



## Annual Conference Registration Materials Mailed

By now, all NTA members and supporters should have received their **Registrant Registration and Program Packet** and suppliers should have received an **Exhibitor Invitation** and Registration Packet for the 46th Northwest Turfgrass Conference in Sunriver, Oregon, September 21-24, 1992. The first mailing of registration materials went out late June and the second mailing, to those not already registered, went out the last week of July. If for any reason you haven't received registration information and you desire some, call the NTA office.

Enclosed in this issue of the newsletter is a copy of the schedule of events and the educational program for the conference. This year's conference is felt to be one of the best ever. Great, informative educational sessions; an outstanding exhibition; golf; tours-both educational and entertaining; scrumptious food; fun entertainment and a resort setting. What more can you ask for. We look forward to seeing you there.

## Kick-off Reception and Table-top Display

For the last two years, one of the highlights of the conference has been the combined conference Kick-off Reception and supplier Table-top Display the first evening of the conference. The event goes on all evening the first day of the conference and always draws (and holds) a full house. Suppliers, and other corporate sponsors-members and nonmembers alike-donate a variety of offerings for door prize drawings held throughout the evening; supplier display tables dot the reception hall; golf tournament winners are announced and trophies awarded; a grand selection of heavy hors d'oeuvres; and, the opportunity to rekindle old acquaintances and make new ones, all contribute to an evening of fun and enjoyment.

## Conference Exhibitor Invitation

Turf grounds maintenance and irrigation suppliers are cordially invited to participate in the **1992 Northwest Turfgrass Conference Exhibition** sponsored by the Northwest Turfgrass Association being held Monday, September 21, 1992 at the Sunriver Lodge and Resort in Sunriver, Oregon. We are anticipating a turnout of 300-400 professionals interested in the latest research technology, equipment and products for the maintenance

of golf courses, parks, grounds and lawns. We have reserved the 5,000 square foot Sunriver Pavilion for the exhibition.

The format of this year's exhibition will be the same as that of the last two years. Exhibitors will not have the traditional curtained booths but instead will have eight foot draped tables and exhibits will be limited to specific table-top specifications. **Exhibitor Invitation and Registration Packets** have been mailed to suppliers.

Potential exhibitors who haven't received a packet should contact the NTA staff at the NTA office (206) 754-0825.

## 1992/93 Board Director Elections

The NTA Nominations Committee, chaired by Immediate Past President William (Bill) Griffith, will present a slate of board director nominees for the memberships' consideration during the annual business meeting scheduled for September 22, 1992 in Sunriver, Oregon. Additional nominations may be made anytime, up to the closing of nominations during the annual business meeting, by written nomination (or petition) signed by not less than fifteen active members of the association. Members present at the business meeting will vote on the election of the new board directors who are elected for three year terms.

## Sponsor A Hole for Research

This year the conference golf tournament, the R. L. Goss Golf Tournament for Research, will be held on the North Course at Sunriver Lodge and Resort. The North Course, a Robert Trent Jones II design, ranks within the top 15 of the famed golf architect's worldwide plans.

The purpose of the tournament is to raise funds for the NTA Research and Scholarship Fund and have some fun. The entry fee is intended to cover tournament expenses and raise funds for research. Sunriver has waived the green fees, which is a major contribution on their part toward the accomplishment of our goal.

One suggestion, made by industry suppliers, for raising more funds for research during this tournament is to offer suppliers and other industry supporters the opportunity to "sponsor a hole for research." In exchange for a sponsorship fee of \$100 per hole the sponsor would get the following:

(continued on page 2)



## President's Message

As you know, the Northwest Turfgrass Association (NTA) represents a diverse membership from a very large geographical area. As for the membership, it is made up of a variety of public and private grounds maintenance professionals (golf course superintendents, landscape and lawn care personnel, parks facilities personnel, etc.); sod growers; ground maintenance and irrigation products and services suppliers; extension and research personnel; and others. The geographical area represented by the membership encompasses the entire Northwestern portion of the United States and Western Canada. I point these facts out so you will have an accurate perspective with which to consider the following questions the NTA board will be seeking input and direction on from the members during the up-coming annual business meeting scheduled during the NTA conference in Sunriver.

Should our association become politically active? Should we employ or contribute to the employment of a lobbyist? Should we be at the forefront on issues pertaining to our industry? Since we cover such a vast geographical area, how do we treat all interests within our boundaries equally? Do we support our local, state or other regional organization efforts and, if so, do we only lend our name or do we provide financial or other support, as well? Do we provide testimony on local, state and/or federal issues in the name of the association?

These questions can go on and on. The point is that the NTA needs to determine its political role, if it is to have one. Issues will arise from time to time that will have a direct effect on how our industry conducts business. The sad fact is that, many times, discussions are going on and decisions being made affecting our industry without the benefit of the experience and knowledge we have to offer. The issue in the forefront now is water, an issue which affects all of us in one way or another. If you are in an area that is experiencing water restrictions, you will find that sales at nurseries are way down, hydro mulchers are doing little business and parks and golf courses have very little grass to maintain. Most of us are finding the water restrictions have a serious environmental and economic impact. Some of the water purveyors believe that there is little need for turf. The landscape should be of native drought tolerant plants, bark, gravel and asphalt. I am convinced that such beliefs are developed, in part, due to a lack of knowledge about the benefits turf provides.

Our current circumstances and situation remind me of the story about the individual who saw no need to get involved when others (minorities, other nationalities, women, etc.) were being persecuted. Much later, after all the others had been persecuted, he found the persecution being directed at him but by that time he found that there wasn't anyone left to listen to his objections to the persecution. I only hope our industry doesn't find itself in the future in the same position as this individual.

In closing this president's final remarks as president, I must say that I believe we are members of the NTA to help each other and in turn the turf industry progresses forward in a steady manner. As with any office there are the good and not so good parts. A year goes by much too quickly to accomplish what you had set out to do and maintain employment at the same time. In the same breath, I encourage you all to pursue service on the NTA board.

Tom Wolff, President

## Sponsor A Hole *(continued from page 1)*

1. the satisfaction of making a donation for research,
2. a company sign placed on the tee of the sponsored hole,
3. recognition during the conference kick-off reception and exhibition for the sponsorship, and
4. following the conference, recognition in the NTA newsletter of the sponsorship.

If your company would like to sponsor a hole for research, complete enclosed form and return it with the \$100 (US dollars), for the number of holes you wish to sponsor, to the address provided on the form.

## Farwell Resigns from NTA Board of Directors

Larry L. Farwell, CGCS, Superintendent of the Wenatchee Golf & Country Club, has announced his intent to resign from the NTA Board of Directors after completing two years of a three year term. Larry indicated illness in his family is requiring him to curtail as many of his extracurricular activities as possible, at this time. In his letter of resignation, Larry indicated he "wholeheartedly support the NTA and the direction that the Board of Directors is taking" but he must use his extra time and direct his full attention in another direction for now.

During his tenure on the board, Larry's participation and contribution has been very, very valuable. He has provided a thoughtful and steady influence on board actions and he will be missed. We look forward to working with Larry again in the future.

## Board Approves 92/93 Annual Budget

The NTA Board of Directors has approved a \$118,000 dollar budget for the fiscal year July 1, 1992 to June 30, 1993. This budget includes an appropriate of \$35,000 for research and a more than doubling of scholarship funding from \$2,000 to \$5,000. The association ended the 91/92 fiscal year with a net worth of just over \$100,000.

## Annual Conference Scheduling Changed for the Future

Following the direction provided by the members through the membership survey conducted this past year, the NTA board has decided to change the annual conference scheduling from the third week in September to the second week in October annually. The first conference to be held under the new schedule will be the 1993 conference scheduled for October 10-14, 1993 in Yakima, Washington. Survey results indicated that a majority of members responding to the survey wanted the conference dates moved to later in the Fall.

## NTA Awards \$35,000 in Research Grant Funds

At the May meeting of the Board of Directors of the Northwest Turfgrass Association, research grants totaling \$35,000 were approved for projects at Oregon State University (Corvallis), Washington State University Research and Extension Center (Puyallup) and Washington State University (Pullman).

Grant funding requests this year totaled over \$54,000. NTA Research and Scholarship Fund limitations precluded the board from granting any more than the \$35,000. Below is a summary of the funding requested and approved for 1992 (the 92-93 academic year):

Institution or Company	Proposal Title	Proposals Researchers	Funding Requested	Funding Approved
Cascade International Seed Company	Development of a Lolium perenne Cultivar	Witten, S. J.	\$2070	-0-
Oregon State University	Inexpensive Remote Monitoring Programs for Turfgrass	Righetti, T. L. Cook, T.	\$5000	\$5000
Washington State University	Improving Turfgrass Establishment and Quality Utilizing Solid Matrix Seed Priming	Johnston, W. J. Burrows, C. Maguire, J. D. Stahnke, G. K.	\$12,399	\$6,500
Washington State University	Current Ongoing Research Projects Continuing Support	Johnston, W. J. Golob, C.	\$11,245	\$6,000
Washington State University	Turfgrass Water Use/Deficit Irrigation and Wear Tolerant Turf Management	Brauen, S. E. Stahnke, G. K. Chastagner, G. A.	\$12,842	\$9,000
Washington State University (R&E Ctr)	Quantification of Fate of Nitrogen from Amended and Trafficked Sand Putting Green/Tee Profiles	Stahnke, G. K. Brauen, S. E. Johnston, W. J.	\$8,878	\$7,500
Washington State University (R&E Ctr)	Management of Necrotic Ring Spot	Chastagner, G. A. Brauen, S.E. Johnston, W. J. Evans, D. Stahnke, G. K.	\$2,000	\$1,000

The board noted that all the research grants deal with issues relevant to today's problems and environmental concerns and have the potential of being beneficial to today's grounds manager.

Financially assisting grounds maintenance and turfgrass research is a major purpose of the NTA. The funds for research grants are obtained by the NTA through a direct voluntary solicitation campaign for funds for the NTA Research and Scholarship Fund and through various other events and activities sponsored by the association e.g. R. L. Goss Golf Tournament for Research, et al.

## Annual Directory Goes to Press Soon

Preliminary work on the 1992-93 Annual Directory of the Members has begun with printing and distribution planned for October or November following the annual conference. Now is the final opportunity to be included in the directory for the upcoming issue so, if you haven't gotten those dues in yet or you have a change of address or phone that you haven't notified the NTA office about as yet, now is the time to do it.

## **NOW!** Scott has the answer to minor element deficiencies in turf

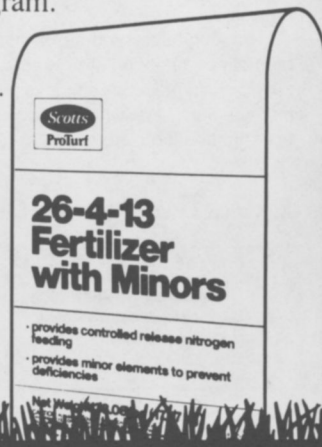
To provide your turf with all the major nutrients along with selected micronutrients—magnesium, sulfur, copper, iron, manganese, molybdenum and zinc—and to prevent deficiencies from occurring, incorporate ProTurf 26-4-13 Fertilizer with Minors in your fertilizing program.

Ask your ProTurf Tech Rep for details.

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(503) 549-3933

**Mark Jones**  
(509) 255-6033

**Rick Styer**  
(206) 859-6610





## NTA Board Proposes Bylaws Amendments

If proposed amendment to the bylaws of the Northwest Turfgrass Association (NTA) is approved at the 1992 annual business meeting in Sunriver, Oregon, the composition of the board of directors may take on a new look in the future. The proposed amendment to the NTA Bylaws, Article VI, Section 2 (relating to board of directors composition) reads as follows:

**The elective directors shall be as proportionally representative of the current regional distribution of the association's membership.**

The bylaws prescribe that to amend the NTA Bylaws, a copy of any proposed amendment must be mailed to the members at least thirty days prior to the annual meeting and two-thirds of the members voting at the annual meeting must vote to accept the proposed amendment before it can become effective.

## Grounds Managers Salary Survey for 1992

The results of the Professional Grounds Management Society (PGMS) 1992 survey of grounds managers salaries (as of June, 1992) in their far west region (Alaska, Hawaii, Washington, Oregon, Idaho, Montana, California, Nevada, Utah, Arizona, Colorado and Western Canada) the high salary was \$69,700, the low was \$23,000 and the average was \$37,455. Twenty-one replies were received from the far west region.

## 1992/93 Research and Scholarship Fund Raising Campaign

Jon Hooper, chairperson of the **NTA Research and Scholarship Fund** committee, recently announced the kick-off of the 1992/93 R&S fund raising campaign.

Intimately involved with turfgrass management, we realize more than most, that today's turfgrass quality is the result of knowledge and technological gains resulting from research and education accompanied by hard work and effort. We owe our thanks to those who gave their time and money to make the research and education possible, for without them we would have to rely on our own slow trial and error methods.

Few of us are independently capable of, nor prepared to conduct the research or development necessary to keep the industry on the leading edge. Recognizing this, the Northwest Turfgrass Association created a research and scholarship fund to help make it possible for each of us to financially contribute to industry research and education advancements.

Donation forms have been mailed to members and industry supporters. A form is also enclosed in this newsletter. Contributions are tax deductible and those contributing to the research and scholarship fund are recognized in the NTA Directory of the Northwest Turfgrass Association.

Buy a share today in better turfgrass for tomorrow.

## Hunter® GOLF

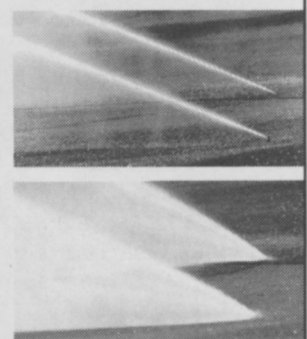
### INNOVATION IN IRRIGATION CONTROL

The most advanced electronic irrigation controller available today is sophisticated, versatile and yet easy to use. The Hunter ETC calculates precise water needs for each of up to 24 stations, based on local evapotranspiration (or ET) rates, and automatically schedules and controls the application of that water.

By turning and pressing a single knob, you can direct the ETC to schedule watering day after day, season to season, throughout the year.

Working as a stand-alone unit, or as a member of a network, the Hunter ETC provides simple, cost-effective water management. Just what you'd expect from the Irrigation Innovators.

ETC



Uninterrupted stream (top photo) can reach out to a 70' radius; diffused stream is used for close-in coverage.



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## 1992/93 Turfgrass Topics Advertising Space Available

Invitations to advertise in the 1992/93 quarterly issues of the **Northwest Turfgrass Topics** have been mailed to potential advertisers.

Advertisers have made it possible for NTA to produce the quality, informative quarterly publication we have been receiving these past few years. We thank those who have advertised in the past and hope they will continue to advertise in the future.

## Why Belong to An Association?

Why belong to an association? How many times have you been asked to join an association – or asked why do you belong to an association – or, what can an association do for me?

Theodore Roosevelt put it very aptly when he said, "Every man owes a part of his time and money to the business or industry in which he is engaged. No man has a moral right to withhold his support from an organization that is striving to improve conditions within his sphere."

Since it costs money to belong to an association, it is logical to ask, "What can an association do for me?" A probably answer could be, "Nothing." An association can do things with you (with your support, expertise, cooperation, etc.) but not for you per se. Apply the same principles to your business...it can't do anything for you unless you do something for it...

It would appear also that the businessman who rebels against paying association dues is always the first to criticize and to say that an association does him no good. (But,) these benefits don't just happen. They are the result of a lot of hard work and effort by the great number of individuals who devote time and energy to get tasks done...

Associations, after all, are a lot like insurance. When one has no problems, he has no need for insurance. When he does have a problem, if he doesn't have insurance, it's too late for it to help. Our industry has many potential problems. The professional who comes face-to-face with one of those problems before he joins an association will be just like the man with no fire insurance watching his house burn down...

*Source: Many Contributors*

## Summer Transplanting

*by Dr. Raymond R. Maleike*

Landscape plants are usually transplanted in the spring or fall when temperatures are mild, but occasionally it is necessary to transplant in the heat of summer. The key to success at this time of year is minimizing water stress.

During a normal summer day, a plant experiences increasing water stress in the late morning and afternoon as temperatures rise and humidity drops. The stress diminishes at night, allowing the plant to regain a favorable water balance. Therefore, the period of minimal water stress for actively growing plants is early morning. Digging plants before 9:00 a.m. will significantly increase their survival rate.

In a study done at Auburn University in Alabama, it was found that photinia shrubs dug early in the morning had an 80% survival rate, while only 30% of the afternoon-dug plants survived. Morning-dug plants that had been irrigated the day before digging had a 100% survival.

It should be noted that daytime temperatures during this experiment were generally over 90° F.

After digging, it is imperative that the plants be hardened off for a week or two. This means putting them in a shaded area and occasionally syringing with water during the daytime.

In summary, to increase summer transplanting success:

1. Water plants thoroughly one day before digging.
2. Dig early in the morning.
3. Place newly dug plants in the shade and syringe with water until wilting stops (about one week).
4. Keep plants adequately watered after planting.

*Source: The Gardener, Summer 1990.*

## Pesticide Applicators Licensing Requirements for Landscape Professionals

As many of you know, the Washington State Department of Agriculture (WSDA) regulates pesticide use in this state. Included in this responsibility is the licensing of individuals involved in the commercial application of pesticides.

In the landscape profession, there continues to be confusion over who is affected by WSDA's licensing requirements. This confusion is partially a result of a change in the pesticide law during the 1989 legislative session. Prior to this law change, many landscape gardeners were exempt from licensing as commercial applicators. As of January 1, 1990, individuals who apply pesticides to another person's land as part of a landscape maintenance operation are required to meet WSDA's licensing requirements.

In order to legally operate in Washington, any company which commercially applies pesticides to the land of another is required to be licensed as a commercial applicator. In order for the company to become licensed, a designated individual must complete a commercial applicator application, pay the required license fee, pass the appropriate examinations and provide proof of financial coverage.

In order to complete examination requirements, the designated commercial applicator must pass written tests in all categories in which the business will be working. In addition, he/she would be required to pass a "Laws & Safety" exam. Employees of the commercial applicator who apply pesticides must be licensed as commercial operators unless they are directly supervised by another employee who is appropriately licensed. Commercial operators must be licensed in all categories that they work. Study materials for the exams are available from the Washington State University Extension Service. Exams are administered in WSDA's offices in Olympia and Yakima on a regular basis.

*(continued on page 6)*

## Applicator Licenses *(continued from page 5)*

Before being issued a commercial applicator license, the individual/business would be required to submit a Financial Responsibility Insurance Certificate (FRIC) completed by the applicable insurance firm. Financial responsibility must be in the form of a surety bond or liability insurance policy. Regardless of the chosen method, the coverage must include a minimum of \$50,000 property damage and \$50,000 public liability with no greater than a \$5,000 deductible.

The commercial applicator license fee is \$130.00. This includes the licensing of one piece of application equipment. Each additional piece of equipment carries a \$15.00 fee. The commercial operator license fee is \$35.00. Both licenses require annual renewal.

It is a violation of pesticide law to operate without the appropriate license. Violations of pesticide law can result in civil penalties of up to \$7,500 per incident. For further information, contact WSDA at (206) 753-5064.

Note: Pesticide use in plant nurseries requires a (prime applicator) license only when restricted use pesticides are being applied.

Editor's Note: Once licensed, the licenses are placed in a recertification program by the WSDA. Credit accumulation or retesting is required every five years. Private applicators need to earn 20 recertification credits over the five years, and everyone else needs to earn 40 credits over the same time span. The NTA conference is an excellent way to earn those credits and are one of the benefits of membership.

*Source: WSNLA Bulls & Burlaps  
Vol. 44, No. 6*

## Why Exhibit in Trade Shows?

Exhibiting at a trade show can be an efficient way to expose your name and product to a large number of people in a small amount of time, generating leads, sales, and ultimately profits.

Trade shows are important places for "testing the waters". They allow your product to be demonstrated, touched, and tasted in an environment controlled by you, person-to-person, with a large number of qualified buyers.

Trade shows can also be very cost-effective. Research indicates that the cost to close a show lead is about 25% of a standard industrial sale where a salesperson visits the prospective buyer.

## Washington Posting Law Effective July 1

Washington has a new posting law that requires certified landscape applicators to post properties which have been treated with pesticides.

Posting is a controversial issue nationwide with increasingly more states requiring that properties treated with pesticides be posted so the public is aware of what has been applied.

Washington has rightfully taken the lead in the West in establishing what appears to be a posting law that is workable for the industry and at the same time mindful of the public's right to be informed.

Certified applicators in Washington played a key role in drafting the legislation that eventually became law. A series of workshops are now being held throughout the state to bring landscape professionals up to speed on the new law. The Northwest Turfgrass Association urges everyone to quickly become familiar with the new law so that compliance can be smooth.

Here are some of the highlights of the new law which goes into effect July 1:

-Placards of at least 4x5 inches must be placed at the usual points of entry to residential properties stating that the property has been treated with a pesticide and the sign must remain up for at least one day after treatment.

-The sign must contain the name and telephone number of the certified applicator who is required to supply the names of pesticides applied, a fact sheet on each pesticide and a MSD sheet for each product.

-For golf courses, this placard can be placed on the first and 10th tees or in a conspicuous location such as a central message board

-For college campuses and other schools, these signs must be at each primary point of entry.

Powered spray equipment also must be posted with information about who owns the equipment.

Also as part of the new law, a list of pesticide-sensitive people will be compiled by the Washington Department of Agriculture and distributed to certified applicators who will be responsible for notifying those people prior to an application near their residences.

This posting process will obviously require more effort on our part and will be cumbersome in some respects, but I see this as something that is a big step for those of us in the landscape industry in taking responsibility for what we do.

This is a good law because major input in drafting the legislation came from our peers rather than someone else who does not have a clue what the green industry is all about.

The public has a right to know what we do and how we go about doing it. This posting law will let the public know we are responsible professionals when it comes to applying pesticides.



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NORTHWEST TURFGRASS ASSOCIATION  
**46TH Northwest Turfgrass Conference and Exhibition**

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**SCHEDULE OF EVENTS**

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**SUNDAY, September 20**

- 3:00 pm - 6:00 pm.....Lodge/Vandever Room  
Conference Registration Office Open
- 4:00 pm - 5:00 pm.....Great Hall/Fireplace Room  
Board of Directors Meeting
- 6:00 pm - 7:00 pm.....Great Hall/Fairway I  
President's Reception for the  
Board of Directors
- 7:00 pm - 9:00 pm.....Great Hall/Fairway I  
Board of Directors Dinner

**MONDAY, September 21**

- 8:00 am - 3:00 pm.....Lodge/Vandever Room  
Conference Registration Office Open
- 8:00 am - 4:00 pm.....Pavilion  
Exhibit Move-in and Set-up
- 8:30 am - 6:00 pm.....North Course  
R.L. Goss Golf Tournament  
for Research
- 12:00 noon - 5:00 pm.....Lodge/Parking Lot  
Turfgrass Facilities Tour
- 5:30 pm - 6:45 pm.....Great Hall/N & S Sisters  
President's Reception for  
Presenters, Exhibitors and  
Past Presidents
- 7:00 pm - 11:00 pm.....Pavilion  
Kick-off Reception and EXHIBITION

**TUESDAY, September 22**

- 7:00 am - 2:00 pm.....Lodge/Vandever Room  
Conference Registration Office Open
- 7:00 am - 8:00 am.....Great Hall  
Wake-up Coffee Service
- 8:00 am - 9:55 am.....Pavilion  
General Session I
- 8:30 am - 4:00 pm.....Lodge/Parking Lot  
Spouse/Guest Shopping Tour
- 9:55 am - 10:20 am.....Great Hall  
Break & Coffee Service
- 10:20 am - 11:15 am.....Pavilion  
General Session II

**TUESDAY, September 22 (continued)**

- 11:15 am - 12:00 noon.....Pavilion  
Annual Business Meeting
- 12:00 noon - 1:30 pm  
Lunch-On Your Own
- 1:30 pm - 3:30 pm.....Pavilion  
General Session III

**WEDNESDAY, September 23**

- 7:00 am - 8:00 am.....Great Hall/Sisters Foyer  
Wake-up Coffee Service
- 7:00 am - 8:00 am.....Great Hall/Fireplace Room  
Women in Turf Continental  
Breakfast
- 8:00 am - 9:35 am.....Pavilion  
General Session IV
- 9:35 am - 10:00 am.....Great Hall/Sisters Foyer  
Break & Coffee Service
- 10:00 am - 12:00 noon  
Split Session A.....Great Hall/N & S Sisters  
Split Session B.....Great Hall/Fairway I & II
- 12:00 noon - 1:30 pm  
Lunch-On Your Own
- 12:00 noon - 1:30 pm.....Great Hall/Fireplace Room  
92-93 Board of Directors Luncheon
- 1:00 pm - 3:00 pm.....Great Hall/N Sisters  
Spouse/Guest "Dream  
Interpretation" Program
- 1:30 pm - 3:30 pm.....Pavilion  
General Session V
- 6:00 pm - 7:00 pm.....Great Hall/Fairway I & II  
High Country Evening  
Reception
- 7:00 pm - 11:00 pm.....Pavilion  
High Country Evening  
Barbecue and Entertainment

**THURSDAY, September 24**

- 7:00 am - 8:00 am.....Great Hall  
Wake-up Coffee Service
- 8:00 am - 10:45 am.....Pavilion  
General Session VI

EDUCATION

TUESDAY, September 22

**GENERAL SESSION I**

Pavilion

Donald Clemans, Moderator  
NTA Board Director

8:00 am - 8:15 am

**Welcome and Opening Remarks**

Tom Wolff, President  
Northwest Turfgrass Association  
Don Clemans, Conference Committee Chairman  
Northwest Turfgrass Association

8:15 am - 9:05 pm

**Agronomics of Sand Construction and  
Topdressing**

Mr. James M. Latham, Jr., Director  
US Golf Association/Great Lakes Region

9:05 am - 9:55 am

**Turf Management on Modified Rootzones**

Mr. Steve Cockerham, Manager  
University of California, Ag Operations

**GENERAL SESSION II**

Pavilion

Rebecca R. Michels, Moderator  
NTA Vice President/President-elect

10:20 am - 11:15 am

**Fertilizers and Pesticides in Water  
Environmental Fate**

Dr. Thomas L. Watschke, Professor/Turfgrass  
Pennsylvania State University

**ANNUAL BUSINESS MEETING**

Pavilion

Tom Wolff, Moderator  
NTA President

11:15 am - 12:00 noon

**Annual Business Meeting of the  
Members and Director Elections**

Mr. Tom Wolff, President  
Northwest Turfgrass Association

**GENERAL SESSION III**

Pavilion

Tim Werner, Moderator  
NTA Board Director

1:30 pm - 3:30 pm

**Environmental Responsibility-  
Yours, Mine and Ours**

Dr. Jon Arvik, Manager  
Monsanto Company, Environmental Affairs

WEDNESDAY, September 23

**GENERAL SESSION IV**

Pavilion

Larry Farwell, Moderator  
NTA Board Director

8:00 am - 9:35 am

**Dealing with Difficult People or  
How Not to Sprain Your Brain**

Dr. Lawrence C. Helms, Owner  
Dr. Lawrence Sherlock-Helms Presents

Note: Wake-up coffee service will be available 7:00 a.m. - 8:00 a.m. Tuesday - Thursday in the Great Hall or Sisters Foyer.



## NORTHWEST TURFGRASS ASSOCIATION

### SPONSOR A HOLE FOR RESEARCH

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1. the satisfaction of making a donation for research,
2. a company sign placed on the tee of the sponsored hole,
3. recognition during the conference kick-off reception and exhibition for the sponsorship, and
4. following the conference, recognition in the NTA newsletter of the sponsorship.

If your company would like to sponsor a hole for research, complete the information below and return the form with the \$100 (US dollars), for the number of holes you wish to sponsor, to the address below.

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## NORTHWEST TURFGRASS ASSOCIATION RESEARCH AND SCHOLARSHIP FUND

TO: NTA RESEARCH AND SCHOLARSHIP FUND SUPPORTERS  
FROM: NTA Research and Scholarship Fund Trustees

Intimately involved with turfgrass management, we realize more than most, that today's turfgrass quality is the result of knowledge and technological gains resulting from research and education accompanied by hard work and effort. We owe our thanks to those who gave their time and money to make the research and education possible, for without them we would have to rely on our own slow trial and error methods.

Few of us are independently capable of nor prepared to conduct the research or develop the education programs necessary to keep the industry on the leading edge. Recognizing this, the Northwest Turfgrass Association created a research and scholarship fund to help make it possible for each of us to participate significantly in the advancement of present and future knowledge. Through this fund, each of us can financially contribute to industry research and education advancements.

On the reverse side you will find a contribution form to assist you and your employer in responding as quickly as possible. Please make checks payable to "**NTA Research and Scholarship Fund**" and mail it with a copy of the contribution form to:

NTA • P.O. Box 1367 • Olympia, WA 98507

Your contribution is tax deductible and the fund is administered in accordance with the Charitable Trust Act of the State of Washington.

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# ANNOUNCEMENT AND INVITATION



FOR THE  
SEPTEMBER 21 - 24, 1992

## 46th NORTHWEST TURFGRASS CONFERENCE & EXHIBITION

SUNRIVER LODGE AND RESORT  
Sunriver, Oregon

The Board of Directors of the Northwest Turfgrass Association extend a cordial invitation to the members of the association, along with their colleagues, employees, spouses, friends and others interested in the turfgrass industry in the Pacific Northwest to attend and participate in the 1992 **46th NORTHWEST TURFGRASS CONFERENCE AND EXHIBITION** scheduled for September 21-24, 1992 in Sunriver, Oregon at the Sunriver Lodge and Resort.

Research information, education, table-top exhibition, the annual turfgrass golf tournament and a turfgrass facilities tour will highlight the conference and exhibition. Also on the schedule of events are the annual business meeting of the NTA members; an excellent program for spouses and friends; and a number of social activities designed for everyone.

Sunriver will host the hundreds of golf course superintendents; parks, cemetery, school and other grounds maintenance personnel; professional consultants; landscape and lawn care personnel; equipment and product suppliers; research and extension staff; and others involved in the turfgrass industry from throughout the Pacific Northwest who will assemble for the outstanding professional development conference.

46TH  
NORTHWEST TURFGRASS CONFERENCE AND EXHIBITION

*Sponsored by*  
**Northwest Turfgrass Association**  
P.O. Box 7367  
Olympia, Washington 98507  
(206) 754-0825



**PROGRAM**

**WEDNESDAY, September 23 (continued)**

<b>SPLIT SESSION A (Golf Courses)</b> Great Hall/N & S Sisters		Alan Nielsen, Moderator NTA Board Director	<b>SPLIT SESSION B (Athletic Fields, Grounds &amp; Parks)</b> Great Hall/Fairway I & II		Jon Hooper, Moderator NTA Board Director
10:00 am - 10:20 am	<b>Constructing the USGA Lysimeter</b> Dr. Stanton E. Brauen, Coordinator Washington State University/R&E Center		10:00 am - 10:30 am	<b>Light Intensity/Traffic Relationship</b> Mr. Steve Cockerham, Manager University of California, Ag Operations	
10:20 am - 11:00 am	<b>Measuring Nitrate Movement in Sand and Modified Rootzones</b> Mr. Eric Chapman, Graduate Student Washington State University		10:30 am - 11:00 am	<b>Where We Have Been, Where We Are Now and Where We Are Going</b> Dr. Roy L. Goss, Principal Prescription Turf Services, Inc	
11:00 am - 11:30 am	<b>PGRs on the Golf Course</b> Dr. Thomas L. Watschke, Professor/Turfgrass Pennsylvania State University		11:00 am - 11:30 am	<b>Alternatives to Landfill Disposal of Vegetative Material</b> Dr. Mike Kelly, Vice President OM Scott & Sons, Research	
11:30 am - 12:00 noon	<b>It's Time We Cleaned Up Our Act or 10 Environmental Concerns on Golf Courses</b> Mr. Larry W. Gilhuly, Western Region Director US Golf Association, Green Section		11:30 am - 12:00 noon	<b>The Importance of Hazard Tree Survey</b> Mr. William L. Owen, Owner William L. Owen & Associates	

**GENERAL SESSION V**  
Pavilion

David P. Jacobsen, Moderator  
NTA Board Director

1:30 pm - 2:30 pm

**Identification of Grasses**

Mr. Thomas W. Cook, Associate Professor  
Oregon State University

2:30 pm - 3:30 pm

**How Professionals Can Test for Nitrate and Rootzone Leachate**

Dr. Stanton E. Brauen, Coordinator  
Washington State University/R&E Center

**THURSDAY, September 24**

**GENERAL SESSION VI**  
Pavilion

William Griffith, Moderator  
NTA Immediate Past President

8:00 am - 8:35 am

**Turfgrass Research Overview**

Dr. Gwen K. Stahnke, Turfgrass Specialist  
Washington State University/R&E Center

8:35 am - 9:00 am

**Zeolite as a Cation Exchange Modifier in Sand Rootzones**

Dr. Stanton E. Brauen, Coordinator  
Washington State University/R&E Center

9:00 am - 9:35 am

**Reducing Pesticide Usage through Cultivar Selection**

Dr. Gary A. Chastagner, Ornamental Plant Pathologist  
Washington State University/R&E Center

9:35 am - 10:10 am

**Isolated Dry Spot-Causes and Solutions**

Mr. Thomas W. Cook, Associate Professor  
Oregon State University

10:10 am - 10:40 am

**Combining the Use of Turf Covers and Plant Growth Regulators**

Dr. William J. Johnston, Agronomist/Turfgrass Science  
Washington State University

10:40 am - 10:45 am

**Conference Wrap-up**

Mr. Tom Wolff, President  
Northwest Turfgrass Association

# Program Overview

## Sunday, September 20

4:00 p.m.-5:00 p.m.	Board of Directors Meeting	Great Hall/Fireplace Room
6:00 p.m.-7:00 p.m.	President's Reception for the Board of Directors	Great Hall/Fairway 1
7:00 p.m.-9:00 p.m.	Board of Directors Dinner	Great Hall/Fairway 1

## Monday, September 21

8:30 a.m.-6:00 p.m.	Golf Tournament (Men & Women) Tee Times 9:00 a.m. - 1:00 p.m.	North Course
12:00 noon-5:00 p.m.	Turfgrass Facilities Tour	Various Sites
5:30 p.m.-6:45 p.m.	President's Reception for the Presentors and Suppliers and Past Presidents	Great Hall North and South Sisters
7:00 p.m.-11:00 p.m.	Kick-off Reception and EXHIBITION	Pavilion

## Tuesday, September 22

8:00 a.m.-10:00 a.m.	General Session I	Pavilion
8:30 a.m.-4:00 p.m.	Spouse/Guest Tour	Various Sites
10:20 a.m.-11:15 a.m.	General Session II	Pavilion
11:15 a.m.-12:00 noon	Annual Membership Meeting and Director Elections	Pavilion
12:00 noon-1:30 p.m.	Lunch Break	
1:30 p.m.-3:30 p.m.	General Session III	Pavilion

## Wednesday, September 23

7:00 a.m.-8:00 a.m.	Professional Women in Turf Continental Breakfast	Great Hall
8:00 a.m.-9:30 a.m.	General Session IV	Pavilion
10:00 a.m.-12:00 noon	Split Session (Golf Course)	Great Hall/North & South Sisters
10:00 a.m.-12:00 noon	Split Session (Parks & Grounds)	Great Hall/Fairway 1 & 2
12:00 noon-1:30 p.m.	Lunch Break	
12:00 noon-1:30 p.m.	Board of Directors Orientation Luncheon	Great Hall Fireplace Room
1:00 p.m.-3:30 p.m.	Spouse/Guest "Dream Interpretation" Program	Great Hall North Sister
1:30 p.m.-3:30 p.m.	General Session V	Pavilion
6:00 p.m.-7:00 p.m.	High Country Evening Reception	Great Hall/Fairway 1 & 2
7:00 p.m.-11:00 p.m.	High Country Evening Barbecue and Entertainment	Pavilion

## Thursday, September 24

8:00 a.m.-10:45 a.m.	General Session VI	Pavilion
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Note: Wake-up coffee service will be available 7:00 a.m. - 8:00 a.m. Tuesday - Thursday in the Great Hall or Sisters Foyer.



## Meeting Demand is Golf's Problem for 1992 and Beyond

By Robert Trent Jones, Jr.

Throughout 1991, economic forecasters gave ominous weather reports, and, to be sure, we have seen financing dry up in once fertile areas. Any number of golf projects have been set on the shelf, and dismal financial storm clouds are predicted well into 1992.

but, as Robert Trent Jones II, we were fortunate enough to open eleven golf courses this past year; eight right here at home, one in Europe, and two more in Asia. so, we were not much affected by the downturn economy. But, we do see a much more menacing threat to golf out there. It is pervasive, and it is building with each passing day in this country and to a slightly lesser extent around the world. What we are talking about here makes new golf courses nearly impossible to construct in some areas of the United States and drives up planning and development costs to the sky in others. The major concern to our industry is the so-called "Environmental Movement," which has targeted golf courses for capital punishment.

These folks, a few of them well intentioned, but most only hiding under the "environmental cloak," have become a part of the golf course permit approval process at every level of government, from the local Planning Commission to the supreme Court.

Every developer knows about these people, and the golf course architect can almost call them by name in some parts of the country. Their familiar refrain is that the golf course is a "good idea...it is just in the wrong place."

The fact is they don't like golf courses anywhere. It's obviously a political feeling, but they just don't like the game. They see it as an elitist pastime. It occupies too much space. It takes too long to play. It is not the people's game.

Most of these people are not too crazy about the concept of private property either, and they detest the idea of a private golf club. But, they play no favorites. They oppose public golf course proposals with the same zeal and frenzy ignited by a scheme for a members only club.

Their strategy is to defeat the golf course at the earliest stage of the approval process. Do not allow any zoning changes. Raise environmental issues. Bring as much lobbying pressure on the planning commissioner or council person as possible. Be loud and vocal at every meeting and planning session. Push hard for immediate denial.

Failing that, the strategy then shifts to elongating the process, both in terms of time and money. You see, it is almost like the old cry of "Man and barricades" in the French Revolution. That little piece of history was accomplished with volunteers, and so it is with this political approval process.

The obstructionist ploy is to use volunteers at every level. Some people just like a good fight, even an unfair one. They are always available to speak, to hoot, to applaud...even to carry placards and demonstrate in front of the County Courthouse.

(continued on page 8)

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## Meeting Demand *(continued from page 7)*

In the meantime, the developer is taking a risk. Perhaps he has option payments on the land. He has fees to pay to lawyers, engineers, various consultants and golf course architects, too. So, if an early denial of the golf course idea is not achieved, the watchword is to stretch the process out as far as possible. Make the costs so burdensome that the developer will fold up his camp and head elsewhere. Just as soon as he reaches "elsewhere" he will find the very same crowd (or one that looks just like it) waiting to greet him.

Most of the uproar created by these hostile political ruffians revolves around environmental issues. They can make the golf course sound like a toxic waste dump. In spite of the fact that the golf course only accommodates some thirty people an hour, they can make the area around the course look like gridlock in Manhattan for all the traffic it will cause. Legitimate facts and integrity pretty much go out the window when the opposition heats up, as the litany is always the same. The golf course drives the animals away. The birds disappear. The soil will be choked with chemicals and on and on. Even though 10% of our population plays golf, some 30 million of us out there, the city or county officials involved often don't, and they are easily persuaded by these silly and baseless arguments.

As you read this, does it ring a bell? How many golf course projects have you heard of or read about that have been challenged in this manner? Defeated? How many do you suppose were never even presented because those with the idea, those willing to take a risk, knew they would not be playing on a level field.

As we embark on the voyage of 1992, the threat to golf is only related to economics in the sense that the permit process is very expensive and getting more so. It is this political right of passage that is the really serious problem. If those of us in the industry are not able to provide the playing facilities for those who currently play golf or would very much like to, our protagonist will, indeed, be correct. It will once again become an elitist game and beyond the financial reach of the average person.

The answer is obviously to form our own band of volunteers. Those who love the game need to step forward and shout loudly that golf is the absolute preservation of open space. The golf course is an animal habitat, a bird sanctuary and a permanent green belt area. It provides wetlands that were never there previously, and preserves those that had been there before. When disasters strike in places like Pebble Beach and the San Francisco East Bay hills, it provides a firebreak. The golf course is part of the reoxygenation process. The greenery it provides actually produces clean fresh air to breathe. Each golf course provides hundreds of thousands of recreational hours each year for senior citizens, youngsters and just ordinary folks. Golf courses are for all to enjoy, those who play, as well as those who just appreciate the pastoral ambiance it provides.

We all agree that growth is a problem in various parts of the country. Where we are located in California, it is a particular problem in places like the San Fernando Valley, San Jose, Sacramento and San Diego. Some view the golf course as a portent of development to follow. But, the golf course is part of the solution, not part of the problem.

We desperately need more golf courses, especially good public courses. Instead of denying permits, every City Council and Board of Supervisors in the country ought to be seeking ways to provide more golf. Sanitary landfills and the areas in the vicinity of airports come immediately to mind. Our golf associations around the country should have regular support groups for new golf course ideas and proposals. On the Monterey Peninsula, we designed and built Poppy Hills for the more than 140,000 members of the Northern California Golf Association. It now does more than 60,000 rounds a year, played mostly by those dues paying members who own it and their guests. What an outstanding model for other broadly based golf organizations to follow.

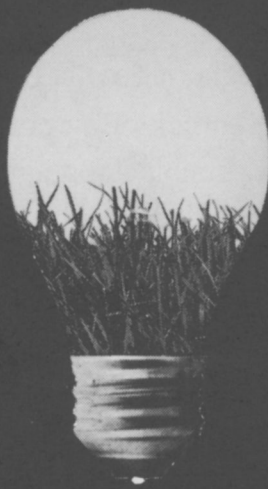
As often as possible, our people attend seminars and business conferences relating to the golf industry. We also appear at countless Planning Commission, City Council and Board of Supervisors meetings. In many cases we feel like the goalie in an ice hockey game, warding off one slap shot after another about the game of golf.

If there is a single message in all this, it is to live the game, as well as to play it. In other words, step forward and be a spokesperson for golf whenever a challenge is issued. Support good sound ideas in your community which will provide new courses and the opportunities for others to play and enjoy the game.

If you are reading this, you are one of those close to 30 million in the United States who play the game for the fun and friendships it provides. Let's not let it return to the elitist game it was before folks like like and Arnie convinced us that golf was a game for everyone. Instead, let's join together and actually sell the game to those who make land use decisions. Lous and clear, let's let them know

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that our vote is for open space, greenbelts, wetlands, animals and wholesome fun and exercise. Oh, don't forget the birds, either...or should I say birdies?

Source: *Reading the Green*  
Vol. 2, No. 2

## Booth tips Exhibitors Can Use

If you're at a trade show or are in charge of a booth anywhere, you might want to remember these tips for dealing with people who stop to see you:

- Stand with your hands at your side or clasped behind your back. Never cross your arms or put your hands in your pockets.

- while engaging a prospect, use open-palm gestures with your elbows away from the body. This denotes a warm, welcoming posture.

- When listening, keep your hands unclenched and visible. This communicates "I trust you and you can trust me."

## Hunter Expands Dataline for answers to Irrigation Design Questions

Hunter Industries has expanded the services of its popular toll-free DATAline and will now provide technical information and answers to any questions relating to irrigation system design and equipment.

The DATAline is headed by Hunter technical information manager Jay Inglis, and is open Monday to Friday from 8 a.m. to 6 p.m. eastern time (5 a.m. to 3 p.m. on the West Coast). The number is 800-733-2823.

Inglis is based at Hunter's new East Coast manufacturing facility in Cary, North Carolina.

"Because of the need for up-to-date technical information in efficient irrigation design, Hunter has expanded Design and Technical Assistance (DATAline) services," said Inglis.

"We are here to help landscape and irrigation professionals who have any questions about irrigation planning, equipment and installation. We are not limiting this service to information on Hunter products only.

"The DATAline can offer technical information on a wide range of irrigation subjects — from calculating run times to head placement, precipitation rates, pipe sizing, filters, controllers and wir," he said.

# Have An Irrigation Question ?



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(continued on page 10)

## Pape and Lynch Join Seed Research of Oregon

Mike Robinson, President of Seed Research of Oregon, Inc. recently announced that Tom Pape and Skip Lynch have joined the staff in Corvallis, Oregon.

Tom Pape has assumed the position of General Manager. He completed his undergraduate degree at Morningside College, Sioux City, Iowa and recently received his Masters of Business Administration from Portland State University, in Portland, Oregon. Prior to joining Seed Research, Pape was president of Lely Pacific Inc., Albany, Oregon.

Skip Lynch will take over the position of National Sales Manager. He is an alumnus of the University of Tennessee at Knoxville. Prior to joining the SRO staff, he was a design coordinator with Jack Nicklaus Golf Services of North Palm Beach, Florida. Lynch has also worked in golf course maintenance in California, Tennessee, Ohio, Pennsylvania and New York where he was the assistant superintendent at Kutsher's Country Club.

## Athletic Field Turf Maintenance Handbook


Dr. Bruce Augustin and Art Wick of Lesco, Inc. have authored a new brochure entitled "Athletic Field Turf Maintenance Handbook." The 12-book brochure gives specifications for a variety of athletic fields. To receive a copy, call the Sports Turf Managers Association at (702) 739-8052 or Lesco at (800) 825-3726.

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## Our Arid Summers

While the climates of eastern and western Washington seem quite different, they have at least one trait in common: dry summers. That is obvious to gardeners east of the Cascades, but west side gardeners often accept the myth that "it rains all the time in western Washington." The truth is that most of western Washington gets precious little rain in the summer, just when landscape plants are most thirsty.

Most of our landscape plants are native to regions that receive more generous summer rainfall. For example, common landscape trees such as red maple, sweet gum, honey locust, flowering dogwood, and pin oak, are native to the eastern United State where summer rain is common. New York City averages 40 inches of precipitation annually, about the same as Seattle, but half of that (20.8 inches) falls between May and August. Seattle gets a meager 5.1 inches during the same period. Even the desert city of Tucson, Arizona, has wetter summers.

During July and August, Tucson receives over twice as much rain as Seattle and nearly six times that of Spokane.

How do we deal with dry summers without incurring enormous water bills? First, cut the waste. This is the easiest way for gardeners to reduce their irrigation bill. Know the water requirements of your plants. Trees and shrubs generally prefer infrequent soakings, while grass may demand water every few days. But even lawns are frequently overwatered. Apply water slowly enough so that it penetrates the soil instead of running down the street. Second, plant drought-resistant plants. Nurseries already carry a wide variety of attractive plants that require little water once established.

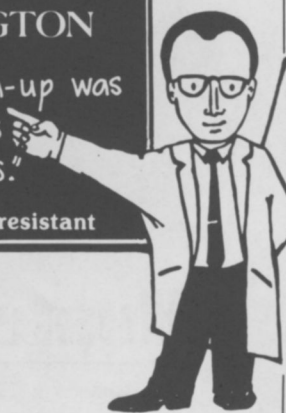
### July-August Rainfall


New York City	12.00 inches
Tucson	4.55 inches
Seattle	1.80 inches
Spokane	.79 inches
Yakima	.33 inches

Source: Van Bobbitt, Master Gardener/  
Urban Horticulture Coordinator, WSU Puyallup



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### Position C-1

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P.O. Box 1367  
Olympia, WA 98507  
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## Calendar of Events

- September 20 NTA Board of Directors Meeting  
Contact: NTA Office (206) 754-0825
- September 21-24 NTA 46th Northwest Turfgrass Conference and Exhibition  
Contact: NTA Office (206) 754-0825
- September 22 NTA Annual Membership Meeting  
Contact: NTA Office (206) 754-0825
- October 5-6 WWGCSA & GCSAA Golf Course Construction Techniques and Management  
Contact: (913) 832-444
- November 8-11 NIPGM 22nd Annual Conference  
Contact: NIPGM (414) 733-2301
- November 15-19 PGMS 81st Annual Conference  
Contact: PGMS (410) 667-1833
- November 12-13 WALP Regional Conference  
Contact: WALP (206) 236-1707
- December 2-3, 1992 WWGCSA & WSNLA Pacific Coast Turf and Landscape Tradeshow  
Contact: (800) 275-9198
- February 17, 1993 IEGCSA Turf and Trade Show  
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