

New Jersey ASLA Today

Supporting landscape architects in their professional endeavors

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

www.njasla.org

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Immediate Past President Nick Tufaro presents plaque to Senator John O. Bennet.



NJASLA Immediate Past President Nick Tufaro, Past President Carl Hintz, Legislative Committee Chair Mark Anderson, and President Joe Perello pose with Senator John O. Bennet during the plaque presentation.

President's Message

By Joe Perello, ASLA

The beginning of a new year is always a time of reflection and evaluation for many of us. Whether it is for personal or professional reasons, we often find ourselves reflecting back on the past year, and making subliminal notes as to how we would like to see the upcoming year(s) progress. Many of us make New Year's Resolutions that are often forgotten long before the thawing temperatures of Spring arrive, only to remember those same promises a year later come New Year's Eve the following year. Well don't feel bad, surveys have shown that this occurs to the majority of people!

I can tell you one thing though, members of the NJASLA Executive Committee and other Chapter Committees have been hard at work planning and organizing events and projects for 2003! These individuals are committed to working together to make things happen, and have established impressive goals for the coming year.

The chapter's largest educational and social event of the year, the 2003 Annual Meeting and Exhibition, is fast approaching on February 9-11th. If you have not received the registration form for the 2003 Annual Meeting by now, please feel free to download it off the home page of our website at www.njasla.org by picking on the scrolling header for the 2003 NJASLA Annual Meeting Program. Please take the time to review the program, and note the quality speakers and events that will be offered. Register before January 25th and take advantage of discount registration rates, and please consider becoming a Student Sponsor and a Student Mentor.

The continuing development of NJASLA Project Committees is progressing, and we've received responses from a good number of members stating their interest to get involved in Project Committees. We are still looking for input and participation by additional individuals, so please consider one of the many committees that spark your interest, and contact our NJASLA headquarters for additional information. The input and participation of our membership is what make our projects successful!

Hope to see you soon at the 2003 Annual Meeting, until then, don't forget those New Year's Resolutions!

Calendar of Events

January

Wednesday, January 8, 6:30 PM, - Professional Engineers Society of Mercer County -Bill Rawlyk of Delaware and Raritan Greenway, Inc. - Land Preservation, At Merlino's Waterfront, 1140 River Road, Trenton. \$25 dinner reservation (nonrefundable) Contact dhutchinson@arorapc.com

Tuesday, January 14, 7:00 PM, NJASLA Executive Committee Meeting At Hill Wallack, Princeton. Email jperello@schoordepalma.com

February

2003 NJASLA Annual Meeting New Jersey's Premier Landscape Architecture Regional Convention and Exhibition, February 9th - 11th at the Trump Taj Mahal Casino Resort, Atlantic City, NJ.

You'll Kick Yourself If You Miss This One!

2003 NJASLA Annual Meeting New Jersey's Premier Landscape Architecture Regional Convention and Exhibition, February 9th - 11th at the Trump Taj Mahal Casino Resort, Atlantic City, NJ.

- Are you interested in learning how to master free hand drawing – sign up for the Mike Lin Graphic Design workshop...
- Do you desire to improve your management capabilities – then attend the Thomas Dunbar/William T. Eubanks III - Leadership Development workshop...
- Would you like to develop a better understanding of construction detailing – do not miss Nicholas Dines keynote address...

...and so much more!

Programs and registration forms coming out shortly - look for them in your mailbox... or visit the web at www.njasla.org.

New Annual Meeting Event

The Annual Meeting Committee is interested in providing an expanded Conference Program Booklet this year, and advertisers will get lots of exposure. The meeting booklet is also used by attendees throughout the year as a reference source for product representatives and NJASLA contact information. There will be a new event at the awards dinner this year! The new "special event" at the Awards Dinner will be a "Roast" of one of our most highly respected members, Roy DeBoer, of the Rutgers University LA Department (More info below). As part of our special thanks to Roy, we are expanding our Annual Meeting Program Booklet to provide additional space for advertising, and we are inviting all members, sponsors and supporters to place an advertisement or a special note to Roy congratulating him on his accomplishments and thanking him for his contributions to the profession of landscape architecture. Prices for advertisements are as follows:

\$200 full page (5"x 8") , \$125 half page, Vertical or horizontal (5"x 3.8"), \$85 for 1/4 page (2.375" x 3.8"), and \$40 for 1/8 page (2.3" x 1.8")

- * Black and White advertising only. No bleeds. Only preferred positions guaranteed.
- * Camera-ready copy only. Original line art, camera-ready velox or photostat preferred.
- * Advertising rates are not commissionable or discounted.

Publication Deadlines

Insertion order, payment & camera-ready art due: January 17, 2003. For additional information or questions contact Patricia Brewer at NJASLA at 609-393-7500

Please direct all materials for production and inquiries to: NJ-ASLA, 196 West State Street, Trenton, NJ 08608, Attn: Kelly McAllister, Phone: 609-393-7500 Fax: 609-393-9891 email: kmcallister@hsbgnet.com

Friar's Roast of Roy DeBoer

Plans are being finalized for a traditional Friar's Roast of Roy DeBoer. Former and present Rutgers faculty, alumni and friends will entertain the awards banquet crowd with their personal stories of life with Roy over the past 50 years. Roy's contributions to landscape architecture have directly affected every landscape architect working in New Jersey.

In case you don't know Roy, he is the:

- Founder and original chairman of the Rutgers University landscape architecture department.
- Past-president and charter member of the New Jersey Chapter of the ASLA.
- Original board member of the State Board of Architects and Landscape Architects.
- The state's #1 landscape architect (NJ Certification #AS00001).

Come hear Roy be roasted, shaken and hopefully stirred at the 2003 NJASLA Annual Meeting and Exhibition.

If you would like to have one of your personal stories of life with Roy DeBoer included in the program, please contact Rich Bartolone at (732) 246-4236 or via email at zbartolone@aol.com.

Hotel Reservation Info For the 2003 Annual Meeting

Call the Trump Taj Mahal Casino Resort at 1-800-825-8888. Ask for the reservations department. Specify that you are with the NJASLA conference to get the reduced room rate of \$75/night. Make your reservation early to avoid closeouts. The cut off date for reservation is January 25, 2003. Hotel rooms may not be available after that date.

New Jersey Shade Tree Federation Holds 77th Annual Meeting At Cape May

(Part 2 of 2)

By Jeffrey A. Tandul, CLA, ASLA

The New Jersey Shade Tree Federation (NJSTF) held its Annual Meeting and Conference October 18, 19, & 20, 2002, in Cape May, New Jersey. The NJSTF membership includes Shade Tree Commissioners arborists and others interested in trees and their care. This is the second of two parts reporting on some of the presentations from the meeting. The text is taken directly from my notes at the meeting. The order of information has been altered slightly from the presentations for clarity.

"No Net Loss Legislation" (David Johnson, NJ State Forester)

The impetus for this legislation was partially due to a NJ State project at the former Garden State Art Center (currently the PNC Arts Center). A large number of mature trees were removed to expand this project. A public outcry resulted in part from the removal of the trees, but also from the lack of Public Notification prior to the commencement of the project.

This Legislation addresses tree removals and applies only to projects performed by New Jersey State Agencies, such as NJDOT, The Garden State Parkway Authority, The NJ Turnpike Authority, NJ DEP, etc. It does not apply to county or municipal projects. Originally developed in 1993, the legislation was amended in 2001. Enforcement actually began in January 2002.

All State entities whose projects are one-half (1/2) acre and larger must submit deforestation and reforestation plans to the NJDEP Division of Forestry.

The State has defined three (3) basic forest types as follows: 1. Seedling saplings, 2. Emergent forest, and 3. Established forest.

Replacement of trees should ideally occur on the project site. However, if inadequate area is available after the project, trees must be planted at other offsite locations within the municipality where trees have been removed. In the event that the State Entity does not have administrative personnel to oversee offsite plantings, they may put money into a fund to be administered by the NJ Forest Service. The NJ Forest Service will act as administrator of the funds and provide tree planting funds in the form of grants to the affected municipality.

Reforestation standards include a requirement that 95% of the trees re-planted be in

good health after two years. This applies to offsite tree replacement as well.

The State Entity will pay for enforcement, inspectors, etc. The State Entity is required to hold a public hearing six (6) months prior to the proposed deforestation. This legislation offers opportunities for professional consultants to design deforestation/reforestation plans, and for inspection and enforcement.

"Bacterial Leaf Scorch (BLS)" (Pam Tappen, NJ State Forester & Dr. Ann Brooks Gould Extension)

A new and insidious disease has been identified in New Jersey that primarily affects the health and causes mortality of Oaks (*Quercus*). The first sighting of the disease was in 1986 in the Southwestern portion of New Jersey along the Delaware River. The State of NJ conducted a statewide survey that searched for indications and infections of *Xylella fastidiosa* (or commonly known as Bacterial Leaf Scorch or BLS).

Recalling basic tree anatomy, the bacteria genus "*Xylella*" refers to the xylem in trees (conductive tissue). The species, "*fastidiosa*" refers to the fact that the bacterium needs very specific nutrient requirements. The bacterium clogs the xylem of the tree. Further, the tree attempts to compartmentalize the disease causing additional clogging of the vascular system. This eventually leads to mortality.

Xylella as a group of bacteria have caused many other economically devastating diseases including food crops such as grape vines and plums. It is also responsible for "Pierce's Disease" in grapes which can be devastating to vintners and food grape producers.. Many other food crops can be affected by other strains of *xylella* including coffee, almonds, grapes, citrus, Virginia creeper, and *vinca minor* (in the southeastern U.S.).

The disease is called "scorch" because water is lost faster from the leaves than the roots can supply it. Note that a typical scorch can be caused by biotic or abiotic (environmental) causes. This can make identification of the disease somewhat difficult, because to the untrained eye, the symptoms may appear as early fall leaf color or drought stress. It is recommended that a NJ Certified Tree Expert identify the disease in the field through observation and lab testing

Symptoms are only visible in late summer and early fall. The primary typical symptom is a marginal leaf necrosis (dead tissue). There is a sharp red/brown stain on yellow and appears between the green and scorched sectors. Premature leaf drop is also a common symptom. Generally, all of the leaves on an affected branch appear to have the same amount of symptoms. This varies from environmental causes (such as drought stress) which will exhibit similar symptoms to varying degrees on the leaves. This is a subtle, but important distinction in diagnosis.

Rutgers University Extension Service can determine conclusively if a tree has the disease. A test is performed by grinding the leaf petioles in a buffer solution. The lab technician observes for a change in color in the solution which provides a positive indication of the disease. Some labs are also equipped to perform genetic testing. To obtain a lab test, pencil width branches with leaves must be submitted in order for the lab to utilize an Elyser test kit.

The Statewide survey revealed that 39% of the sample had positive indications of the disease. Furthermore, many of these infected trees were large with a diameter at breast height of twenty (20) inches and greater. The most common hosts for the disease are Northern Red Oak (*Quercus rubra*- The NJ State Tree) and Pin Oak (*Q. palustris*). The disease can be more difficult to determine via observation in the field on *Q. palustris*.

The method of disease spread is unknown at the current time. It is believed, however, that the disease vector is from leaf hoppers (insects) that feed on alternate hosts in riparian vegetation. Currently there is not scientific evidence of spread from infected pruning equipment; however, sterilization of equipment is always a recommended precaution. Additional research is necessary to determine clearly that leaf hoppers are the primary vector of disease transport.

There does not seem to be a pattern to infection in groups of trees. One tree can be affected in a street tree planting, and then one next to it can be unaffected. The infection might re-appear several blocks or trees away in a group. This lends more credibility to the suggestion that leaf hoppers (insects) are the primary vector for spreading the disease.

continued next page

Treatment is limited at this time. Recommendations include judicious monitoring of the moisture regime, proper mulching, and pruning of affected limbs. (In other words, keep the patient comfortable). Some experimentation has been done with antibiotic treatments such as administration of oxy-tetracycline. This is usually administered via injection. However, it is stressful to the tree, expensive, not perfect in its control and must be administered annually.

After the completion of the survey, the State and Rutgers intends to continue research, monitoring and treatment. Treatment includes the administration of antibiotics, discussed above and various cultural practices. Unfortunately, money for research is lacking to continue research.

Southwestern New Jersey seems to be the most affected. However, there are clear indications that the disease is moving northward.

"Protecting Trees During Home Construction and Tree Selection" (Dr. T. Davis Sydnor, Professor of Urban Forestry, School of Natural Resources, the Ohio State University)

Many of the trees that we attempt to save during construction and plant after construction will not survive the man induced changes that are made to their habitat. Dr. Sydnor discussed selection of trees for urban areas and issues of tree protection during construction.

Tree Species Selection:

Easter Redbud (*Cercis canadensis*) is an under-story tree. Once the forest canopy is removed, or it is planted in the open, performance and sustainability will be poor. These conditions leave the plant particularly susceptible to sun scald.

Moisture regimes are often drastically altered by construction. For example, White Ash requires a mesic moisture regime (moderately moist, similar to a typical wooded area). Green Ash, alternatively, is most common in hydric moisture regimes and, therefore, more adaptable to sites that have become more urbanized. Green Ash can be susceptible to lilac/ash borer early on in their life, but once established they will be decent performers in a sustainable urban forest.

Serviceberry can be an excellent selection for small tree plantings. Amelancier *laevis* should be selected instead of *A. grandiflora*

(which is a cross between *A. laevis* and *A. canadensis*). *A. grandiflora* can exhibit the multi-stemmed features of *A. canadensis* and be particularly difficult to maintain as a single stem tree.

Two needle pines, such as *Pinus rigida* (Pitch Pine) and Austrian Pine are the most tolerant of the pines to construction disturbance.

For those who insist on planting white bark birches below their southern limits in New Jersey, Paperbark birch is the most resistant to borers of the "white-bark" birches.

Construction Issues:

Trenching should be avoided within the tree root system. It is preferred to tunnel under the root system. In the past, tunneling has been dismissed by contractors as "too costly". However, over the previous seven to eight (7-8) years the costs of trenching compared to tunneling has almost equalized. There is more specialized tunneling equipment available for purchase or rental to install various diameters of conduit. This is partially due to the boom in fiber optic and other telecommunications upgrades. It often is less costly and disruptive to tunnel under paved areas as well.

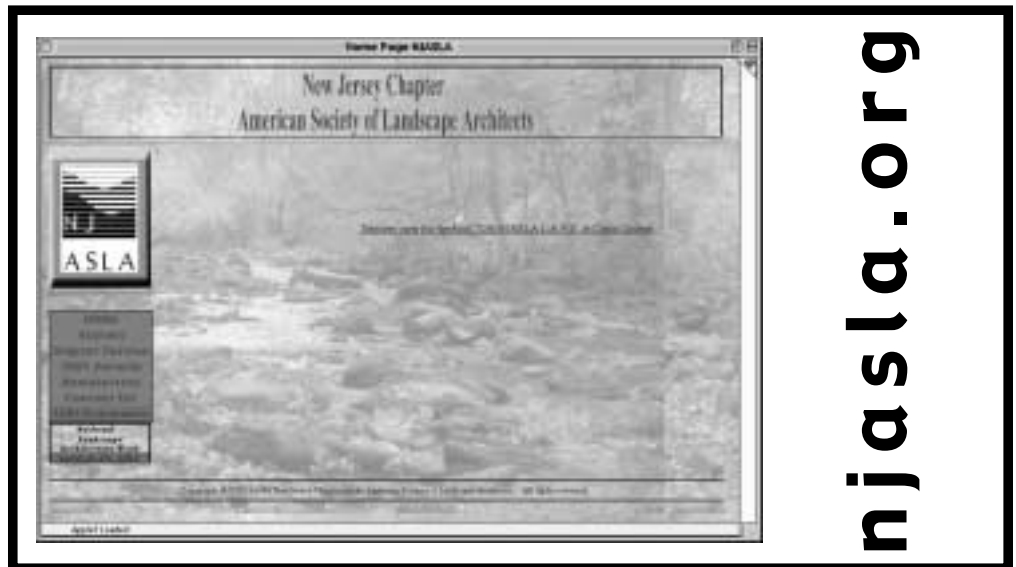
Foundations for retaining walls, fences, above grade walls and buildings can do severe damage to root systems. Foundations can be constructed to bridge the root systems utilizing smaller foot print footings at either end and creating a reinforced concrete beam to allow the foundations to bridge over root systems. In fact, entire buildings can be engineered in this way to minimize the impact of foundation excavation and placement on tree root systems.

This technique has been used extensively in Chicago, Illinois.

Live Crown Ratio:

The ratio of live crown to the size of tree is critical for long term survival of trees in construction areas. This should be carefully evaluated by a qualified arborist or NJ Certified Tree Expert (CTE) to determine if the tree will survive. We have all seen the so-called saved trees on developed sites that have a tuft of a few leaves at the top and no branching for the lower three-quarters (3/4) of the trunk. Most of these trees will not survive, and will become hazard trees within 2-5 years after the development and construction is completed. Saved trees must have sufficient foliage to feed all parts of the tree. Fertilization is NOT recommended. It will actually make the condition worse. When trees become stressed, they become more susceptible to insect, herbivore, and disease attack. Always remember, that the last thing plants allocate their resources to is defense. Therefore, if foliage and roots are removed excessively, the tree allocates resources to re-establishing its canopy of leaves and roots. With the defenses of the tree down, it is a short road to decline and eventual mortality.

The NJ Shade Tree Federation is a valuable resource to those interested in planting and care of our trees and urban forests. For additional information or to become a member, contact Bill Porter at the New Jersey Shade Tree Federation, Blake Hall, 93 Lipman Drive, New Brunswick, NJ 08901, (732)-246-3210). The presentations will be printed nearly verbatim in their monthly periodical, "The Shade Tree" over the next year.





ASLA

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For advertising information, contact Kelly McAllister at 609.393.7500

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New Public Relations Kit

The NJASLA Executive Committee is interested in developing a Media Kit as it relates to the profession." The kit would be used by Landscape Architects to take to school career days, to send to legislatures, bring to Municipal Meetings, etc. We would appreciate your thoughts on what to include in the packet of information. Suggestions have included:

- A one page description of the profession (available from National)
- A contact list of the Ex. Committee and our management consultant, HSBG, and the web page address.
- Pictures and descriptions of examples of works of Landscape Architecture within New Jersey
- A CD of the video "Putting A New Spin on the Earth"

Would you be interested in participating in the distribution of this information in your area? We hope to be able to put it all together the later part of 2003, if we are able to obtain the necessary funding. Please let us know what you think. Your thoughts and suggestions are greatly appreciated. Send your comments to Vicky Drew at NJASLA Headquarters by fax (609-393-9891) or email (vdrew@hsbgnet.com).

Employment Opportunities

Senior Landscape Architects & Project Managers –Manalapan, NJ Office

The candidates we seek must possess a degree in L.A. and have demonstrated experience in Design and Project Management including: conceptual and final design, construction document & specifications preparation, grading, planting design, lighting plan design, cost and design budget estimating, and project planning and coordination. Excellent communication skills, CAD experience and professional office experience is required. Experience with Parks & Recreation and Site Development projects preferred.

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Wanted: Movers And Shakers

NJASLA needs volunteers for the following Programs and Committees in 2003 programs:

- | | |
|--------------------------------|-----------------------------------|
| 1. Legislative Affairs | Website |
| 2. Annual Meeting | Coalition of Design Professionals |
| 3. Chapter Initiatives Program | Parks & Open Space Preservation |
| 4. Budget Planning | Social Events |
| 5. NLAW Events | Public Relations |
| 6. Golf Outing | Membership Recruitment |
| 7. Election Nominations | Calendar and Art Book Project |

VOLUNTEER TODAY!!!!

Each Committee can only survive if members participate and determine to make a difference and help shape the character of the Chapter. As the year unfolds, we shall highlight the activities of these committees.

Contributors and those wishing to assist in NJASLA Committees and Programs or just generally get involved are strongly encouraged to contact any ExCom member or NJASLA headquarters ASAP. VOLUNTEER TODAY!!!