

## General Education Sessions

1.5 ISA Continuing Education Units are earned upon completion of each course on Monday & Tuesday.

**8:30 AM - 11:00 AM**

### ***“Urban Forestry: The Future and Its Impact on the Tree Care Profession”***

Mr. Jean Claude Mercier — Deputy Minister, Forestry, Canada  
Mr. Allen West — Deputy Chief, U.S. Forest Service  
Mr. Marcus Sangster — Forestry Commission, England

**11:00 AM**

### **TRADE SHOW OPENS**

Have lunch with exhibitors.

**1:30 PM - 3:00 PM**

### ***The Dynamics of Urban Tree Hazard Reduction***

Certain factors that lead to tree hazards are preventable. Session discusses proactive options available to those who design, plan and manage urban tree stands and for the tree care practitioners.

### ***Successful Strategies in the Use of Beneficial Insects for Plant Health Care***

Session will focus on the strategies and practical use of beneficial insects in plant and tree health care—what has and has not worked and how to manage a property.

**3:30 PM - 5:00 PM**

### ***Environmental Impact of Drought***

Session will focus on what constitutes plant water stress; the general effects of water stress on growth, disease and insect injury; water usage by urban trees and water retention capacity of different soils; and the beneficial effects of water stress.

### ***Moving Big Trees: Why, When and How***

Session will focus on the reasons for transplanting large trees and an overview of manual and mechanical transplanting methods.

## Trade Show

The following equipment and products will be on display by their manufacturers and distributors at the **Trade Show Monday, August 10 from 11:00 AM to 6:00 PM and Tuesday, August 11 from 9:00 AM to 3:30 PM**: aerial lifts/devices and bucket trucks; chipper and forestry truck bodies; disc and drum brush chippers; stump grinders; lightning protection supplies; the latest in rigging equipment; diagnostic equipment; pruning saws, folding saws, pole saw blades, long arm pruners, loppers and pruning shears; chain saws; plant health care (PHC/IPM) management products; fungicides, herbicides and insecticides; professional tree, turf, and shrub fertilizers; root barriers; tree injection systems; soil aeration and tree fertilization tools; log splitters; computer systems for arborists and landscape companies. **Trade Show Only — Passes available.**



**8:30 AM - 10:00 AM**

### ***Designing & Managing Sustainable Landscapes***

Session focuses on designing landscapes that give more maintenance and sustainability benefits; how landscape architects can integrate plant facts into design and meet the client's needs.

### ***Urban Forestry Issues***

Session focuses on three issues: the relationship between street tree growth and projected pruning and waste wood management costs.

**10:30 AM - NOON**

### ***From the Ground Below: An Educational Approach to Street Tree Planting***

Session focuses on the unique constraints that the underground urban environment places upon trees. A “how-to” review of planting strategies.

### ***Tree Care Issues***

Session focuses on biological control methods for controlling pests of landscape plants.

**NOON - 1:30**

***Have lunch with the Exhibitors at the Trade Show.***

**1:30 PM - 3:00 PM**

### ***Roots-Water Interactions in Urban Soils***

Session focuses on critical issues such as root/soil interactions and how to promote root health.

### ***Tree Replacement Programs***

Session focuses on utility-developed programs designed to help the professional manage trees and power lines.

### ***Tree Breeding, Selection & Production***

Session focuses on use of composted municipal yard waste to replace peat in potting mix; impact of biotechnology on improving trees; and multi-methods of rating/assessing street trees.

**3:30 PM - 5:00 PM**

### ***Broadening Your Arboriculture Perspective from Down Under and The Continent***

Session focuses on tree care practices used in Australia and Europe.

### ***Right-of-Way Maintenance Programs***

Session focuses on research treatment methods of ROW maintenance.

### ***Tree Hazard, Pruning & Climbing Concerns***

Sessions focuses on tree care hazards or structural failure patterns, shapepruning methods, and assessment of new climbing techniques.





1992 INTERNATIONAL SOCIETY OF ARBORICULTURE ANNUAL CONFERENCE

## Discover Arboriculture

August 8-12, 1992 • Parc Hotel • Oakland, California



**HOW TO REGISTER:** Complete and send registration form below to: International Society of Arboriculture, P.O. Box 908, Urbana, IL 61801 USA, or FAX (217) 328-7483.



**HOTEL:** Host Hotel — Parc Hotel, (510) 451-4000 or (800) 338-1338. (Reservation deadline July 17, 1992.)

NAME \_\_\_\_\_ NICKNAME (for badge) \_\_\_\_\_ ISA MEMBER ✓:  YES  NO

COMPANY \_\_\_\_\_ PHONE # \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_

REGISTRATION PACKAGE # (See below) \_\_\_\_\_ BUSINESS TYPE ✓:  COMMERCIAL  MUNICIPAL  RESEARCH  UTILITY  STUDENT

OTHER ATTENDEES: Please photocopy this form.  OTHER \_\_\_\_\_

### REGISTRATION PACKAGE DESCRIPTIONS

- #1 **BASIC CONFERENCE PACKAGE:** Sunday, August 9 - Wednesday, August 12. Includes all conference events, the trade show, luncheons on Sunday, Monday, Tuesday and banquet on Wednesday.
- #2 **CONFERENCE PLUS PACKAGE:** Saturday, August 8 - Wednesday, August 12. Includes Saturday "Tree Academy" workshops plus the entire conference and trade show as described in Choice #1.

- #3 **TREE ACADEMY:** Saturday, August 8. Includes luncheon at Academy.
- #4 **ONE-DAY BADGE PACKAGE:** Choose any day(s). Includes admission to all conference and trade show events for day(s) chosen. Luncheon included.
- #5 **TRADE SHOW PASS ONLY:** Monday, August 10 and/or Tuesday, August 11. Includes luncheon.

PACKAGES	QTY.	ADVANCED REGISTRATION Postmarked By July 20, 1992		ON-SITE REGISTRATION Postmarked After July 20, 1992		AMOUNT DUE
		ISA-Member	Non-ISA Member	ISA-Member	Non-ISA Member	
#1 BASIC CONFERENCE PACKAGE August 9-12		\$210	\$280	\$260	\$330	\$
#2 NOTE: If selecting this package, you must indicate priority choices in gold box below. CONFERENCE PLUS PACKAGE August 8-12		\$275	\$355	\$335	\$405	\$
#3 NOTE: If selecting this package, you must indicate priority choices in gold box below. TREE ACADEMY August 8		\$ 65	\$ 75	\$ 75	\$ 85	\$
#4 ONE-DAY BADGE PACKAGE Specify appropriate day.		SUN. \$60	MON. \$90	TUES. \$90		\$
#5 TRADE SHOW PASS ONLY Specify appropriate day.			MON. \$15	TUES. \$15		\$
<b>TOTAL AMOUNT DUE</b>						\$

METHOD OF PAYMENT ✓:  CHECK  VISA  MASTERCARD

CARD NO. \_\_\_\_\_ EXP. DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

Prices reflect U.S. currency. Make checks payable in U.S. funds to: International Society of Arboriculture.

### PRIORITY CHOICES FOR SATURDAY TREE ACADEMY WORKSHOPS

Attendance in each session is limited — Participation based on first registered-first served basis.  
Place numbers 1, 2, & 3 in boxes to indicate workshop preferences with 1 being your first choice.

#### FULL-DAY WORKSHOPS

- A. USING THE NEW TREE EVALUATION GUIDE
- B. IMPLEMENTING TREE MANAGEMENT SYSTEMS & DESIGNING ENERGY EFFICIENT LANDSCAPES
- C. ASSESSING TREES FOR HAZARD

#### HALF-DAY WORKSHOPS

- D. RIGGING, CABLING/BRACING, PRUNING
- D-1 PRUNING TO REDUCE HAZARDS
- D-2 SAFE PRACTICES IN RIGGING AND REMOVAL
- D-3 CABLING & BRACING



# IRRIGATION SHOWCASE

## Valve Boxes

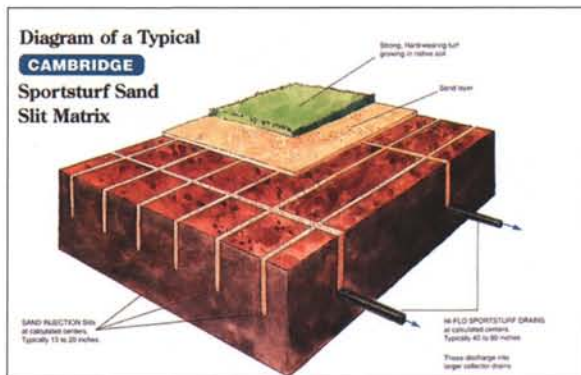


DFW/HPI offers a line of plastic irrigation valve boxes. With over 20 years of experience, we know just what it takes to be a leader in price, innovation, and product quality. The latest injection molding techniques of high density polypropylene make our valve boxes rugged, yet lighter and easier to handle. DFW/HPI's boxes and pits are also easier to ship and store. Innovation, quality, and service is the way of life at DFW/HPI!

**DFW Plastics, Inc., P.O. Box 648 Bedford, TX 76095 (817) 488-6504, (817) 488-4412**

Circle 115 on Postage Free Card

## Sportsturf Drainage



Eliminate runoff.

Prevent salts buildup.

Avoid puddling or soggy turf.

Make your playfield usable year-round!

Save water by reducing surface evaporation.

**Cambridge Sportsturf Drainage, Inc.,  
Michael Lansdale, 1022A San Andreas  
Road, La Selva Beach, CA 95076-9639,  
(408) 728-3520, Fax (408) 722-2247**

Circle 116 on Postage Free Card

## Total Motor Controller



Save Your Greens! Glenscott Motor Controls, Inc. has developed the "Total Motor Controller" with variable speed, soft start and motor protection in single or three phase models. Programmable controls allow custom system designs. Water your courses in "Off Peak" hours. Available up to 100 hp. For your nearest distributor call 1-800-323-3449

**Glenscott Motor Controls, Inc.,  
2830 5th St, Rock Island, IL 61201  
(309) 786-0273**

Circle 117 on Postage Free Card

## Soil Amendment



Agrosoke, a soil amendment designed and patented to improve turf and plant growth while conserving water, also offers other valuable benefits. Optimum utilization of all water, fertilizers and chemicals applied. Reduced soil compaction, even in high traffic areas. Better percolation reducing contaminated ground water runoff. Develops stress and disease-resistant turf and plants.

**Agrosoke, Inc., 7415 Whitehall St.  
Suite 119, Fort Worth, TX 76118,  
(817) 284-9831, Fax (817) 284-0629**

Circle 118 on Postage Free Card



# IRRIGATION SHOWCASE

## The Polymer System



The HydroGrowth system is built around a family of Stockhausen's water-absorbing polymers coupled with subsurface injection equipment that produces dramatic, visible, and economic results. Our unique, patent-pending system enables the optimum benefits of the polymer to be achieved at a price of \$750 to \$1,500 per acre, including product and installation. Effective for both existing turf and new turf installations.

### HydroGrowth Technology, Inc.

3690 S. Park Ave, Suite 805, Tucson, AZ  
85713 (602) 624-1000 Fax (602) 624-1174

Circle 119 on Postage Free Card

## Water System Pumps



Jacuzzi offers a full range of water system pumps to fit a variety of applications. These pumps have a long history of providing sprinkler irrigation for athletic fields and other recreational areas, parks, and schools. In addition to providing high performance and dependability, Jacuzzi water

systems pumps boast a name that is recognized worldwide.

**Jacuzzi Bros. Division, 12401 I-30  
Little Rock, AR 72219-8903  
(501) 455-1234**

Circle 120 on Postage Free Card

## Solvent Cement And Primers



### NEW! Oatey PLUMBERS HAND CLEANER

safely removes PVC, ABS, and CPVC plastic pipe cement. Fresh scent contains aloe, lanolin, jojoba, and vitamin E.

**RAIN-R-SHINE**  
cement is the fast set cement for

wet pipe repair. When you need your system working "fast," rely on Oatey **RAIN-R-SHINE**

### Oatey Company

Cleveland, OH (800) 321-9532  
Atlanta, GA (800) 624-2131  
Newark, CA (800) 874-1863  
Dallas, Tx (800) 426-8842

Circle 121 on Postage Free Card

## Solar Irrigation Power



Photocomm, Inc., the #1 name in solar electricity, produces Solar Irrigation Power systems (SIPs) and Sundrop irrigation controllers. SIPs provide reliable AC power for operating conventional irrigation controllers and remote control valves. SIPs and Sundrop are ideal for retrofitting or automating irri-

gation systems where public utility is unavailable or cost prohibitive.

**Photocomm, Inc., 101 State Pl. Ste. P,  
Escondido, CA 92029 (619) 741-5690**

Circle 122 on Postage Free Card



# IRRIGATION SHOWCASE

## Water Reels



Kifco has introduced two models to their popular line of Water-Reels. The new B110 and B180 extend the product line to ensure there is a Water-Reel to fit your needs. Machines are compact, easy to use, operate unattended, and shut off automatically. They are suitable for all types of sports turf and are easily transported from one area to another. Water-Reels combine outstanding features that come from more than 25 years of traveling sprinkler engineering.

**Kifco, Inc., P.O. Box 367,  
600 S. Schrader Ave., Havana, IL 62644,  
(309) 543-4425 Fax (309) 543-4945  
Circle 123 on Postage Free Card**

## Surface Aspirating Aerator



The ultimate water management for landscape lakes and ponds. The TORO Surface Aspirating Aerator provides chemical-free control of odor and algae. The aerator mixes and destratifies water to decompose waste products, leaves, and fertilizer, and reduce sediment build-up. Decorative rock covers available. Operates inconspicuously with no spraying or splashing. Available in 1, 2, and 3 hp. Stainless-steel construction for maintenance-free operation.

**AquaScape Technologies,  
2611 North Second Street, Minneapolis, MN  
55411 (612) 521-3321, Fax (612) 521-1455  
Circle 124 on Postage Free Card**

## Polymer



Reliable moisture for turf seeding, hydroseeding, sod laying, tree and shrub planting. Successful, faster turf seed germination and improved survival of sod, trees, and shrubs is obtained with Viterra® Gelscape® polymers. The exceptional moisture release formulation of Gelscape® reduces plant damage due to moisture stress and makes call backs unnecessary.

**Amereq, Inc.,  
50 North Harrison Avenue,  
Congers, NY 10920,  
(800) 832-8788, (914) 268-2122,  
(914) 268-4294, Fax**

Circle 125 on Postage Free Card

## Subsurface Drainage



The PDS System reduces the cost, time, and labor to install a drainage system. This high-tech system is longer-lasting and a more effective alternative to conventional, french drain, and trench drain systems. PDS prefabricated drain systems create "void space" beneath the surface of the earth. Tough geotextile prevents soils from entering the cus-

patented core, yet allows water to enter freely. Water inside the core moves laterally to an auxiliary drainage system, sump, or outlet. Little or no slope is required.

**PDS Pro Drain Systems, 1500 Alloy Parkway,  
Box 668, Highland, MI 48357,  
Phone (313) 887-6657, Fax (313) 887-0855  
Circle 126 on Postage Free Card**



# IRRIGATION SHOWCASE

## Irrigation Remote Control



Time Out. Don't accept less. Be sure to see the TRC2 before you decide on purchasing any irrigation remote control system. \*A low cost means to upgrade your existing system. \*Proven field experience. \*Installed on 20 courses nationwide. We are the oldest manufacturer of irrigation remote controls. Take Time Out...Call Us First.

**Remote Control Technology, Inc.**  
2635 151st Place NE, Redmond, WA 98052  
(206) 885-2141

Circle 127 on Postage Free Card

Photo Credit: Highland Springs Country Club, 12th hole. Henebry Photography

## Flowmeter



Data Industrial 1400 series flowmeter is a battery-powered insert-style flowmeter that displays rate and total. Display is housed in a rugged aluminum enclosure built to Nema 6P submersion specifications, allowing the unit to operate fully submerged in a flooded meter pit for extended

periods of time. The 1400 can be calibrated in the field for any size or type of pipe.

**Data Industrial Corporation, 53 Portside Drive, Pocasset, MA 02559 (508) 563-7196**

Circle 133 on Postage Free Card

## Aerator



Font'N-Aire combines the beauty of a romantic fountain with the benefits of an efficient aerator. Nothing moves water like a propeller...Air-O-Lator has been involved in propeller design and the technology of aerating since 1967. Font'N-Aire incorporates the Franklin electric, water-cooled, water-lubricated, submersible motor. We believe we have the most energy-efficient fountain on the market. Video available.

**Air-O-Lator Sales Office-  
Plant/Service Center, 8100-04 Paseo,  
Kansas City, MO 64131 (800)-821-3177**

Circle 129 on Postage Free Card

## Self Cleaning Water Filters



Orival-Filtomat® filters protect sprinklers, mini-jets, drippers, etc. by removing sand, gravel, algae, pollen, silt, leaves, snails, mussels, and other dirt particles down to 15 micron from all types of water. Self-cleaning without interrupting system flow. Require only routine maintenance, no changing of media. Single units handle flow rates to 4800 GPM. Easy to install. Payback usually less than one year. For a free video cassette, contact:

**Orival, Inc., National Sales Headquarters  
40 North Van Brunt St., Englewood, NJ 07631,  
Phone (201) 568-3311, Fax (201) 568-1916**

Circle 130 on Postage Free Card



# IRRIGATION SHOWCASE

## Stolons



Most economical way of planting stolons—Mechanical Planting with Flannigan. Management will save money, and you will have a beautiful and durable turf to play on. Hybrid Bermudas, St. Augustine, and Zoysiagrass for new plantings or planting through existing turf. Call Flannigan for a quote, then prepare your turf areas for planting.

**J.D. Flannigan Stolon Planting Service**  
29657 Jura Court, Menifee, CA 92584, (714) 672-7343,  
1462 Keys Place, Vista, CA 92083, (619) 630-8910,  
Fax (619) 945-7345

Circle 131 on Postage Free Card

## Sports Surface Supplies



Used by over 75 Pro Baseball teams! Your one-stop source for America's finest sports surfaces and supplies including Beam Clay®, Diamond-Dry®, Terra-Green®, Partac®, and much more. Distribution centers in the East, West, South, and Midwest! For our new 1992 56-page information package, contact:

**Partac Peat Corporation (Beam Clay®),**  
Kelsey Park, Great Meadows, NJ 07838  
(908) 637-4191, (800) 247-BEAM

Circle 132 on Postage Free Card

## Mechanical Aeration



Kasco may be a new name to turf managers, but it has been well known and respected in the marine and aquaculture industries for 20 years. Kasco now offers turf managers affordable and attractive mechanical aeration as a solution to water problems. Aerators are available in 1/2, 3/4, and 2 hp sizes.

**Kasco Marine, Incorporated**  
1925 Quinlan Avenue South, Lakeland,  
MN 55043  
(612) 436-7611, Fax (612) 436-6734

Circle 128 on Postage Free Card

## New Turf Tire



Stay On Top. McCord's new 54-3100-26 turf tire is the ultimate way of working your turf even in wet conditions. Unlike the diamond tread designs, the unique turf tread and the large flat contact area produces minimized soil compaction with no damage to the grass. McCord's custom-built wheels allow easy conversion for your turf equipment.

**McCord Auto Supply, Inc., U.S. 24 West,**  
P.O. Box 743, Monticello, IN 47960  
(219) 583-4136, (800) 348-2396,  
Fax (219) 583-7267

Circle 134 on Postage Free Card



# STMA IN ACTION

## ASSOCIATION NEWS

### STMA-CHAPTER NEWS

Currently, STMA has six regional chapters. Regional meetings help STMA members keep up-to-date on the latest in sports turf management and provide a forum for interaction between individuals facing similar problems. Borrowing a quote from the Florida

Chapter—"We learn from the mistakes and experiences of others because we cannot possibly live long enough to make them all ourselves."

**Colorado Chapter: Sports Turf Managers Association**—CCSTMA will stage a golf tournament on July 10 at Pine Creek Golf Course in Colorado Springs.

A workshop is scheduled for the first week in August. General topics will include care of softball/baseball fields and how turf managers execute the switch over to football/soccer play. For further information on any of these programs, or the Colorado Chapter, contact Bill Whirly at (303) 221-6660.

## PRESIDENT'S MESSAGE

*Dr. Gil Landry, Jr.*

**T**hrough time, people have joined together to pursue common interests and share ideas. This cohesion has, time and again, proven to develop new ideas, inventions, and principles. Associations evolve and exist for these reasons.



In the past 15 years, the number of associations in the United States and abroad has nearly doubled. According to the Washington, DC-based American Society of Association Executives (ASAE), seven-out-of-10 Americans belong to at least one of the nation's more than 100,000 national, state, or local associations. Twenty-five percent of all Americans belong to four or more associations.

Associations put the synergistic power of a group to work in solving mutual problems and attaining mutual goals. This is, of course, the very purpose of the Sports Turf Managers Association (STMA). The STMA enables people like yourself, who are in the same business, to freely share ideas and experiences.

While associations provide for education, socialization, and friendship, the need for associations such as STMA is mainly a matter of performance. By participating in STMA, you are positioning yourself and your company for

success. STMA is committed to disseminating scientific and practical knowledge about sports turf management directly to you. This very fact enables you and your company to stay in touch with the industry; what's hot, and what's not.

Belonging to and participating in STMA has its advantages. STMA and its local chapters offer the only specialized forum for sports turf managers and affiliated industries to discuss current trends and practices. And, in addition to the annual meeting and conference held once a year, STMA sponsors five regional institutes.

You also receive six bi-monthly issues of the STMA newsletter containing vital information on industry trends, technical practices, chapter and national news, and more. STMA recently agreed to lend its name to *sportsTURF Magazine*. As the official publication of your association, this magazine contains important industry association information. The editors of *sportsTURF* are working hand-in-hand with STMA Headquarters staff to cover the hottest sports turf industry news.

Other STMA priorities, which will directly benefit you, include establishing chapter development/relations standards that take into account both national and chapter needs; maintaining your voice in national issues such as the development of standards for athletic field construction and maintenance; and researching a national cer-

tification program that would cultivate professionalism and add leverage during job searches and salary negotiations.

The STMA is working for all sports turf professionals. We hope we are fulfilling your needs. We're working hard to cultivate and refine our resources to benefit you and your company. But more is needed—financially and functionally.

STMA is currently in the midst of its annual membership renewal campaign. If you have not renewed your membership in STMA, please respond to the membership invoice that was mailed to you in May. If you are not a member, please complete the membership application located in this magazine and forward to STMA Headquarters with payment. Feel free to contact Bret Kelsey, STMA interim executive director, with any questions: STMA Headquarters, 401 N. Michigan Ave., Chicago, IL 60611-4267, (312) 527-6710.

*Note: Some of the principles and statistical information for this article were taken from "Principles of Association Management," A Professional Handbook, published by the American Society of Association Executives, 1975, '88, and '90; and "Associations Gain Prestige and Visibility by Serving as Expert Resources to the Media," by Helen Frank Bensimon, APR and Patricia A. Walker, APR, CAE; Public Relations Journal, February 1992.*





**Midwest Chapter: STMA**— On June 24, The National Midwest Sports Turf Institute will be held at Wheaton College, Wheaton, IL from 8:30 a.m. to 3 p.m. On-site registration begins at 7:30 a.m. This Institute—"The Look of the Professional—Meeting the Challenge for High Quality and Safe Sports Turf," will combine practical demonstrations on athletic field maintenance techniques, educational sessions, and a trade show.

For further information, contact Mike Trigg, Waukegan Park District, (708) 360-4750.

**Chesapeake Chapter: STMA**— The Chesapeake Chapter will hold an All Day Field Day and Workshop on August 5 at the University of Maryland, College Park Campus from 8 a.m. to 4 p.m. For recorded details on this event, call the Chesapeake Chapter Hot Line at (301) 808-3966. For additional information on the Chapter and its programs, contact Ray Flood at (301) 601-4311.

**STMA Florida Chapter #1—**

For information on the benefits of involvement with the South Florida Chapter, or for details on meetings and chapter activities, contact John Mascaro

(305) 938-7477.

**Carolina Chapter: STMA**— On June 26-27, The Carolina Chapter's Sports Turf Institute will be held at the Greenville-Spartanburg Airport Marriott. June 26 hours are 8 a.m. to 5 p.m. June 27 hours are 8 a.m. to 11:45 a.m.

Educational seminars include: "Weed Identification and Control," presented by Tim Murphy, University of Georgia; "Environmental Efforts of Turfgrass Management," presented by Dr. Landon Miller, Clemson University; "Soil Testing," by Emory Jones, Clemson University; "Irrigation of Athletic Fields," by Frank Conn, Toro, Smith Turf & Irrigation; "Athletic Field Cultivation," presented by Dr. Gil Landry, University of Georgia and president of the National STMA; and "Equipment Maintenance and Turf Renovation," presented by Tim Drake, Furman University, Lawn and Shrubs.

For more information on the Sports Turf Institute or the Carolina Chapter and its activities, contact Bucky Trotter at (803) 288-7654 or (803) 862-3071.

**Iowa Sports Turf Managers Association**— The Iowa Chapter of STMA will hold a workshop in Carroll,

IA, from 9:30 a.m. to 3 p.m. on August 11. The care and maintenance of football and other sportsturf areas will be the focus of the workshop. For information on the workshops or the chapter, contact Gary Peterson at (515) 792-6433.

**Special Events**— The Sports Turf Managers Association will be holding a special Northwest Institute on July 9 from 8:30 a.m. to 3:30 p.m. at the University of Portland. The educational program includes: "Diagnosing and Solving Problems with Athletic Fields," presented by Steve Cockerham, U.C. Riverside; "Fertilizer Movement in Sand and Amended Sand Profiles," presented by Gwen Stahnke, Washington State University; "Can We Build Low-Cost Sports Fields That Work?," and "Current Technology for Artificial Turf," presented by Don Hogan, D.A. Hogan and Associates; and "Selecting Turf Varieties for Seeding and Overseeding Athletic Fields," presented by Bill Meyer, Turf Seed, Inc. After a noon lunch, field tours and equipment demonstrations will be conducted. For further information, contact STMA Headquarters at (312) 527-6710. □



# SCORE BIG!

## Join the Sports Turf Managers Association.

Are you ready to make the move up to the big leagues? If you are, then it's time to become a member of the Sports Turf Managers Association. We're an organization of professionals representing all segments of the sports turf industry. Our members are responsible for the safety of both natural and synthetic athletic fields. We help you—the sports turf manager—understand how to do your job better. We seek to instill professionalism into our industry and strive to improve the scientific and practical knowledge of our members. We have national awards, scholarship and research programs which recognize leaders in our industry. So, if you are ready to play with the big-leaguers and score big professionally, join the Sports Turf Managers Association!

**Membership Categories**

Please check one

- |  |       |                          |
|--|-------|--------------------------|
| <b>CATEGORY</b>  |       |                          |
| 1. Professional sports turf facility managers                                      | \$75  | <input type="checkbox"/> |
| Additional members from same facility  | \$45  | <input type="checkbox"/> |
| 2. Four-year colleges /universities  | \$75  | <input type="checkbox"/> |
| Additional members from same facility  | \$45  | <input type="checkbox"/> |
| 3. Other schools, parks, ext. agents, municipal                                    | \$50  | <input type="checkbox"/> |
| Additional members from same facility  | \$30  | <input type="checkbox"/> |
| 4. Students  | \$20  | <input type="checkbox"/> |
| 5. Commercial Affiliates (U.S. & foreign)  | \$150 | <input type="checkbox"/> |
| Additional members from same company   | \$30  | <input type="checkbox"/> |
| 6. Persons outside U.S. other than commercial affiliates (must be in U.S. dollars) | \$50  | <input type="checkbox"/> |

Please send check or money order (U.S. dollars only) to **SPORTS TURF MANAGERS ASSOCIATION, P.O. Box 98056, Las Vegas, NV 89193-8056.**

For more information, telephone, (702) 739-8052.

Name: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Employer: \_\_\_\_\_  
 Type Business: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Signature: \_\_\_\_\_



# SUCCESS WITH SOD: FROM SELECTION TO INSTALLATION



Laying sod at Anaheim Stadium. Photo courtesy Pacific Sod.

**W**ith sod, you're buying establishment time," says former Rutgers professor Dr. Henry Indyk, now with Turfcon, a professional turfgrass consulting group in Horsham, PA. "You're buying a mature product. Given the correct conditions and circumstances, a field can be ready for play a month after sodding."

Whether you're sodding a Little League Diamond or resodding a long fairway, sod is the quickest way to establish a natural playing surface. Speed and maturity, as Indyk points out, are what you're paying for. You can make the investment pay big dividends both now

and in the future by paying attention to a few of the sod fundamentals.

## Selection: Use And Maintenance

Through a process of genetic manipulation, turfgrass breeders at seed companies improve grass color, wear-tolerance, disease- and insect-resistance, texture, growth habit, and more. A handful of these constantly improving varieties will be marketed nationally. Some will only be sold regionally. Others find their way into blends or mixes without ever being sold under a separate brand name. The best find their way to sod farms around the country.

The development process is painstaking. A Kentucky bluegrass can take 10 years or longer to develop. Tall fescues and perennial ryegrasses can take one-third less time, and work is continual on developing improved common bermudagrass and zoysiagrass. The improved varieties of tomorrow are being evaluated at universities and research farms today.

Sod growers often have priority when the first seed of a new variety or blend is released. Many seed companies market a high grade of seed for sod producers. Therefore, sod producers have the opportunity to offer a continuously changing selection of sod. They also have the ability to purchase a seed mixture that will produce sod adapted to growing conditions in your area.

"One of the first things to consider is whether a particular sod is appropriate for its intended use," emphasizes Indyk. "You also have to consider the level of maintenance it will receive."

Indyk says that among the cool season grasses, bluegrasses tend to provide the best wear-tolerance. He also recommends some of the newer tall fescues for high-use areas.

"From a standpoint of high-quality aesthetics, bluegrass is a good choice," he notes, "but some of the newer tall fescues have an appearance comparable to that of bluegrass."

Among warm season grasses, Indyk suggests bermudagrass for high-use situations. However, he offers a warning for bermudagrass in heavy-use conditions. If the field receives the bulk of its play while the bermudagrass is dormant, the installation will most likely fail.

Another factor in selection to watch is compatibility of soils—the type of soil in which the sod is grown should match, as closely as possible, the type of soil in its new home. Indyk calls this the "soil differential." Sod grown in a clay soil, for example, will most likely have rooting and drainage problems on a sand-based field.

"One of the most common mistakes I've seen is to take a sod grown in a heavy-textured soils and place it on a field modified with sand," says Indyk. "If the field had a heavy soil, it would be less of a problem. In a field modified with sand, you want to find a sod grown in a similar type of sandy soil, and in roughly the same type of coarse or fine sand. That can pose a problem since sod grown in sandy soil is not always readily available. If necessary, sod washing can remove the heavy textured soil."