

New Jersey ASLA Today

Supporting landscape architects in their professional endeavors

Volume 7 • Issue 8 • October 2002

including creating a sense of place and protecting natural systems through innovative planning and design.

www.njasla.org

President

Nicholas Tufaro
ntufaro@earthlink.net

President Elect

Joseph D. Perello
jperello@schoordepalma.com

1st Vice President

Jay Petrongolo

2nd Vice President

vacant

Secretary

Jerry A. Lewis
jerryalewisassoc@aol.com

Treasurer

Jeffrey Tandul
olmstead3@aol.com

Past President

Carl E. Hintz
chintz@cchnj.com

Trustee

Jack Carman
jpcarman@waterw.com

Legal Counsel

Lawrence P. Powers
lpp@hillwallack.com

Management & Governmental Affairs

Joseph Simonetta
jsimonetta@hsbgnet.com

Acting Newsletter Editor

Nicholas Tufaro
ntufaro@earthlink.net

www.njasla.org

President's Message

**!!! CALLING ALL LANDSCAPE ARCHITECTS !!! CALLING ALL LANDSCAPE ARCHITECTS!!!
!!! CALLING ALL LANDSCAPE ARCHITECTS !!! CALLING ALL LANDSCAPE ARCHITECTS!!!
!!! CALLING ALL LANDSCAPE ARCHITECTS !!! CALLING ALL LANDSCAPE ARCHITECTS!!!**

We on the Executive Committee hope that each of you loves Landscape Architecture. Do you love it enough to express it not only in your works but also in your commitment to the efforts of the NJASLA? We strive to provide events and activities to enhance your professional growth and the growth of Landscape Architecture in New Jersey throughout the year, yet we only see you en masse at our Annual Meeting. Our Meeting is an extremely valuable program for you and we appreciate your participation each year, but sometimes, Mohammed must go to the mountain.

You will see an announcement of our November offering, a legislative breakfast at the Statehouse, in this issue of the newsletter. We are also exhibiting our 2002 Award winners that whole week in hallways that are frequented by government officials. This event is strategically planned for date, time and location to optimize our exposure to legislators. Actually across the hall from the doors of the State assembly rooms and on the only date that both houses are in session, we anticipate an excellent response from legislators, **IF WE CAN SHOW THEM A LARGE CONSTITUENCY (THIS MEANS YOU)!!!!!!**

Usually this type of event costs \$100 a head. We are offering you this opportunity to bring your clients and local officials to mingle with your District representatives at NO CHARGE. Can we count on you to support this event with your attendance? The event is planned for Monday morning, November 25. We need your RSVP by October 25 and at least 100 attendees or we will cancel the event.

Your participation will make or break this event. Please take advantage of this event. Use this opportunity to reconnect with NJASLA and participate in the advancement of Landscape Architecture in New Jersey.

2003 Election Results

The ballots for Executive Committee positions returned by September 13th have been tallied and, of the 68 votes received, the following people were elected by overwhelming margins:

David Roberts for President-Elect (3 year term)

Julie Blank for First Vice-President (2 year term)

Jeff Tandul for Treasurer (2 year term)

The NJASLA Executive Committee is pleased to welcome these members into service for the Chapter. Dave has served as a vice-president in the past and Julie chaired the Annual Meeting for both 2001 and 2002. Jeff Tandul is brave enough to accept a second term as Treasurer.

NJASLA encourages all members to consider serving the Chapter as future Board members and in various volunteer positions. We can always use your help and suggestions for improving our efforts to advance the positive impact of the profession in our Garden State.

NJASLA Calendar of Events

Thursday, October 10

12:00 4:30 PM NJASLA Fall Workshop "The Successful Use of Woody Plants in the Built Environment" sponsored by Bartlett Tree, Princeton University. Fee: \$45.00 Program can be found at www.njasla.org.

Thursday, October 10

7:00 PM, NJASLA Executive Committee Meeting in Blake Hall Jury Room, Cook Douglas Campus, Rutgers University, New Brunswick PIZZA PARTY at 6:00 PM !!!

Thursday, October 10

5:30 – 8:45 PM ANJEC: Using the Municipal Master Plan and State Planning Process to Protect Local Resources. Denville Town Hall, 1 St. Mary's Place, Denville \$15 for ANJEC members, \$30 for nonmembers email info@anjec.org

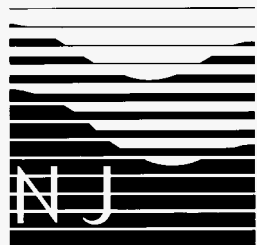
Friday, October 18

9:00 AM-5:00 PM Therapeutic Garden Forum "Making Outrageous Therapeutic Gardens" at the ASLA Annual Meeting San Jose, California Fee: \$40.00

Friday, October 18

8:00 - 10:00 PM RU Alumni Reception At the ASLA Annual Meeting - San Jose, California Parkside Hall (adjacent to Civic Center)

more "Events" next page



ASLA

Wanted: Movers & Shakers

NJASLA needs volunteers for the following leadership positions in 2003:

Chapter Initiative Grant and other Program Ideas

Do you have the answer to a pressing issue of land development, planning or design and implementation that should be championed by NJASLA? We might be able to assist and/or sponsor your efforts by fashioning a CIP grant for funding or establish a chapter program to address the issue. Put your thoughts together and present them at a future ExCom meeting.

Contributors and those wishing to assist in National Landscape Architecture Week or the Newsletter or just generally get involved are strongly encouraged to contact any ExCom member or NJASLA headquarters ASAP.

NJASLA Annual Golf Outing

by the Golf Outing Committee (Carl Hintz, Joe Perello & Jeff Tandul)

The NJASLA "Tournament of Professionals" Golf Outing was held on Thursday, September 19, 2002, at Heron Glen Golf Course in Ringoes, NJ (Hunterdon County). All those attending enjoyed the absolutely perfect weather, the scenic golf course with rolling topography and scenic hillside views, and the scrumptious lunch and dinner buffets. A total of 43 attendees participated in this NJASLA Golf Outing, and it was a quite a success! Some of the proceeds will be utilized towards NJASLA's donations to the Landscape Architecture Program at Cook College, Rutgers University. Thanks to all who attended, sponsored or assisted with the event! Door prizes were distributed to attendees, and awards were presented to the following individuals in the designated category:

1st Place Lowest Team Gross, with a score of 64 (8 under par)

Mark Anderson, William St. Pierre, Michael St. Pierre, Patrick St. Pierre

Longest Drive, Hole #2	Closest to the Pin, Hole #5	Closest to the Pin, Hole #12
Ray Liotta	Michael Anderson, 19'-4"	Adam Alexander, 9'-1"

NJASLA Would Like To Thank The Following Special Event Sponsors For Their Generosity In Supporting This Outing

Dinner Sponsor: Thomas J. Sharp & Associates, Inc / AES Insurance Agency
Tom Sharp / Debbie Pellet 908-707-0300

Prize Sponsor: Mid Atlantic Products
Joe Fasanella/ Chris Barulic 1-800-544-7529

NJASLA Would Like To Thank The Following Hole Sponsors For Supporting This Outing

Ben Shaffer Associates	Eileen Herberger	973-663-2021
James D. Boyce Associates	Tom Brennan / Brian Sherry	800-441-9400
Columbia Cascade / Timberform & Pipeline	Joe Fasanella/ Chris Barulic	800-544-7529
E.P. Henry	Michael Anderson	856-845-6200
Hill Wallack Attorneys at Law	Larry Powers	609-734-6369
Liberty Lighting Group	Dennis Clarke	973-701-0600
Mid Atlantic Products	Joe Fasanella	800-544-7529
Marturano Recreation / Gametime	Jim Marturano	732-458-1111
Maser Consulting	Jay Cosentino	732-583-5900
Musco Sports Lighting	Bob Valvano / Dan Shalloo	888-357-5503
National Seed Company	Ken Griepentrog	732-247-3100
Schoor DePalma	Joe Perello	732-577-9000
SESI Consulting Engineers	Mark Anderson	973-808-9050
Thomas J. Sharp & Associates, Inc /		
AES Insurance Agency	Tom Sharp / Debbie Pellet	908-707-0300
Urban Accessories / Super Secure Structures	Joe Fasanella	800-544-7529

More NJASLA Calendar of Events

Saturday, October 19

10:00-11:30 AM Therapeutic Gardens
Professional Interest Group
Networking Session at the ASLA
Annual Meeting

Saturday, October 19

2:00pm-4:00 PM Public Practice
Forum, Room B4, McEnery
Convention Center, at the ASLA
Annual Meeting San Jose, California,
Fee: \$10.00 <http://www.asla.org/meetings/am2002/updates/2002ASLA.pdf>

Monday, October 21

6:30 - 9:00 PM ANJEC: Open Space
Planning. Gloucester County
Planning & Public Works Bldg.,
Clayton. No charge, register by
October 14, email info@anjec.org

Friday, October 25

RSVP DEADLINE - NJASLA
Legislative Breakfast, Nov.24 Rm
101-103, Statehouse, West State
Street. See Program and Form in this
Newsletter. RSVP by Mail or Call
609-393-7500

Wednesday, November 13

5:30 - 8:45 PM ANJEC: Using the
Municipal Master Plan and State
Planning Process to Protect Local
Resources. Monmouth County
Library, Manalapan. \$15 for ANJEC,
\$30 for nonmembers. email
info@anjec.org

Tuesday, November 12

7:00 PM, NJASLA Executive
Committee Meeting in Blake Hall LA
Library, Room 113, Cook Douglas
Campus, Rutgers University, New
Brunswick

Monday, November 25

9:30 - 11:30 AM NJASLA
Legislative Breakfast, Rm 101-103,
Statehouse, West State Street. RSVP
by October 25 to 609-393-7500

Welcome New Executive Committee Member

Welcome New Executive Committee Member Joseph (Jay) Petrongolo has agreed to serve the remainder of the First Vice President term vacated by Elaine Walker in her relocation to California. Jay works at Remington Vernick, a multi-discipline firm in Southwest New Jersey. Join us in thanking Jay for this service for the NJASLA.

"Thanksgiving" Statehouse Breakfast

American Society of Landscape Architects - New Jersey Chapter announces a "Thanksgiving" Statehouse Breakfast. NJASLA 2002 Awards Exhibition on Monday, November 25, 2002, from 9:00 to 11:30 AM in Room 101 & 103, Statehouse Annex West State Street Trenton, NJ.

The "Thanksgiving" Statehouse Breakfast is an opportunity for our members and their guests to interact with state legislators in an informal atmosphere. We have scheduled the event for an in-session day and within the Statehouse Annex for maximum access to the legislators, who are all invited. With this event, we will present a Certificate of Appreciation to the Sponsors of the revision that elevated Landscape Architects to Closely Allied Professional status earlier this year. We will also announce the Landscape Architect Legislative Liaison program to assist in decisions on land planning and resource conservation. Short presentations will focus on working with legislators, pending legislation, and an update on the ASLA 50/2010 national license upgrade effort. The breakfast will also mark a three day exhibition of the 2002 NJASLA Design Award winners in the Goldfinch Area of the Statehouse Annex.

It is crucial that YOU participate and invite local officials and clients for this FREE EVENT. We need to show the legislators a large and vibrant constituency that supports Landscape Architecture in New Jersey. We need a confirmed number of participants exceeding 100 in order to express this concept. So, use this event to stand up and be counted !!

Contact your legislator in advance to inform them of your participation!

Landscape Architects have a long tradition of stewardship and concern for a healthy environment. We encourage our state representatives to ask a Landscape Architect for answers in natural resource issues and physical planning throughout the Garden State. For more information about the event, you may contact Patricia Brewer at the NJASLA office via telephone at 609-393-7500 or via email at pbrewer@hsbgnet.com.

Please RSVP Today !!

Please complete the bottom portion, and fax it back to the NJASLA office at 609-393-9891 or mail to NJASLA at 196 West State Street, Trenton, NJ, 08608.

Name _____

Company _____

Address _____

City/State/Zip _____

Phone Fax _____

Email _____

RSVP DEADLINE OCTOBER 25, 2002
Program Updates on our Website : njasla.org

Fellows Article Correction

In page 2 of our August/September Newsletter article "Steve Strom selected as 2002 ASLA Fellow", a listing of ASLA Fellows was inadvertently deficient. In addition to Henry Arnold, Roy H. DeBoer, Luciano Miceli, and Roger Wells; other contemporary Landscape Architects with this level of professional distinction include Harold Breen (deceased), Fred J. Correale, Richard Hawks, Robert Graham Heilig, Donald Richardson, and Robert L.Zion (deceased)

Fellows of the American Society of Landscape Architects are landscape architects of at least ten years standing as Full Members of ASLA, elected to Fellowship in honor of their outstanding contributions to the profession. Categories of election are: Works of Landscape Architecture, Administrative Work, Knowledge, and Service to the Profession. There have been a total of 779 Fellows elected since 1899.

Chapters and the Council of Fellows make nominations to this level of membership annually. NJASLA attempts to make regular nominations. You can suggest a colleague for this distinction by contacting NJASLA headquarters.

Hardscaping Forum®

by Brian Burton

Design Evolution of Retaining Walls

According to the experts we interviewed, there had been tremendous changes in the way we design and construct retaining walls over the past 50 years.

The first wet cast pre-fab concrete walls were introduced shortly after the end of WW II in 1947 and were the "walls of choice" for many years although timber walls did hold a share of the market.

Dry cast segmental concrete block walls were introduced in the 1980's. A few years later in 1992 the industry saw the introduction of various plastic components such as geogrids, geomembranes and geosynthetics, which improved performance and reliability when used in conjunction with retaining wall units.

Gravity-Segmental Retaining Walls

Conventional, or gravity-segmental retaining walls block the movement of the soil behind them entirely by the weight of their blocks. The maximum wall height of a single depth wall* is directly proportional to its weight, width, batter, soil condition, and site geometry.

(*By using multiple depths of units or by using tiered construction methods, the height can be increased. They are generally installed with a slight setback between units, creating a batter into the soil behind the wall that compensates for any minor lateral movement of the block face due to earth pressures.)

In general however these large concrete segmental retaining walls are very bulky, use a considerable amount of material to construct, and are extremely heavy, requiring extensive use of heavy mechanical equipment to move and place the units.

Soil-Reinforced SRW

Soil-reinforced retaining walls or mechanically stabilized earth walls. These systems are often referred to as MSEW systems. These versatile composite systems are viewed as an improvement in the technology. The precast concrete units are installed in combination with a mass of retained soil, integrated with the wall by horizontal layers of reinforcement, typically a geosynthetic material.

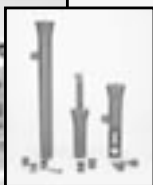
This reinforcement increases the effective width and weight of the gravity mass, thereby increasing the stability of the wall. These geosynthetic materials are usually high-tensile strength sheet material that comes in rolls that can be in the form of geogrids or geotextiles.

The geosynthetic material is placed between the units along a course and extended back into the retained soil to create a composite gravity mass structure. The weight of the block, various pins and indentations, or a combination of these features retains the geosynthetic

continued next page



**Creative
Design**



Institutional Spray with Built-In Pressure Regulator

- Saves up to 25 percent in water use
- Eliminates misting and fogging
- 5-year warranty

**Efficient
Water Use**

At Hunter Industries we feature a line of technically-advanced irrigation products to help you achieve a balance between dramatic design and the efficient use of water. Our new Institutional Spray, for example, offers durable construction for use in high traffic areas. And a built-in pressure regulator that allows more control on sites with wide pressure variations or significant elevation changes. Contact us for your free copy of the Hunter Water Management Kit with product news and water-saving ideas.

Authorized Hunter Distributor

Barton Supply

Cherry Hill, 1260 MarlKress Road
Tel: 856-429-6500

Hunter®
The Irrigation Innovators



ASLA

New Jersey
ASLA Today
 The Official Newsletter of
 NJ-ASLA

Acting Newsletter Editor
Nicholas Tufaro

Editorial Offices:
 196 West State Street
 Trenton, New Jersey 08608
 Phone: 609.393.7500
 Fax: 609.393.9891

**The opinions expressed in
 bylined articles are those of the
 authors and do not represent
 the opinions of NJ-ASLA. The
 authors are solely responsible
 for the information contained
 in those articles.**

**For advertising information,
 contact Kelly McAllister at
 609.393.7500**

**NJ-ASLA Today is published
 monthly by the NJ-ASLA. All
 correspondence, address
 changes, etc., should be sent
 directly to these offices.**

Hardscaping Forum®

(continued)

material to the wall structure. By integrating the soil with the weight of the blocks themselves, the tensions between wall and soil are used to the advantage of the builder, instead of the wall fighting against the pressure of the soil.

MSEW systems, comprised of the concrete units and a reinforced soil mass, offers the required resistance to external forces associated with taller walls and difficult soil conditions.

Retaining Wall Retrospective

The construction of various forms of retaining wall systems to effectively alter the landscape has been used since ancient times. Early efforts to improve agricultural production often involved the innovative use of readily available local materials to construct retaining walls that helped to transform the existing natural terrain.

Even by today's standards, the results were impressive feats of engineering, accomplished without the use of mechanical equipment. Remarkably, in many cases, some of these structures are still serving original function today.

The basic concept of using the force of gravity combined with friction resistance based on material shape to structure large retaining walls has been employed in many of the noteworthy civil engineering and construction projects down through history. The Egyptian pyramids, for example, were constructed from huge blocks ranging in size from 5 to 50 tons. Close examination of the construction has shown that the structures, (which were constructed entirely without mortar,) were actually built by constructing carefully shaped walls and then filling the spaces between the walls with stone rubble.

Another famous example, the Great Wall of China, in addition to providing a defensive barrier, also served as a raised roadway which stretched for 2000 Km across Asia. It was built by constructing two retaining walls several meters apart using large clay bricks. The space in between walls was later filled with soil and stone to create a raised roadway.

In a similar manner Hadrian's Wall, a 7 meters high 100 Km long stone barrier across northern Britain, was built by the Roman Empire in 122 A.D.

All of these structures have to the survived the present-day and demonstrate the practicality and durability of the retaining wall construction techniques.

Key Design Considerations

According to Brian Kotarba, a consultant with LOCK + LOAD Retaining Walls applications for the transportation sector and erosion control are the most demanding for retaining walls in general. "There are three key stability considerations for retaining walls from an engineering perspective; internal, external and overall stability," reports Kotarba.

Internal stability considers the mechanics within the structure that resist all forces that can or will be exerted on the wall.

External stability considers local modes of potential failure such as overturning, base sliding, and bearing capacity factors including the wall height, pressure and forces of the retaining soil, and the weight of the wall.

Overall stability considers the effects of the environment surrounding the wall, such as the slope stability, drainage factors and settlement.

About the Author; Brian Burton is a Member of the Standing Committee for Technical Evaluations for the Canadian Construction Materials Commission



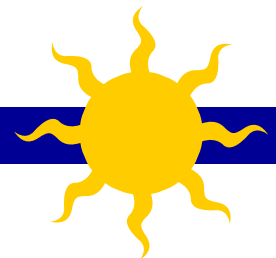
2002 ASLA Public Practice Forum

Plan to attend

2002 ASLA Public Practice Forum
McEnery Convention Center - Rm B4
San Jose, California
Saturday, October 19, 2002
2:00 p.m. to 4:00 p.m.

Attendance is free to all landscape architects
(non-members of ASLA are welcome to attend)

Landscape architects are adapting to new roles and innovative mechanisms for public land stewardship and action. Hear about emerging areas of practice at the federal, state, local and non-profit levels and plan to discuss ways to re-energize and stimulate your role as a public sector landscape architect. See how these new roles are revitalizing Olmsted's vision of the profession.



ASLA