12

The Main Ingredient: Putting water to work. Jan 03:14

Material Issues: Defining options and customer choices.

Nov/Dec 01:10

Neat and Clean: Staying on top of job-site management. Aug 03:10

On the Road: Taking your act to a wider marketplace. Jul/Aug 02:10

Permitting the Process: Managing expectations before the digging begins. Jul 03:10

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April 2003



Proportional Response: Defining a role for tasteful restraint. Sep 03:10

Stepping Into Paradise: Finding nature in 'natural' designs.

May 02:10

Thriving in the Material World: Making the most of what's available.

Jun/Jul 00:10

Wanted – Water Artists: Skills with a fluid medium. Aug 00:10

Warming to the Touch: Settling into hot-water design. Mar 03:14 **WS**

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In every issue of *WaterShapes* ever printed, Stephanie Rose has defined the connection between watershapes and their surroundings and encouraged the magazine's readers to make the most of the *entire* canvas offered by any given project.

That's no small bite, given decades of *disconnection* between the landscaping and watershape-construction trades. Through "Natural Companions," however, Rose has argued consistently and persuasively that plant life, landscape features and overall visuals are essential and defining ingredients in the aesthetic beauty and enduring appeal of all forms of decorative or recreational water.

It's a position that transcends geography and climate and has made her column a staple in the magazine's diet of information and inspiration.



Definitions/Roles/ Collaboration

Bridging the Gaps: Setting points of departure for a valuable new dialogue. Feb 99:14

Changing Zones: Working outside your familiar climate. Nov/Dec 02:18

Defining Roles: Who does what in the watershaping process? Apr 99:14

In the Zone: Do you understand climate zones? Sep 02:18

Maintaining Investments: Approaching the upkeep issue. Mar 01:74

Making Connections: Keys to working well away from home. Jan 03:20

Professional Relations: Making the most of working relationships. Oct 02:18

Plantings

Considering the Truly Unusual: Pond flora on a colossal scale. Oct 00:18

Designing with Water Plants: Keys to designing with aquatic flora. Jan/Feb 01:22

The Dirt on Soil: Exploring soil types, tests and amendments. Mar 03:22

Edible Landscapes: Setting the

table with plants you can eat. Jul/Aug 01:18

Edibles by the Water: Which plants work best around watershapes? Sep 01:16

The Fern Factor: Do you see these plants in your future? May 02:22

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Going Grey: Putting greys to work in a landscape. Sep 03:18

In Praise of Shade: Finding plants that thrive in the shadows.

Jun 01:16

It's Always Something!: Staying ahead of plants' little surprises.

Nov 03:22

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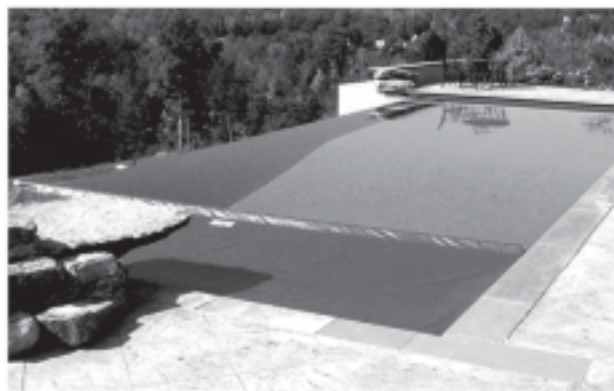


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Widely regarded as one of the watershaping industry's great creative forces, David Tisherman has used his column in *WaterShapes* to communicate about specific techniques, qualities and features he has used to elevate his work.

As both teacher and provocateur, he has bluntly urged readers to wake up to every project's design possibilities. He hasn't minced words, but his intention – his raw desire to get watershapers to see the world in more sophisticated ways – is borne of his conviction that watershapes can and should be seen as works of art.

He may have stepped on the occasional toe, but his "Details" define a world of possibilities best obtained through an unyielding pursuit of quality and excellence.



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The numbers tell the story: The past five years and 45 issues of *WaterShapes* have seen publication of 176 articles written by more than 120 watershaping professionals. The success and value of the magazine extends from the willingness of these professionals to give of their time and energy to communicate what they know and what they've learned to other watershapers.

In testimony to the power of the forum, these contributions have come from the mainstream as well as the farthest-flung corners of the WaterShaping Industry – from pool builders and pond installers as well as from fountain designers, Japanese gardeners and a range of talented artists, engineers and suppliers.

Note: In this special Index Issue, individual copies of the magazine are referred to using a simple shorthand that calls out the month (or months) of publication and the year, followed after a colon (:) by the number of the item's opening page.

ADAMS, HOLLI. Public Forms and Functions: Creating variety and excitement with today's community pools. Aug 99:34

AFFLECK, RAFF. Liquid Mettle: Shaping steel and water in playful combinations. Feb 02:50

ALPERSTEIN, KEN. Digging the Quarry: Imposing beauty on a beastly landscape. Jul 03:52
— Great Lengths: The amazing underpinnings of golf-course watershapes. Mar 01:50

ALTORIO, JOHN J. A Modest Monument: A small fountain with historic ambition. Jun 02:30

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ANDERSON, RICK. Cutting a Channel: An expert's guide to laying out natural streambeds. Apr/May 00:34
— with Brian Van Bower, Richard Dubé, Skip Phillips and David Tisherman. Designing a New Paradigm: A roundtable exploring the pool/landscape connection. Dec 99:56
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— A Stream Comes to Life: Lending depth, dimension and detail to watercourses. Oct 00:44

— Stream-Lined Effects: Keys to making a beautiful stream work beautifully. Jun/Jul 00:54

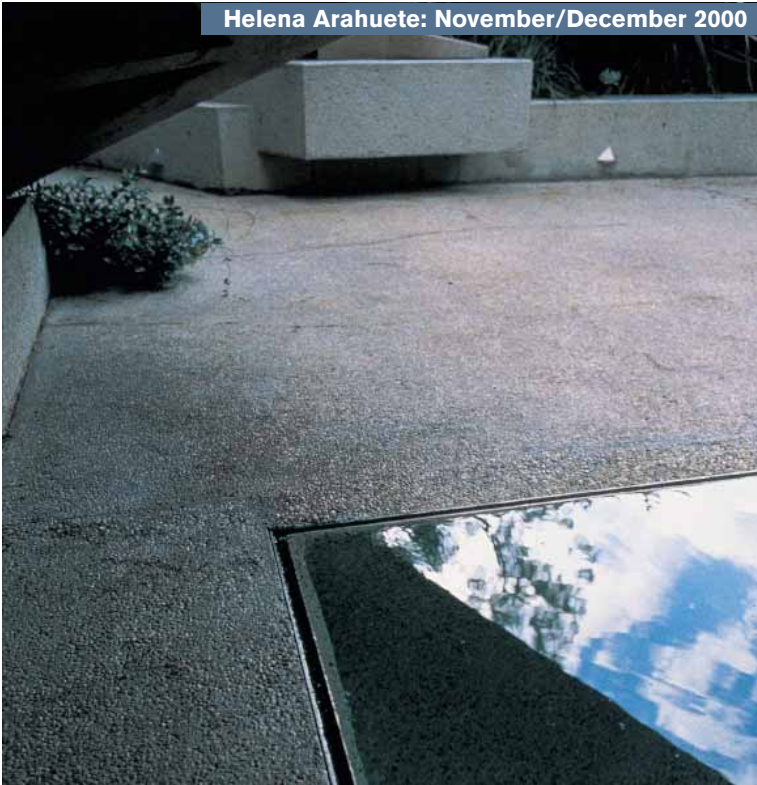
— Where Streams live: A field guide for truly natural design. Aug 99:26

ANDREWS, DAN. A Real Glass Act: An ancient art form meets Computer Age technology. Feb 00:46

Rick Anderson: November/December 2002



Helena Arahuete: November/December 2000

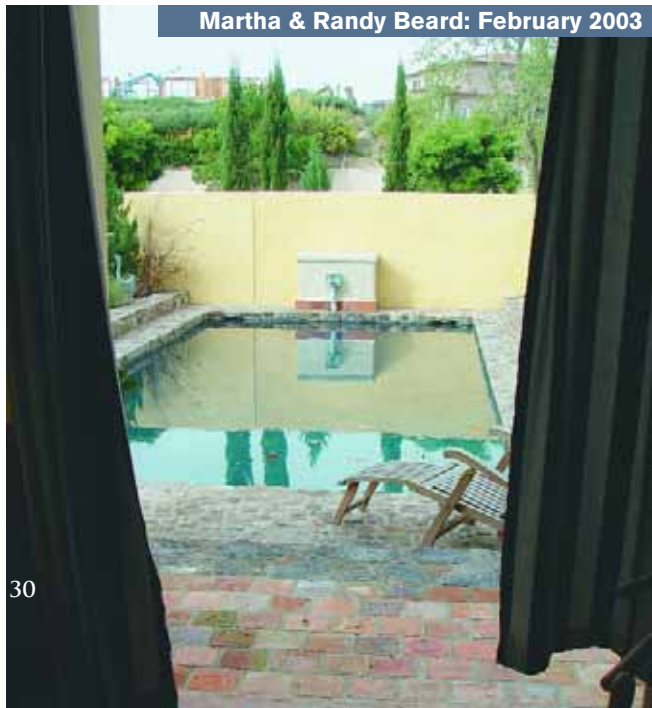


ARAHUETE, HELENA. Organic Artistry: John Lautner – and a role for watershapers. Nov/Dec 00:34

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— and Randy Beard. Exterior Motifs: Building to suit a designer's vision. Feb 03:34

BEARD, RANDY, and Martha Beard. Both Sides Now: Worthy partners in awesome projects. Jun 02:48
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— Kitchens of Distinction: New frontiers in backyard design. Mar 03:42

— Strands of Light: The ABCs of installing fiberoptic systems. Mar 01:44

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E.J. Biernesser: February 2002



BIBBERO, RICK. Every Boulder Tells a Story: An expert's guide to special rocks for unique applications. Jun/Jul 00:38

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BIERNESSER, PETE, E.J. Biernesser and Mike Raible. Up on Rocky Top: Restoring a shoreline on the grandest scale. Feb 02:36

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Eugene R. Bolinger & Johannes H. Wagner: May 2003



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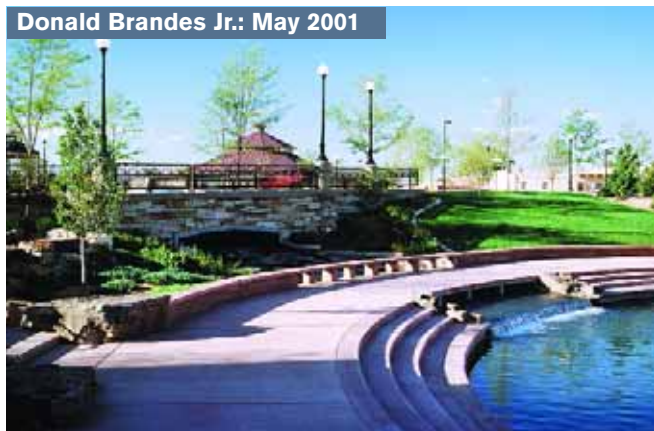
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Donald Brandes Jr.: May 2001



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— A Seaside Classic: The romance of an aquatic trend-setter. Jan 02:48

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CANON, LEAH, and Clint West. Rendering a Visual Assist: Working with artists in the watershape-design process. Dec 99:66

CHAPMAN, KIRK. Subtle at the Surface: Making hybrids with pebbles, ceramics and glass in the mix. Jan 00:46

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DAVITT, KEITH. Small Wonders: Designing watershapes for tiny yards. Sep 00:22

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DEWS, BOB. The Hidden Source: A look at techniques for masking headwaters. Apr 02:50
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— and Suzanne Roe Dirmsmith. Winter Delights: Finding the beauty where fountains freeze. Apr 01:32

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DIRSMITH, SUZANNE, and Ron Dirmsmith. Helping Hands: A pool built with a special child in mind. Jul 03:46
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Ron & Suzanne Dirmsmith: April 2001





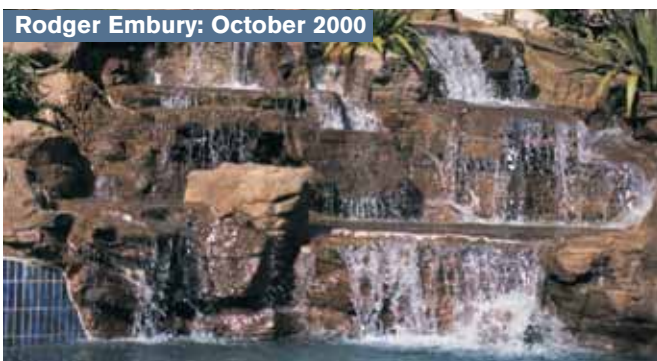
DIXON, BEN. Custom Contours: Techniques for giving a most interesting twist to water walls. Feb 99:38

DOBBS, ERIC. At Play in the Fountain of Life: A whimsical watershape for a desert community. Oct 01:36

DOWNES, LOU. On Common Ground: The virtues of lively collaboration. Apr 03:42

DUBÉ, RICHARD, Brian Van Bower, Rick Anderson, Skip Phillips and David Tisherman. Designing a New Paradigm: A roundtable exploring the pool/landscape connection. Dec 99:56

DUNN, G. BRUCE. Core Value: Quality, profit and mid-range pools. Jul/Aug 02:44



EMBURY, RODGER. Instant Geology: Molded panels bring vivid details to rockscapes. Oct 00:52

ESSER, JOE. Modular Marvels: A step-by-step look at installing modular pools. Apr/May 00:42

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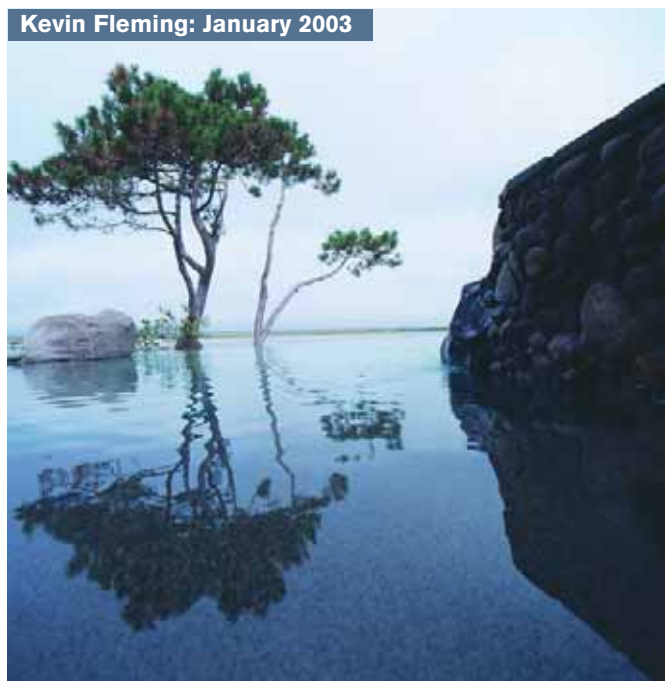
FINLEY, ELIZABETH NAVAS. Back to the Garden: Defining the fundamentals of Japanese garden design. Dec 99:28



FINTEL, BILL. Wings on the Water: Crafting watershapes to attract wild birds. Jul 03:34

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George Forni: March 2000

FORNI, GEORGE. Great Little Lakes: Defining qualities that make lakes beautiful and enduring. Mar 00:50

— The Power of Flowers: Watershapes fit for a classic conservatory. Nov 03:66

FOWLER, MIKE. Helping Habitats: Filtering a watershape for big marine mammals. Mar 03:34



Jean Garbier & John Jennings: November 2003

FREEMAN, JEFF. Remote Patrol: Hydraulics to the rescue in Panama. May 03:36

GARBIER, JEAN, and John Jennings. Water in the Desert: Draping a waterpark over a spectacular setting. Nov 03:38

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GIBBONS, RON. Stars on the Wetlands: An unusual project yields stellar results. May 02:54

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GUNN, ANNE. Water and Whimsy: Art and technology in a folksy fountain. Jun 03:30

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— Water Under Pressure: An inside look at flow and line velocity. Apr 03:48



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Hal Hagen: October 2001

HAGEN, HAL. The Soul of the River. Borrowing nature's ways to restore life to watercourses. Oct 01:42

HANSEN, RICHARD. Poetry in Stone: Exploring harmonies between rock and water. May 03:48

HARE, FRED. As Good As It Looks? What every builder should know about hydraulic design. Apr 99:36

HARRIS, GLENN. Inside Moves: Calling for a fresh take on interior finishes. Jan 03:52

HART, KEN. Making Models Super: Diverse designs add texture to an upscale development. Jan 00:22

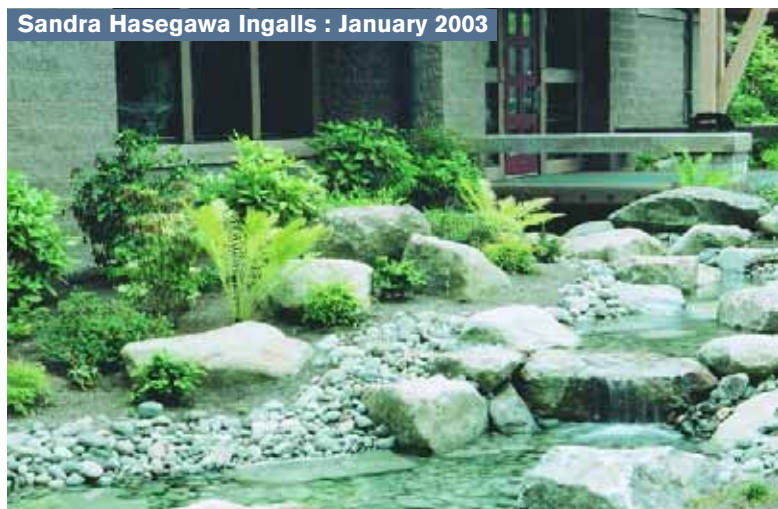


Richard Hansen: May 2003

HASEGAWA INGALLS, SANDRA. A Clear, Clean Public Service: Channeling the symbolic power of watershapes. Jan 03:58

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HEBDON, DERK. Making the Wild Waters Flow: Using local scenery to inspire naturalistic streams. Sep 03:30



Sandra Hasegawa Ingalls : January 2003

HERMAN, ERIC. International Flavors: Checking in on work being done around the world. Nov/Dec 00:54
— A Tasteful Genesis: A pictorial look at the school's first graduating classes. Dec 99:36

HERMAN, GLENN, and Janet Rosenberg. Refined Expressions: The art of responding to clients and a setting. Sep 02:30

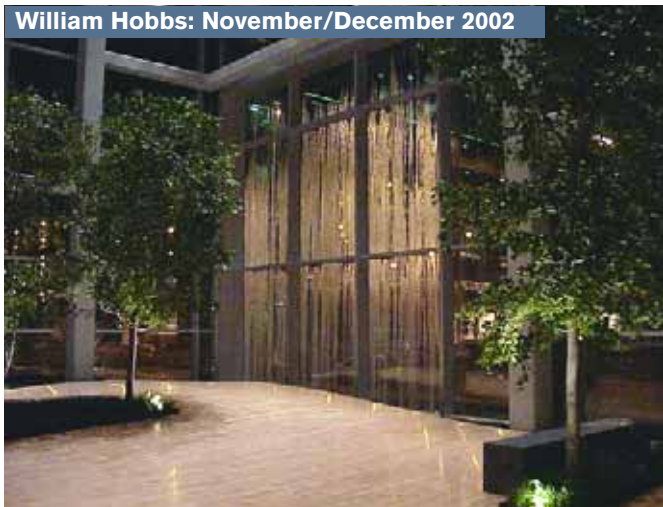
HERSMAN, MIKE. Night Visions: Lighting design for exterior spaces and watershapes. Feb 00:24

HETZNER, MARIA. Falling Water: Sheet waterfalls and the drama of the drop. Sep 00:48



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William Hobbs: November/December 2002



HOBBS, WILLIAM. Timeless Impressions: Exploring the ingenious watershapes of Maya Lin. Nov/Dec 02:64

HOLDEN, MARK. A Classic Crescendo: Bringing a huge project to completion. Jul/Aug 02:56

— Classic Persuasion: Period details in a timeless renovation. Aug 03:48

— The Crest of the World: Bringing watershapes to a true California classic. Jan/Feb 01:32

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MELANIE. The Power of Passion: An inspired client is a helpful, creative client.

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JENNINGS, JOHN, and Jean Garbier. Water in the Desert: Draping a waterpark over a spectacular setting. Nov 03:38

KNIGHT, STEVEN. Fun in the Sun: A paradise tailor-made for kids of all ages. Mar 01:36

Melanie Jauregui: April 2001



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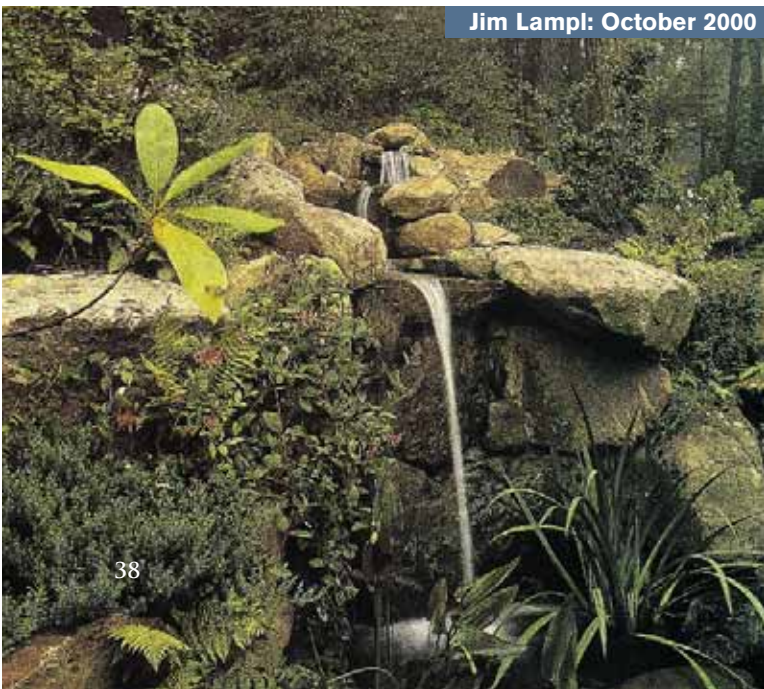


KUNTZ, STEVEN. Standing Tall: Exploring nuance through water and wood. Jun 03:36

LACHER, RON. Expansion Solutions: Concrete ways to prevent deck lifting and cracking on expansive soils. Feb 99:46

— Ground Work: Defining the value of structural engineering. Jul 03:40

Jim Lampl: October 2000



LAMPL, JIM. Natural Intuitions: Using classic principles in striving for 'impact.' Oct 00:24

L'HEUREUX, PAUL. Dancing Waters: An introduction to sequenced waterfeatures. May 01:36

— Les Fontaines Internationales: It takes discipline to build watershapes on a global scale. Mar 00:22

— Guiding the Lights: Approaches to enhancing the beauty of moving water. Mar 02:48

— Light Sensations: The practical art of lighting water in motion. Oct 02:38

— Stretching Water: Techniques for adding height to laminar flows. Nov/Dec 00:46

Paul L'Heureux: November/December 2000



LONG, LARRY. Bent to Last: A step-by-step look at setting steel cages for watershapes. Mar 00:42

LUCAS, STEVE. A Classic Restored: The tale of a huge job made possible by planning. Jun 99:56

— Wild for Tigers: Building watershapes for a carnivorous clientele. Aug 00:36

LUEBTOW, JOHN GILBERT. Liquid Glass: Modern sculpture with a free-flowing sensibility. Jan/Feb 01:58

MACAIRE, KEN. Casting Good Impressions: Making bold statements with faux-rock formations. Feb 00:32

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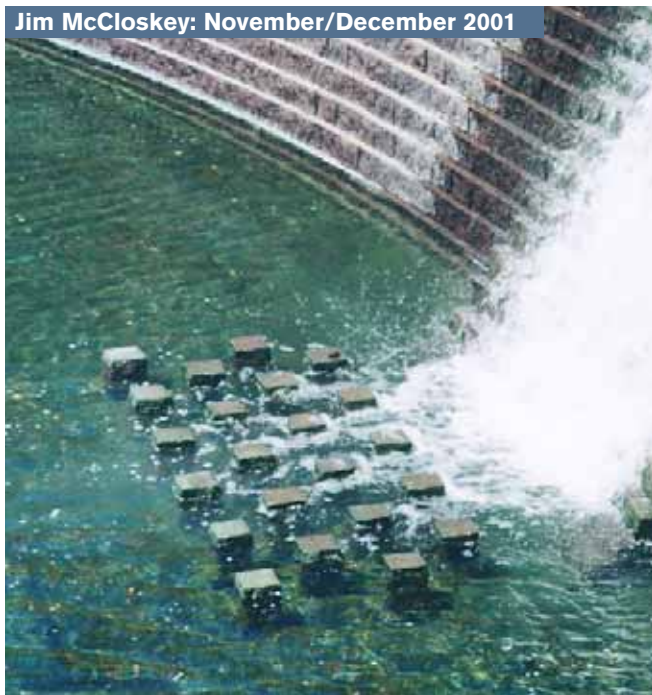
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Wednesday, February 18, 2004
8 a.m. - 5 p.m.

Thursday, February 19, 2004
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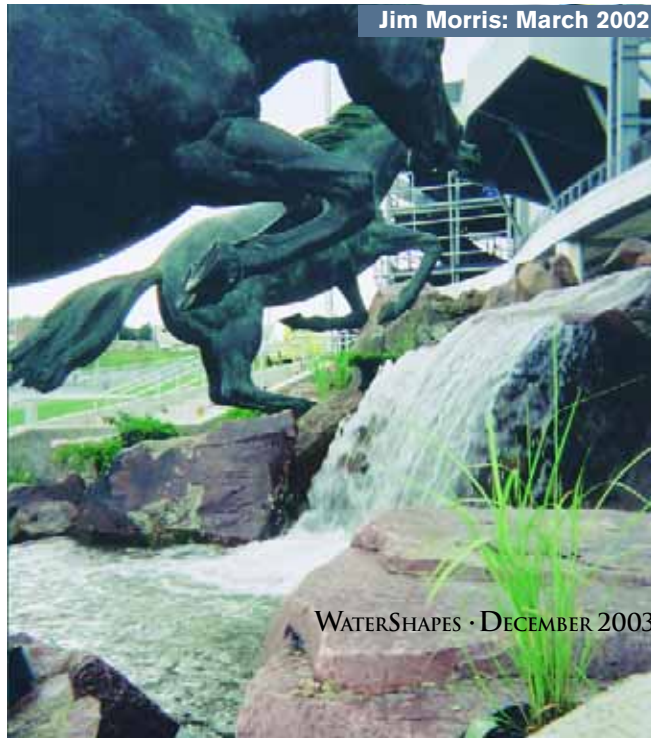
Jon Mitovich: February 2003



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— and Mike Farley. Site-Specific Solutions: Keys to linking designs to a space's individuality. Mar 01:26

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— Gaining an Edge: Creative relationships between water and deck. Jun 99:24

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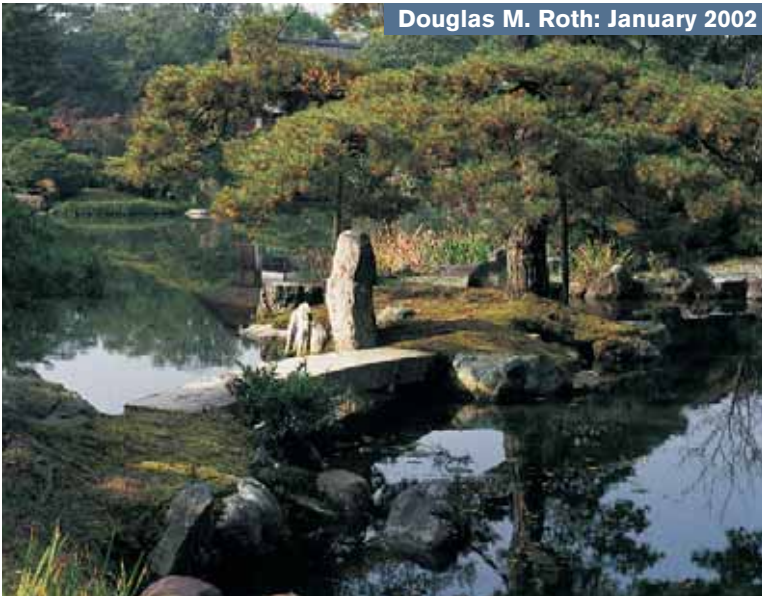
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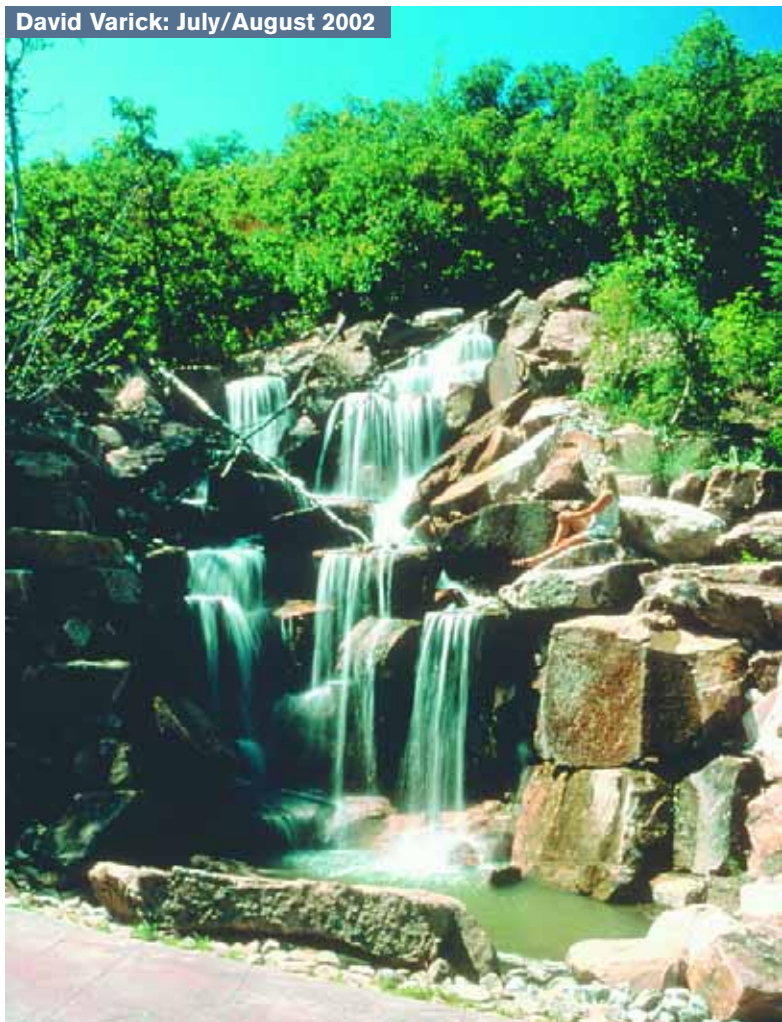
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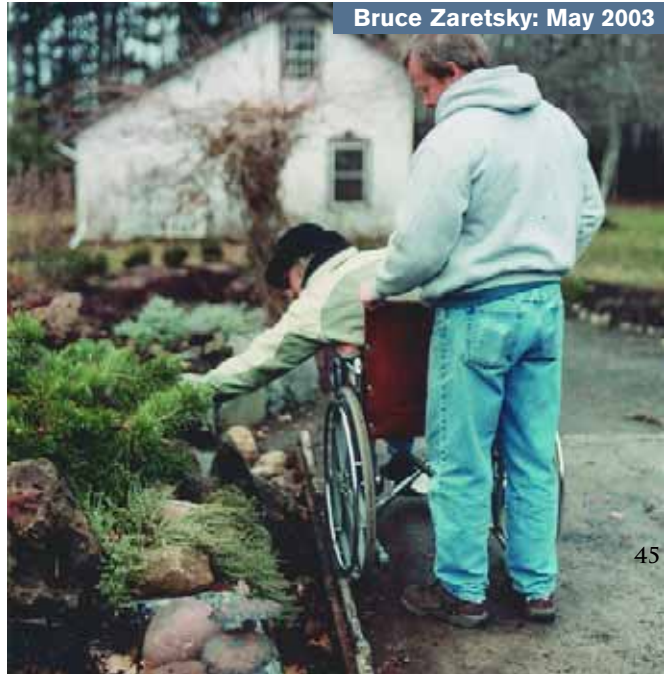
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— The Making of a Great Wall: Tips on keeping slippery slopes up where they belong. Jan 00:38

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The diversity of subjects covered during *WaterShapes*' first five years of publication is eloquently on display in this Article Topic Index. Focused by more than 30 main headings and covering well in excess of 250 sub-categories, the entries demonstrate the full range of interests of the designers, engineers, builders and suppliers who've contributed articles ranging from the minutely technical to the broadest of philosophical discussions.

Assignment of articles to given categories and sub-categories is necessarily a subjective process, but every attempt has been made to fit each article into the topical matrix in multiple categories and sub-categories to reflect the full content and implications of each writer's work.

Note: In this special Index Issue, individual copies of the magazine are referred to using a simple shorthand that calls out the month (or months) of publication and the year, followed after a colon (:) by the number of the item's opening page.

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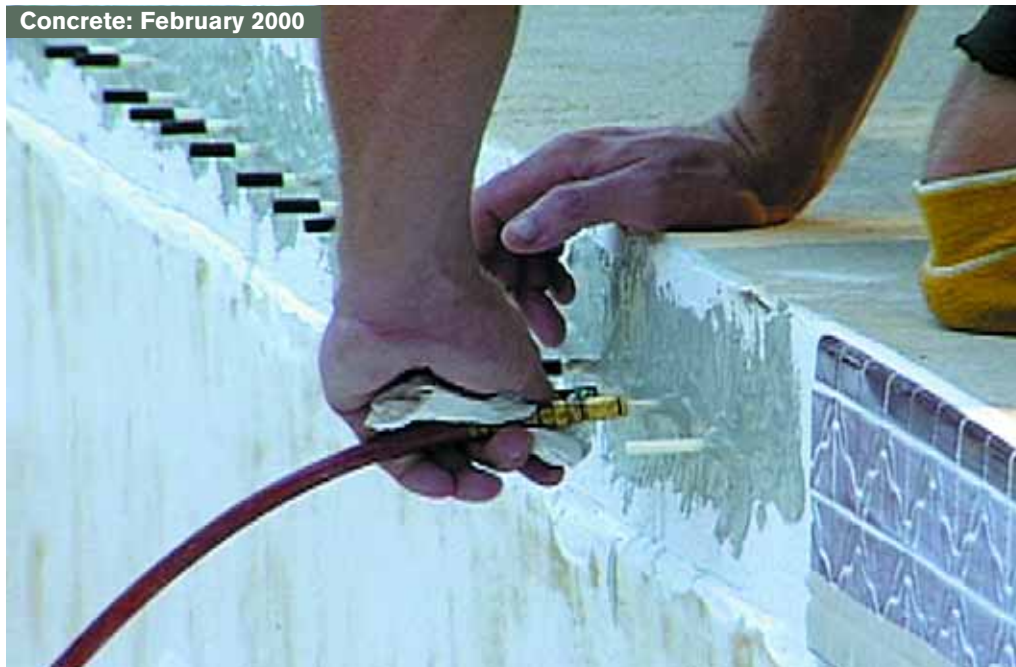
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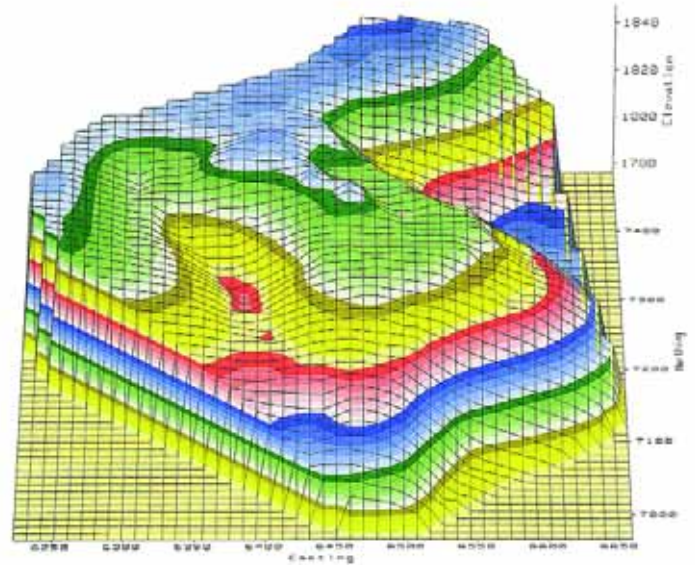
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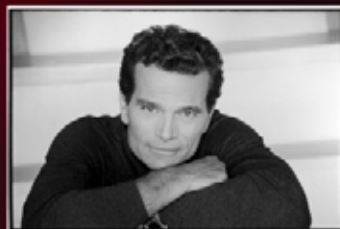


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Landscape Construction: March 2003

Landscape construction,

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Rockwork, Artificial: October 2000

Rockwork, artificial,

design, Feb 00:32; Jun 01:26; Sep 02:42

installation, Feb 00:32; Jun/Jul 00:46; Oct 00:52; Jun 01:26;
Sep 02:42

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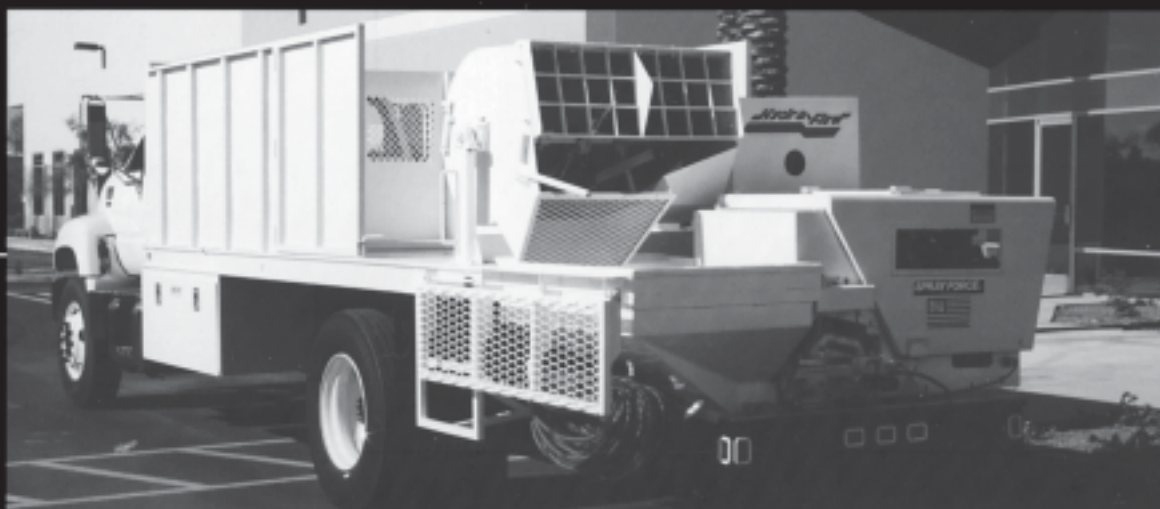
Nov/Dec 02:64; May 03:48; Jun 03:30; Jun 03:36;

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The balance of the Genesis Programs are part of the Aqua Show's educational package:

Tuesday, January 6

8:15-9:30 am: The Projects and Philosophies of Genesis 3, with David Tisherman, Skip Phillips and Brian Van Bower.

9:45-11:15 am: Job Costing for Profit vs. Existence, with Brian Van Bower.

Wednesday, January 7

8:15-9:30 am: You Are What You Think, with Brian Van Bower.

9:45-11 am: The Art of Conquering Difficult and Unusual Projects, with David Tisherman.

11:15 am-12:30 pm Genesis Edge Program, with Skip Phillips and Brian Van Bower.

Thursday, January 8

8:15-9:30 am: Structural Engineering, with Ron Lacher.

9:45-11 am: Basic Understanding of Soil Conditions, with Ron Lacher.

11:15-12:30 pm: Hydraulics for Pools, Spas and Waterfeatures, with Skip Phillips and Steve Gutai.



Professional Drawing & Presentation School

In Los Angeles in April 2004, Genesis 3 co-founder and principal instructor David Tisherman will lead an intensive, week long, professional-level course designed to show participants what it really takes to develop top-flight drawing and presentation skills.

Open to a limited number of applicants, the school will cover rendered flat plans in multiple presentation formats, markers, vegetation, surface materials, water effects, elevations, color perspective rendering and much more.

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Soils and Geology: June 1999



Soils and geology,

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Oct 02:48

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teaching with, Jan 03:58; Apr 03:34; May 03:42

Streams: July/August 2002



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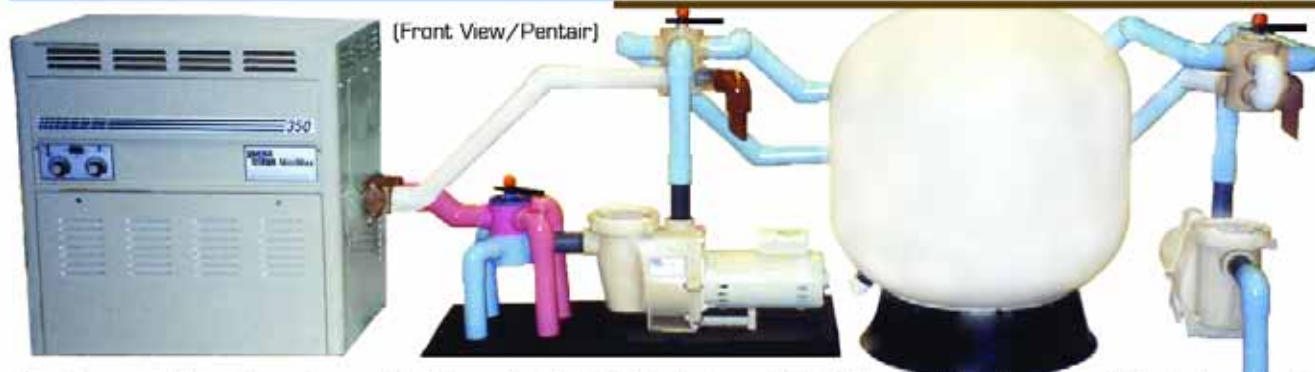
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Pure White=====
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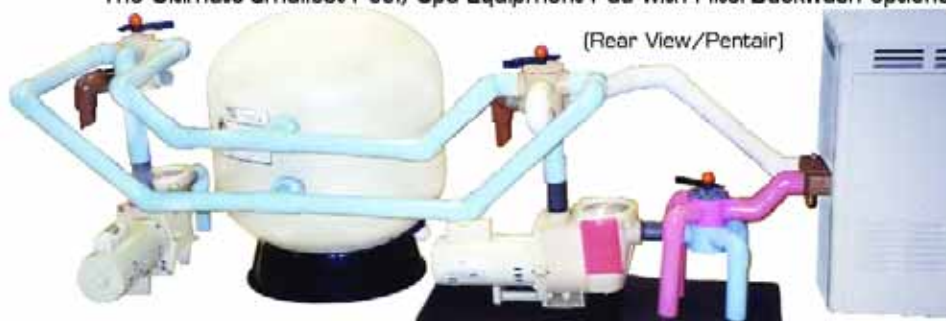
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Remote-Location
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Filter Pump riser
Discharge Pipe).
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to front of Pad.
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Warm Brown=====
Dirty Water
Pure White=====
Filtered Water

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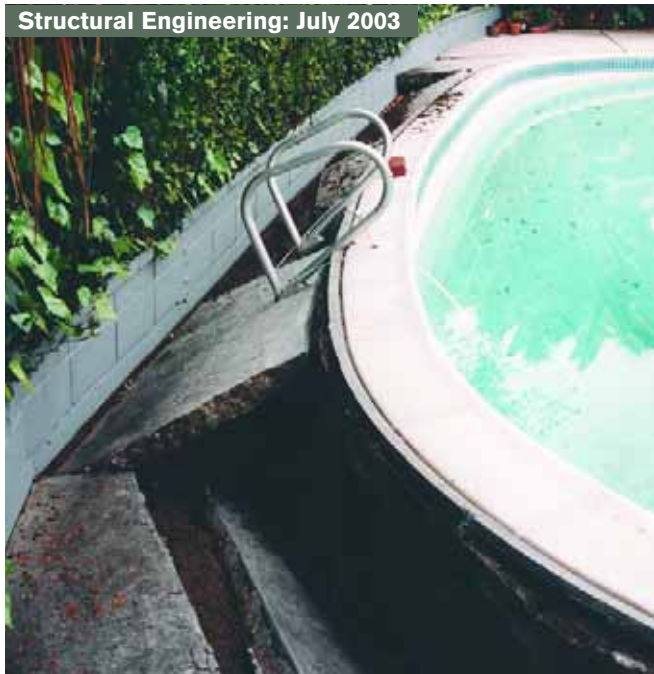
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Note: Manual Valves shown. Automatic Valves connect easily to existing Pool/Spa Controllers, i.e., Jandy, Compool, etc..

Structural Engineering: July 2003



Structural engineering,

for dry-deck fountains, Oct 03:38
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Water Quality: September 2002



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Apr 02:28; Jul/Aug 02:34

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Waterfalls: February 1999



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Oct 02:48
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Jul 03:42
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MISSING ANY?

☐ **February 1999** (Vol. 1, No. 1)
Tisherman on working in difficult soils; **White** on edge treatments; **Lacher** on expansive soils.
☒ **April 1999** (Vol. 1, No. 2)
Hopkins on designing with large rocks; **Hare** on basic hydraulics; **Straub** on shell curing.
☐ **June 1999** (Vol. 1, No. 3)
Phillips on water and decks; **Parmelee & Schick** on soils and geology; **Anderson** on water sounds.
☐ **August 1999** (Vol. 1, No. 4)
Anderson on stream design; **Adams** on community waterparks; **Gutai** on spa hydraulics.
☐ **October 1999** (Vol. 1, No. 5)
Holden on aquatic-design history; **Mitovich** on dry-deck fountains; **Tisherman** on site geometry.
☐ **December 1999** (Vol. 1, No. 6)
Finley on Japanese gardens; a roundtable on pools and landscape design; **West** on color rendering.
☒ **January 2000** (Vol. 2, No. 1)
Hart on designing for model homes; **Zaretsky** on retaining walls; **Chapman** on hydrid pool finishes.
☐ **February 2000** (Vol. 2, No. 2)
Hersman on lighting design; **Macaire** on faux-rock installations; **Andrews** on glass mosaics.
☐ **March 2000** (Vol. 2, No. 3)
L'Heureux on project management; **Long** on steel cages; **Forni** on installing and maintaining lakes.
☐ **April/May 2000** (Vol. 2, No. 4)
Schwartz on garden access; **Anderson** on streambeds; **Nantz** on watershapes and architecture.
☐ **June/July 2000** (Vol. 2, No. 5)
Holden on fountain-design history; **Bibbero** on large stones; **Anderson** on making streams work.
☒ **August 2000** (Vol. 2, No. 6)
Tisherman on shapes; **Lucas** on watershapes for wildlife; **Man & Medley** on the vertical axis.
☐ **September 2000** (Vol. 2, No. 7)
Davitt on designing for small spaces; **Altwater** on the importance of aeration; **Hetzner** on sheet falls.
☒ **October 2000** (Vol. 2, No. 8)
Lampl on natural design; **Anderson** on finishing streams; **Robenstein** on kinetic water sculpture.
☐ **Nov/December 2000** (Vol. 2, No. 9)
Arahuete on John Lautner; **L'Heureux** on stretching laminar flows; **Benedetti** on satellite surveying.

☐ **January/February 2001** (Vol. 3, No. 1)
Holden on a retro-look design (I); **Fleming** on upscale approaches; **Gutai** on pump technology.
☐ **March 2001** (Vol. 3, No. 2)
Moneta & Farley on site-specific design; **Benedetti** on fiberoptics; **Alperstein** on golf-course water.
☐ **April 2001** (Vol. 3, No. 3)
Jauregui on inspired clients; **Dirsmith** on frosty fountains; **Tisherman** on deluxe finishing.
☐ **May 2001** (Vol. 3, No. 4)
Reed on sculpture gardens; **L'Heureux** on sequenced water; **Brandes** on restoring riverfronts.
☐ **June 2001** (Vol. 3, No. 5)
Winget on fun-inspired waterforms; **Holden** on survey formats; **Schwartz** on classic stonework (I).
☐ **July/August 2001** (Vol. 3, No. 6)
Rugg on pond basics (I); **Ruthenberg** on perimeter overflow; **Schwartz** on classic stonework (II).
☐ **September 2001** (Vol. 3, No. 7)
Rugg on pond basics (II); **Urban** on energy savings; **Pasotti** on interactive waterplay.
☐ **October 2001** (Vol. 3, No. 8)
Tisherman on hilltop views; **Hagen** on natural stream work; **Schwartz** on classic stonework (III).
☐ **Nov/December 2001** (Vol. 3, No. 9)
Straub on Kansas City's fountains; **McCloskey** on the Getty Center; **Tisherman** on Fallingwater.
☐ **January 2002** (Vol. 4, No. 1)
Phillips on Hearst Castle's watershapes; **Bower** on the Raleigh Hotel pool; **Roth** on Katsura Rikyu.
☐ **February 2002** (Vol. 4, No. 2)
Marosz on project integration; **Moneta** on spa-edge details; **Affleck** on sculpture and water.
☒ **March 2002** (Vol. 4, No. 3)
Holden on a retro-look design (II); **Morris** on wild water; **L'Heureux** on fountain lighting (I).
☒ **April 2002** (Vol. 4, No. 4)
Oliver on multi-level flows and transitions; **Gutai** on pump basics; **Dews** on hiding headwaters.
☐ **May 2002** (Vol. 4, No. 5)
Anderson on pond essentials; **Pasotti** on interactive waterplay; **Gibbons** on 'stellar' fiberoptics.
☐ **June 2002** (Vol. 4, No. 6)
Altorio on civic fountains; **Gutai** on skimmers; **Beard** on working with landscape architects.

☒ **July/Aug. 2002** (Vol. 4, No. 7)
Holden on retro details; **Dunn** on quality, mid-range pools; **Varick** on grand-scale watershaping.
☐ **September 2002** (Vol. 4, No. 8)
Rosenberg & Herman on site-sensitive design; **Dirsmith** on long-term design; **Gutai** on filters.
☐ **October 2002** (Vol. 4, No. 9)
Copley & Wolff on modernizing fountains; **Bethune** on imitating nature; **Tisherman** on edgy colors.
☐ **Nov/December 2002** (Vol. 4, No. 10)
Holden on Villa d'Este; **Hobbs** on Maya Lin's watershapes; **Phillips** on water in transit.
☐ **January 2003** (Vol. 5, No. 1)
Fleming on high-end ambitions; **Harris** on decorative interior finishes; **Gutai** on surge tanks.
☐ **February 2003** (Vol. 5, No. 2)
The Beards on collaboration; **Yavis** on custom vinyl-liner pools; **Mitovich** on Microsoft's campus.
☐ **March 2003** (Vol. 5, No. 3)
Fowler on habitats for marine mammals; **Benedetti** on outdoor kitchens; **Dews** on planting pockets.
☐ **April 2003** (Vol. 5, No. 4)
Shoplick on watershapes as teaching tools; **Gutai** on water flow; **Schwartz** on Maya rockwork.
☐ **May 2003** (Vol. 5, No. 5)
Zaretsky on sensory gardens; **Freeman** on hydraulic retrofitting; **Hanson** on water/stone sculpture.
☐ **June 2003** (Vol. 5, No. 6)
Gunn on fountain whimsy; **Tisherman** on water-shaping for an art collector; **Holden** on tile.
☐ **July 2003** (Vol. 5, No. 7)
Fintel on attracting birds; **Lacher** on structural engineering; **Alperstein** on golf course design.
☐ **August 2003** (Vol. 5, No. 8)
Miller on site-specific fountains; **Gutai** on plumbing joints; **Holden** on period-sensitive restoration.
☐ **September 2003** (Vol. 5, No. 9)
Hebdon on borrowing naturalism; **Ruddy** on indoor designs; **So** on modernist sculpture.
☐ **October 2003** (Vol. 5, No. 10)
Mitovich on dry-deck fountains; **Roth** on liner issues; **Marckx & Fleming** on glass tile.
☐ **November 2003** (Vol. 5, No. 11)
Holden on carved stone; **Shaw** on roles of consultants; **Forni** on period-sensitive renovation.

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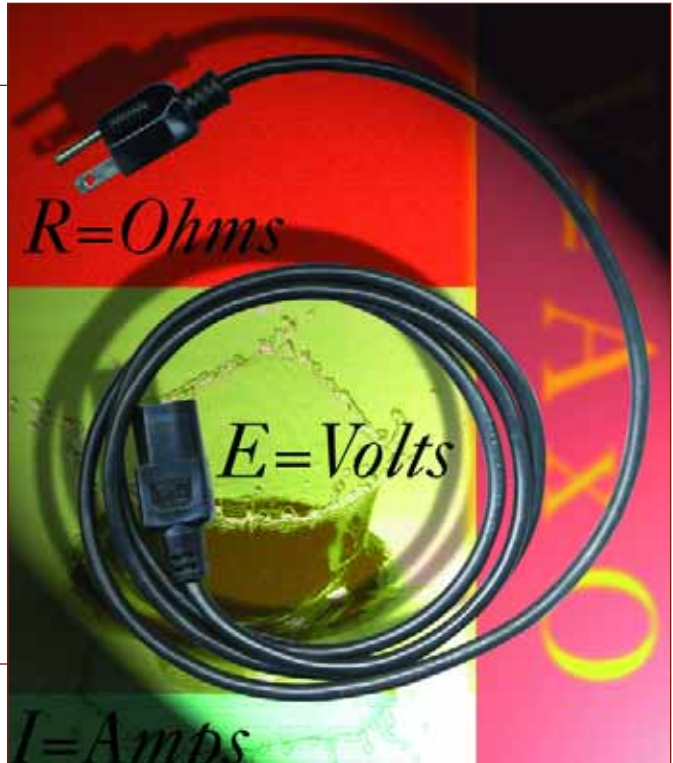
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The late Jim McNicol was a career engineer and pioneer of the spa industry in addition to being one of *WaterShapes*' original columnists. A tremendous resource for technical information and a brilliant teacher, his "Things Electric" columns offered a fresh, innovative approach to electricity and its relationship to water and always strove to put them in a greater scientific and technical context.

When he passed away in April 2001, his legacy was a generosity of spirit that cannot be replaced. His columns for the magazine represent only a tiny fraction of the information he wanted to share, but even in their short run they helped establish the magazine as a resource for reasoned, reliable and significant technical information.



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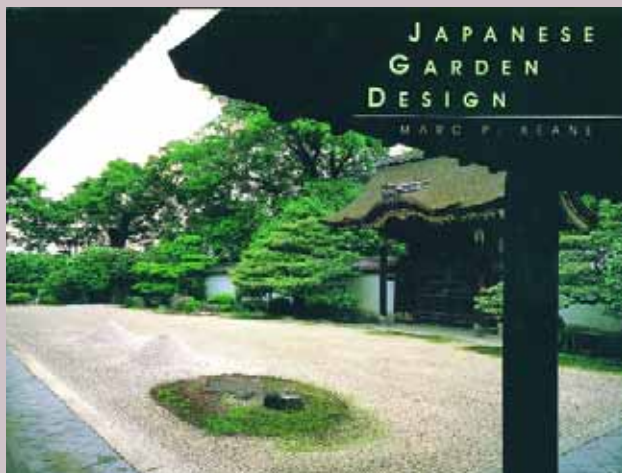
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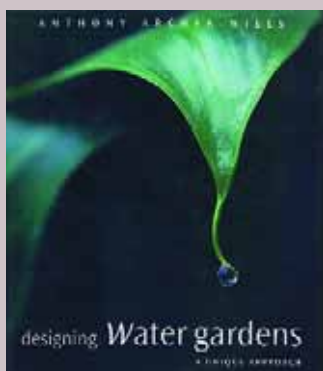
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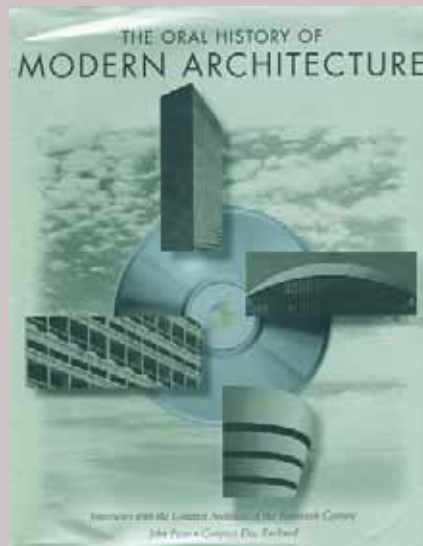
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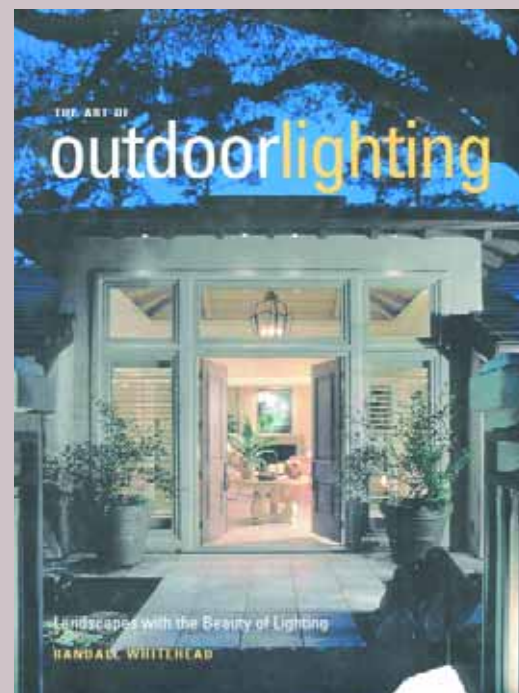
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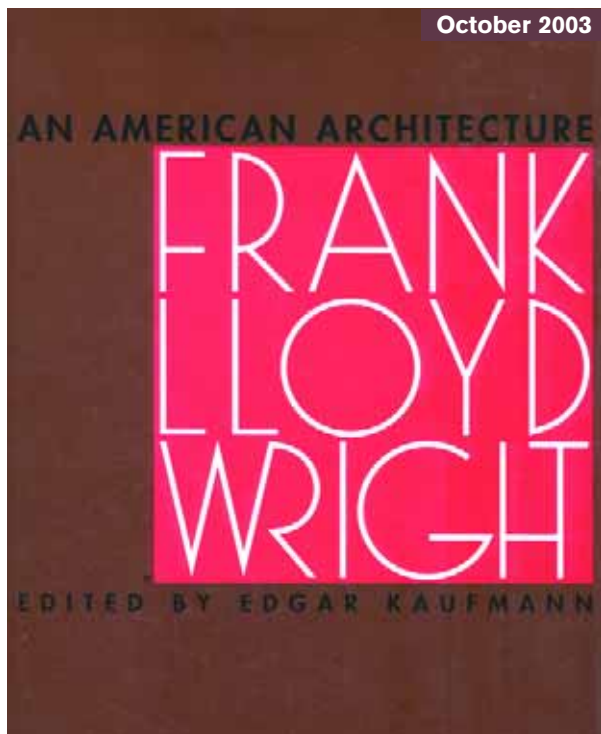
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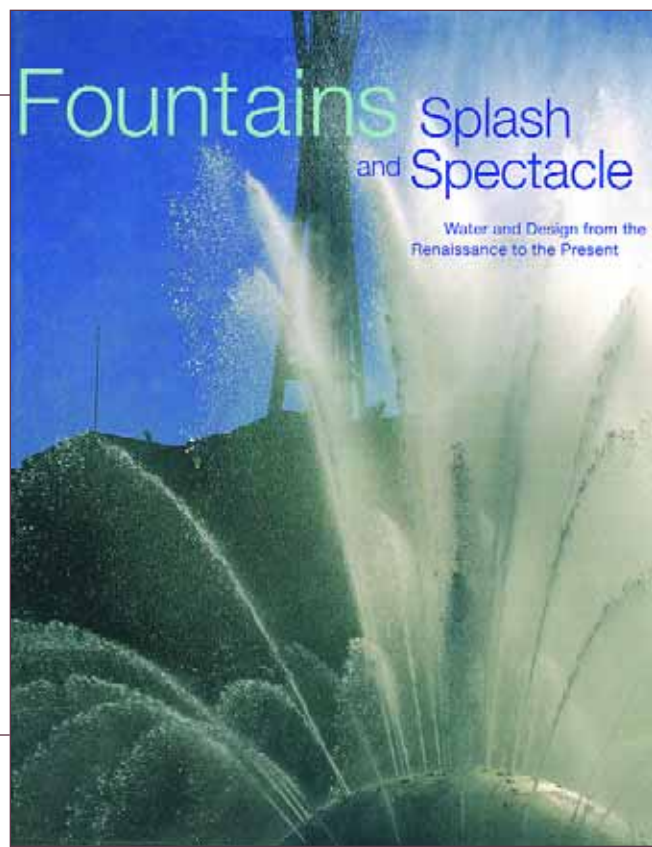
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A voracious reader in addition to being an accomplished landscape architect and watershape designer, he has not only described numerous volumes on these pages, but he has also gone to great and effective lengths to demonstrate how the information contained in the books and other resources he’s chosen to review can be applied to the task of designing, engineering and building quality watershapes.



Modern Masters

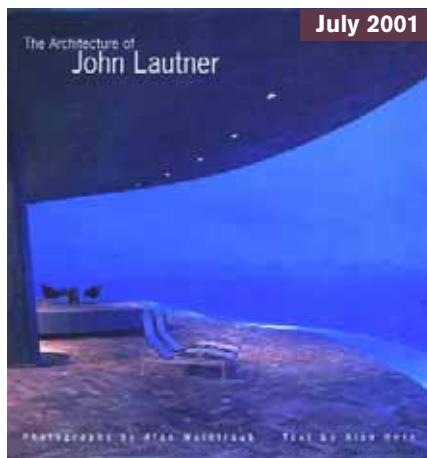
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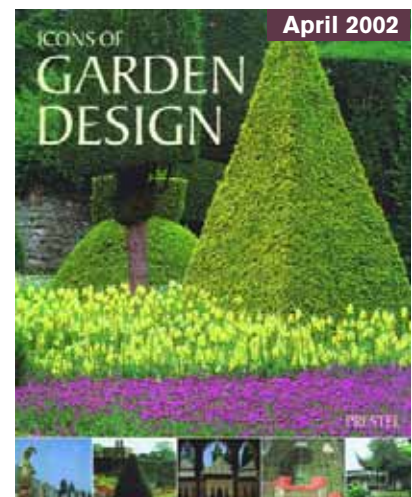
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