

SPORTS MANAGER

May/June 2002 • OFFICIAL NEWSLETTER OF THE SPORTS TURF MANAGERS ASSOCIATION • Volume XX, Number 3

2003 Conference Will Be Filled with Star Attractions

exas is the Lone Star State - but it's filled with star walk from the Hyatt. An in-depth guided tour will be a attractions. The City of San Antonio offers a multi-cultural extravaganza of experiences - sights and sounds sure to capture your attention and earn a special place in your heart.

★ Hyatt Regency San Antonio

River Walk

Our Headquarters Hotel is spacious, bright and cheerful with great gathering places to mix and mingle. The hotel front door opens onto the streets of San Antonio. The back door opens to the famous River Walk.

The River Walk (The Paseo del Rio), in the heart of down-

town, is the pride of the city. Walkways bordering the banks

of this peaceful, historic river lead visitors to the river-level

restaurants, shops and gathering places. The River Walk

itself flows with activity, a virtual United Nations of people.

The city's star conference facility is connected to the hub of



Remember the Alamo!

***** Educational Program

Here's where you'll join together with educators and sports turf managers in general sessions, concurrent sessions, workshops and round-table discussions honing tools you can use to take your management programs to an even higher level.

★ Hospitality - Big as the Heart of Texas!

The input already provided by the South and North Texas



feature of the Sunday Sights Tour.

Mosaic on Henry B. Gonzalez **Convention Center**

Chapters and the Wednesday and Sunday Seminar on Wheels site hosts has been great - reflecting their commitment, dedication and enthusiasm for this pro-

fession.

★ Henry B. Gonzalez Convention Center

Henry B. Gonzalez Convention Center by boat

activity via streets and sidewalks and the River Walk. You can float by and marvel at the historical mosaic. amble to the site along the River Walk or take the direct route, just minutes from the front door of the Hyatt. It

provides ample space to showcase the products and services of STMA's all star vendors.

* Remember the Alamo

The Alamo is small in size, huge in inspiration - in the heart of the city and in the heart of the nation. It's a just a short

You'll remember the 2003 Conference as long as the Alamo!



SPORTS TURF MANAGER

Official Newsletter of the Sports Turf Managers Association 1027 S. 3rd Street Council Bluffs, IA 51503-6875 712/322-STMA (7862), 800/323-3875 (FAX) 712/366-9119 (e-mail)

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Volume XX Number 3 May/June 2002

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Sports Turf Manager is a publication of Sports Turf Managers Association (STMA). It is published bi-monthly and is free to STMA members. Sports Turf Managers' goal is to promote the mission of the association by providing a channel for communication between the representatives of the board and its constituency. STMA is no responsible for the opinions expressed in this publication. Address changes, advertising, photographs, and editorial inquiries should be directed to the executive offices. © 2002 Sports Turf Managers Association. All Rights Reserved.

President's Message

Your Efforts Are Appreciated By Murray Cook

It's been a challenging spring for many STMA members. Reports from across the country have detailed the heavy hits from Mother Nature. While large areas of the US are suffering extremely dry conditions, other areas have been deluged with heavy and frequent rainfall. While many sports turf managers are coping with water restrictions, others are experiencing flooding.

Despite all this, somehow, someway, through a combination of knowledge, expertise, skill and good old-fashioned hard work, sports turf managers find a way to keep their fields in playable condition. Sometimes that requires postponing or canceling games during extreme weather conditions to preserve the field for future use. Explaining that need to field user groups, coaches and supervisors is a key part of this profession.

Good communication is essential. People respond more positively to things they understand, so it's important to include the reasons behind the decision to suspend field use along with the announcement of that decision. It's also important to understand that field owners, coaches, supervisors and field user groups each face their own pressures to get in all the games that have been scheduled. It's through working together that we are able to balance the needs of the sports program with the needs of the fields. It may take extra effort - making one more round of phone calls to discuss current conditions before announcing a cancellation or stationing a key crew member at the site to prevent unauthorized play to produce the desired results. The good part of all this is, that whatever it takes, sports turf managers have proven that they are willing and able to step up to the plate to get the job done.

This dedication and commitment are so much a part of what you do every day, week after week, year after year, that most of you don't even consider it "anything



Murray Cook

special" any more. Yet, as I have the opportunity to talk with other STMA members across the country and learn about how you manage your field maintenance programs, I see the big picture of the impressive results you produce.

I'm also impressed with the networking that is so often involved in those results. While other industries may closely guard their "trade secrets," you are quick to share yours. You're open and honest about your successes - and your failures. You relate not only what worked in a specific situation, but also what didn't work. You want to help others share in those successes and avoid any negative outcomes. It's all about providing the best playing surfaces possible for all levels of play.

Your work is appreciated. Though you may not hear a thank you from those who use your fields, their appreciation is expressed through the joy of participation in the games. It's expressed through the success of those whose athletic skills continue to grow through youth leagues, high school, college and professional sports. The pinnacle of some athlete's "career" may be the championship played at any one of these levels - and played on your field. That appreciation also is expressed by those who continue to participate in sports as adults, and even as seniors. They, perhaps more than anyone else, play for the joy of playing. It's your efforts that make this all possible.

So, for all those who use your fields, and on behalf of STMA, thank you!

Mong bout

How Do You Do...?

The question: How Do You Maintain Field Playability During Weather Extremes?

Answered by Boyd R. Montgomery, CSFM, Sylvania (OH) Recreation Corp.

Northwest Ohio has seen it share of rain this spring season. We have also taken an aggressive approach in trying to get games played on SAFE fields during weather events. For our baseball/softball fields, we work the infield material every day, sometimes twice in a day if the wet weather has caused them to become overly saturated. Our goal when we have games on the diamonds is to make sure that all the players on the skin surface will have a safe, firm base for the game. We will work in calcined clay after we have blown the puddles with back pack blowers and then rake the area out. We stock around ten tons of our diamond material on site so if we need some drier material we can go to our storage bin area and pull from it. In extreme conditions, when we have an area that has become over saturated, we will pull the material out and replace it with new dry material mixed with calcined clay. The outfield areas generally drain well, although we have one chronic corner that always seems to gather water (it's the lowest spot in the park). We have a trash pump that we keep fueled up and, if we get standing water, we will go out and pump the water away into a catch basin 100' away. It's always a challenge when Mother Nature decides to throw you a curve ball, but we try to attack each challenge positively. And, it sure feels great when you get that game in and someone thanks you for the hard work you have done!

Answered by Jody Gill, Blue Valley School District, Overland Park, KS.

I think the two most important things are to have excellent drainage and an adequate water supply. During wet periods, drainage is everything. We maintain a 1.5%-2% crown on turf areas and a 0.6%-0.9% crown on skinned areas and always make sure that storm drains are open and functioning. When we know we are entering a wet period, we will roll skinned areas to a tight, compacted condition to minimize percolation and pinspike or needletine aerate turf areas to increase percolation through the rootzone. We also make sure coaches and ADs know what it costs to rebuild a field and remind them that they could destroy a field with one practice in saturated conditions. During periods of high heat, water supply is everything. We use water to soften skinned areas and we have chosen irrigation controllers that are capable of multiple syringe times (one or two turns of each head) to cool turf canopies. We also base irrigation schedules on daily evapotranspiration rates to avoid overwatering.

Answered by Steve LeGros, HersheyPark Stadium, Hershey, PA

The best way to handle these curves that Mother Nature throws at us is to be proactive for the worst, and not reactive. I suppose we could talk about aeration, seeding, rain covers, and soil amendments. But let's not put the cart before the horse.

What I mean by proactive is to be two steps ahead of what's

coming (rain, hail, snow, etc.) always being aware of the weather forecast two, three or four days out.

Format a plan if the worst should happen. Determine what you will do prior to it happening and what to do if it should arise during an event. Keeping the staff aware of these plans so that everyone's on the same page. Talking it out with them and kick around ideas that you may have over looked. Put it down on paper as a guideline so that, in the heat of the battle, something is not forgotten. And until you have lived this experience what you format is only in theory. So after the ship is once again afloat sit down with all who were involved and go over how it was handled and what could be improved upon.

Remember each facility will be different, but instead of reinventing the wheel make some calls to other sports turf managers to see what they have done and what to expect.





Chapter Events



Virginia Sports Turf Managers Association:

The Virginia Chapter will hold a Field Day from 8:00 AM to 3:00 PM on June 14 at Nottoway Park in Vienna. Events will include an overview of the Fairfax County Athletic Fields by Bob Studholme and Dan Sutherland of the Fairfax County Park Authority, Field Maintenance Demonstrations, and Equipment Demonstrations and Vendor Displays. For information on this event, contact Bob Studholme via e-mail: rstudh@fairfaxcounty.gov or at 703-324-8590.

VSTMA also will participate in the Virginia Tech Field Day July 30 and 31. For information, contact David McKissack via email: turf1@vt.edu or at 540-231-5897.

For information on the Virginia Chapter, or other upcoming events, contact: Randy Buchanan, County of Henrico Recreation and Parks, via e-mail: buc06@co.henrico.va.us or at 804-261-8213.

Sports Turf Managers Association of Arizona:

The Arizona Chapter's Turf in the Pines educational seminar will take place on June 14. Morning session topics include: Cool Season Weed Control; Spray Calibration; and Maintenance Calendar for High Country Athletic Fields, presented by Dr. Dave Kopec. Following lunch, a representative from Hunter Industries will cover Irrigation Troubleshooting and Technical Updates. Contact Felip Garcia at 928-774-2868.

For information on the chapter, or upcoming events, contact Chris Calcaterra at e-mail: chrisc@peoriaaz.com or tel. 623-412-4231 or Bill Murphy, at e-mail: bmurphy@ci.scottsdale.az.us or tel. 480-312-7956.

MO-KAN Sports Turf Managers Association:

The MO-Kan Chapter will hold a Summer Turf Management Field Day from 8:00 AM to 2:00 PM on June 19 at Liberty High School. This event will focus on all aspects of Bermudagrass establishment and maintenance on sand base and native soil fields and will contain a laser grading ses-

sion which will include the mathematics of dual slope laser grading, laser grader setup and the opportunity for you to operate a grader blade with laser controls.

For information on the MO-KAN STMA Chapter, or upcoming events, call Jody Gill at 913-239-4121; Gary Custis at 816-460-6215, or Mike Green at 913-208-6158.

Michigan Sports Turf Managers Association (MiSTMA):

The Michigan Chapter's annual meeting will be held on June 21, 2002, at Okemos High School in Okemos. The morning session will include: MiSTMA Update, Turfgrass Environmental Education Program, History and Future of Sports Turf, Field Safety and Maintenance Issues, and National STMA Update. Following lunch, attendees will tour Michigan State University Athletic Field Research and Okemos High School athletic fields.

MISTMA also will join the Ohio Chapter for a summer workshop with the Toledo Mudhens on June 26, 2002, at the brand new Fifth/Third Field in downtown Toledo. The MSU/MTF/MiSTMA field day will be hosted by the MTF at Michigan State University on August 13. This event will team sports turf managers and business managers with a focus on the business end of maintaining sports fields.

For information on the Chapter or pending events, contact MiSTMA Headquarters at 517-712-3407, or email Amy Fouty, University of Michigan, at fouty@umich.edu, or go to www.mistma.org to visit the chapter's new website.

Keystone Athletic Field Managers Organization (KAFMO/STMA):

KAFMO will hold a 3-Day Sports Turf Managers School at Lebanon Valley College June 24 - 26. Participant registration offers a lodging option or a commuter option. Day 1 topics include: Irrigation Systems; Drainage, Spreader Calibration; Calibration Math; Turfgrass Identification, and *continued on page 8*



Welcome New STMA Members

Beaver Dam School Dist. Beaver Dam, WI

Barnett Implement Company

Andrew T. Steers Snohomish, WA

Steve Beard

City of Lacey Lacey, WA

David A. Bergstrom

Serrano Associates, LLC El Dorado Hills, CA

Bobby Brod

Florida Christian School Miami. FL

Ervin Clark, Jr.

SPORTSTurf Services Daytona Beach, FL

Mike Cox

Stephens County B.O.E. Toccoa, GA

Dan DeLooff

City of E. Grand Rapids Grand Rapids, MI

Kristan Fawcett

Milwaukee Brewers/Student Birch Run, MI

Don Glenn

City of Portage Portage, IN

Jim Heinz

Windsor School Dist. Windsor, CO

David D. Houchens

City of Riverside Riverside, CA

Gerry Huppmann

TruGreen LandCare Ashland, VA

Mike Kelly

City of Palm Beach Gardens Palm Beach Gardens, FL

Milton Lady

White Township Indiana, PA

Ruben Lopez

City of Riverside Riverside, CA

Jami Moore

City of Deerfield Beach Deerfield Beach, FL

continued on page 14

Hempfield School Dist. Landisville, PA

Frank Barragato

Coral Springs Christian Academy Coral Springs, FL

Allen Behnke

Green Bay Schools Green Bay, WI

John Bohr

Aramark ServiceMaster Facility Svcs. Downers Grove, IL

Paul Buchholz

Beaver Dam School Dis. Beaver Dam, WI

Gerald Collincini

Manalapan Township Parks & Rec. Manalapan, NJ

Robert Cully

Forest Lake Area Schools Forest Lake, MN

Bob Depies

City of New Holstein New Holstein, WI

Eric Foerster

Simplot Aurora, IL

Albert Goss

School Dist. of Chatham Chatham, NJ

Edward J. Hock, Jr.

Walnut Creek Country Club S. Lyon, MI

Thomas Howe

Napa Valley U.S.D. Napa, CA

Hydraulic Press Brick Company

Thomas E. Bennett Indianapolis, IN

L. Koehnke

Osceola City Stadium Kissimmee, FL

Rick Laska

City of Blaine Blaine, MN

John D. Maso

Raritan Valley Comm. College North Branch, NJ

Tom Mulligan

City of Ormond Beach Ormond Beach, FL

Robert K. Allison, IV

Student/Univ. of Kentucky Lexington, KY

Bryan Baucom

Town of Davie Public Works Davie, FL

Pete Bennett

Effingham County High School Springfield, GA

Brian Bonadore

College of Lake County Grayslake, IL

Bradley W. Carmen

Colorado State University Fort Collins, CO

Colorado Golf & Turf

Don Nigh Littleton, CO

Jeff Curry

Clark-Pleasant School Corp. Whiteland, IN

Duc Dinh

Seattle Seahawks Kirkland, WA

Ian B. Fulp

City of Kodiak Kodiak, AK

Bruce Grimme

Township of Irvington Irvington, NJ

Jeff Hornbaker

Mercersburg Academy Mercersburg, PA

Clayton Hoyt

Thief River Golf Club Thief River Falls, MN

Jonathan Jenkins

Easton, MD

Joe Kovolyan

City of Cambridge Cambridge, MA

Leo G. Liebert

Seattle Mariners Seattle, WA

Ken McClure

Weymouth Township Dorothy, NJ

James Murdock

Silver Consolidated Schools Silver City, NM

Mark Bachmann

Townscapes, Inc. Philadelphia, PA

Scott Baumgartner

City of Fort Morgan Fort Morgan, CO

James Berend

West Bend School Dist. West Bend, WI

Eric Bounds

Staples, MN

Bob Christofferson

Seattle Mariners Seattle, WA

Brian Cool

Fresno Grizzlies Fresno, CA

Gail DeGennoro

Detroit Tigers Detroit, MI

Chris Doherty

Town of Davie Public Works Davie, FL

Doug Gates

Sunmark Sports/Diamond Pro Graham, WA

Hancor, Inc.

Doug Zak Findlay, OH

Ron Hostick

San Diego State University San Diego, CA

Michael R. Hugg

MetroNational Houston, TX

Greg Johnson

BigFoot Turf & Athletic Farm La Salle, CO

Larry Kuester

University of Wisconsin/Stout Menomonie, WI

Andy Lopez

New Mexico State University Las Cruces, NM

Ted Meyers

City of Twentynine Palms Twentynine Palms, CA

Bill Musial

City of Twentynine Palms Twentynine Palms, CA

DOC'S DUGOUT - An Inning From Our Past

By Dr. Kent Kurtz - STMA Historian

Dr. James R. Watson - a man of Vision, Integrity & Knowledge

The Early Years

Jim Watson began his college career in 1941 at Texas A&M University in agricultural engineering and planned to make his life's work teaching on the college level. At A&M in his first semester he took an agronomy class and did so well that the professor offered him a job in the department. Jim accepted the position because he needed the job to continue with his studies. When the professor discovered Jim was not an agronomy student, Jim decided to change his major from agricultural engineering to agronomy to keep the job he desperately needed. Jim worked in the agronomy department until 1943 when he was called into the Air Force during World War II. He served with distinction in the 8th Air Force and returned to Texas A&M to continue his studies. He taught soils and crops laboratory sections and occasionally was asked to substitute as a lecturer in other agronomy classes. His primary emphasis was pasture crops since the study of turfgrass management was not emphasized in those days.

In 1947, Dr. Fred Grau, who was the director of the United States Golf Association Green Section and O.J. Noer. the agronomist for the Milwaukee Sewage Commission, were hosting a turfgrass conference at Texas A&M University when they met Jim Watson. Jim was given the job of running a slide projector at the conference and impressed both Grau and Noer. During the conference Dr. Grau asked young Watson if he would send a telegram for him. Jim took the sheet of paper to the telegraph office and opened the message before the telegraph agent sent it. It was addressed to Dr. Burton Musser at Penn State University and read, "Jim Watson accepting fellowship, will arrive for spring semester". And that's how Jim Watson began his career as a turfgrass agronomist. On that day in 1947 Jim Watson established contact with three of the legends in the turfgrass industry and also learned that turfgrass was not growing pastures.

Jim left Texas to accept the fellowship with Dr. Musser and figured he could grow pastures for the \$100 a month stipend offered by Penn State. After all he needed the additional income because he now had a family to support. As far as anyone knows, Jim was the first student in the United States to receive support on the doctorate level to study turfgrass management. Jim received his doctorate in 1950 from Penn State and upon graduation accepted an appointment at Texas A&M University as an assistant professor in the department of agronomy. He enjoyed teaching.

The Toro Years

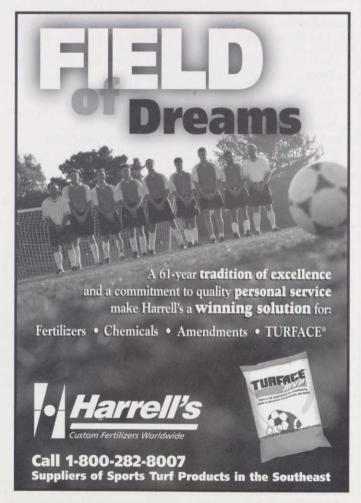
Jim has always mentioned to colleagues and friends that he has always been in the right place at the right time.



Jim had used Toro equipment while a graduate student at Penn State and was familiar with the company. In those days Toro distributors handled not only Toro equipment but also Milorganite for Milwaukee Sewage Commission. Jim was invited to Houston to meet the Toro people and, when they offered to double his salary as well as

create a unique position for him, he accepted. Jim went to work for Toro in 1952. He originally planned to work for Toro for five to 10 years and then return to teaching. Jim never left Toro and retired as Vice President of consumer relations and director of agronomy. But even today he continues teaching whenever he speaks at turf conferences or offers advice as a consultant to turfgrassprofessionals.

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You Could Be There!

In August, football fans flock to Canton, Ohio, home of the Pro Football Hall of Fame, to share in the festivities that surround the Hall of Fame Enshrinement Celebration. A key component is the annual Hall of Fame Game, ABC's Monday Night Football "official" kick-off to the new season.

This year, you - and one of your friends - could be there - at the game - live, and in person! You - and one of your friends - could mingle with the inductees at the Hall of Fame Tailgate Party, and tour the Hall of Fame ... and much, much more!

Here is the impressive Class of 2002 that will be inducted: Coach George Allen, Tight end Dave Casper,



Defensive end Dan Hampton, Quarterback Jim Kelly and Wide receiver John Stallworth.

This NFL Hall of Fame Game and event package is included in the drawing offer the SAFE Foundation is running as a fundraiser for SAFE (Safer Athletic Field Environments).

You have the opportunity to win this great Hall of Fame package! The cost of one chance in the drawing is a \$5 donation to SAFE. Or, to get a volume dis-

count, purchase five chances for \$20.

Tickets are available through SAFE and STMA Headquarters, through your local chapter, or downloaded from or filled out completely on the STMA website: www.sportsturfmanager.com.

The drawing will be held on July 4th, and the winner will be notified on July 5th. Please mail your donation (one entry per \$5, or five entries per \$20) to the address below. Be sure to enclose a note with your daytime telephone number, and make checks payable to "SAFE Foundation."

SAFE Foundation

Attn: Hall of Fame game 1027 S 3rd Street Council Bluffs, IA 51503

e-mail: SAFE@st.omhcoxmail.com



Proceeds from this drawing will be applied to sports specific research through the SAFE Foundation, so - through your participation - the entire industry wins!



The package for two (one winner, and his or her guest) consists of the following:

- Admission for two to the Pro Football Hall of Fame (HOF), August 4th
 - · Admission for two to the NFL Experience, August 4th
- Two slots in the 2002 HOF Golf Scramble at Shady Hollow Country Club, August 5th
 - · Admission for two to the HOF Tailgate Party, August 5th
- Two Tickets to the 2002 NFL HOF Game, Houston Texans vs. New York Giants, August 5th
 - Special Parking Credential
 - Hotel room for the nights of August 4th and 5th
 - Travel for two to and from Canton, OH, for these events
 - Please Note: Winner is responsible for all other expenses not outlined above

Chapter Events

continued from page 4

Efficient Water Use. Day 2 topics include: Laser Layout, Field Lining and Logo Painting, Weed Identification and Management, Fertilization, and Football Field Renovation. Day 3 includes: the topics of Professionalism, Equipment Demonstrations, and Vendor Displays.

For information on the KAFMO/STMA Chapter or upcoming events, contact Dan Douglas, Reading Phillies Baseball Club, at 610-375-8469, ext. 212; or e-mail to: kafmo@aol.com.

Sports Field Managers Association of New Jersey:

The SFMANJ Chapter, in cooperation with Rutgers University and Hunterdon Central Regional High School, will present "Chronicle of a Football Field" on June 25 at 6:30 PM at Hunterdon Regional High School in Flemington. Barry Imboden, Supervisor of Grounds/Maintenance for the high school will detail the chain of events leading to the current football field renovation. This event will include the educational presentation, a tour of the field, and a question and answer session.

The Chapter also is planning an August 8 Workshop and Demonstration Session.

For information on the New Jersey Chapter, or upcoming events, call Fred Castenschiold at 908-722-9830; or call Eleanora Murfitt, at 908-236-9118; e-mail to SFMANJCHAPTER@netscape.net.

Tennessee Valley Sports Turf Managers Association (TVSTMA):

TVSTMA will hold a joint meeting with the Tennessee Turfgrass Association at the University of Tennessee in Knoxville on June 25th. The Chapter also is planning a July 18th event at Bellevue

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For information on the TVSTMA Chapter, or upcoming events, call Bill Marbet, Southern Athletic Fields, Inc., at 931-380-0023 or 800-837-8062.

Iowa Sports Turf Managers Association:

The Iowa Chapter is planning a New Construction and Renovation Workshop for June 25 at Grinnell College.

The Iowa Turfgrass, Nursery & Landscape Field Day will be held July 18 at the ISU Horticulture Research Station north of Ames. Registration begins at 7:30 AM. Pre-registration is strongly recommended. Morning tours begin at 9:00 AM. The Sports Turf Tour includes: Sand Field Fertility, Pre-emergence Weed Control, Seeded Bermuda Traffic Study, Variable Traffic Intensity Study, Summer Patch Control, Turf Painting Trial, Species Traffic Study, Kentucky Bluegrass and Fine Fescue Variety Trial, and Equipment and Product Demonstrations. Lunch will be followed by a Mower Safety Demonstration and the choice of three options: Product Demonstrations; Pesticide Applicator Training; and Turf, Weed, Disease and Insect ID.

For information on the Iowa Chapter, or upcoming activities, contact Lori Westrum of The Turf Office at 515-232-8222, or fax 515-232-8228, or e-mail: Lori@iowaturfgrass.org.

Ohio Sports Turf Managers Association (OSTMA):

The OSTMA chapter will host a summer workshop with the Toledo Mudhens on June 26, 2002, at the brand new Fifth/Third Field in downtown Toledo. Educational sessions will be conducted by Jeff Limburg, Head Sports Field Manager, and the OSTMA. The MISTMA Chapter also has been invited to participate. Tickets will be available so attendees can catch the ballgame following the workshop.

OSTMA will take part in a Joint Golf Outing with the Ohio Lawn Care Association on July 25 at Apple Valley Golf Course in Mt. Vernon.

For information on the OSTMA Chapter, or upcoming events, call OSTMA Headquarters at 740-452-4541 or Boyd Montgomery at 419-885-1982; or visit the chapter's website at www.glstma.org.

Colorado Sports Turf Managers Association:

The Colorado Chapter is planning a Summer Workshop in the City of Aurora on July 9. Soccer, football, baseball, and softball field maintenance *continued on page 12*

Headquarters Report

by Steve Trusty, Executive Director

Tonna Lynn. Donna joined Trusty & Associates in late February, just before the move. She comes to us with a wealth of experience in banking, financial analysis, organization and customer relations. Among other duties she has taken over the responsibility of coordinating all of the details of the CSFM program. All current CSFMs have been sent information on where they stand on CEUs and ISPs. Donna is learning the process of handling CSFM Applications and points verification.

Speaking of Certification, there are now 28 CSFMs with 8 more individuals who have applied and are in various stages of the process to become certified. If you are interested in learning more about the Certified Sports Field Manager program, contact Donna at STMA Headquarters or look for details on the STMA website, www.sportsturfmanager.com.

After an extended medical leave, Terri Fangman is back on board in a support position. She is presently on a part-time basis until she is completely released for full-time duties.

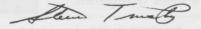
Work on the final stages of preparation of the 2002 Membership Roster and Resource Manual is just about completed. We are striving to have the completed piece in your hands by the end of June or first part of July. A heartfelt Thank You to all of you that promptly replied to the requests for verification of your data for the Roster. Prompt replies save a tremendous amount of staff time and help us provide a more accurate Roster for the use of everyone.

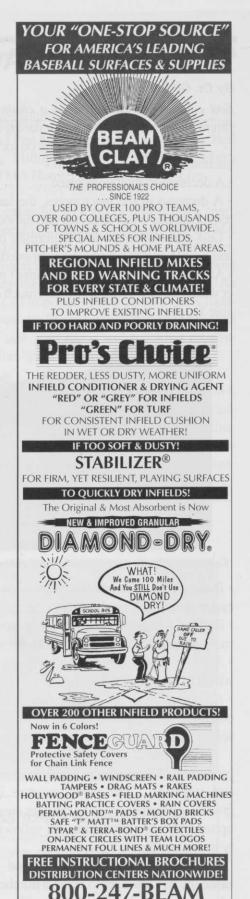
Be sure to let headquarters know any time any of your information changes. It is important that we hear about a new address or phone, fax or e-mail address change. We also like to publish information on promotions or job changes in this newsletter so other members see what is happening in your career. Each time we make a mailing of any kind to members we receive a number of the pieces back as undeliverable mail. Not only does that delay the member's receipt of the mail, it is costly in time and funds. It takes staff time to track down the member to see where the material should now be mailed and STMA has to pay the postage back to the office and out again.

STMA continues to grow. Note the names of the 92 new members in this issue of Sports Turf Manager. Some people are doing an excellent job of taking advantage of the STMA Referral Bucks. How about you? When you talk to someone about STMA and why you belong and why they should also join, be sure that you give them a Membership Application with your name on the "Referred by" line. When that individual sends in that application with your name on it, we'll send you a certificate good for \$10 on any STMA item including your own future dues, Conference Registration or merchandise.

Speaking of new members, the Mentoring Program is now up and running. Thanks to Mentoring Program Subcommittee Chair, Steve Wightman, Membership Committee Chair, Mike Andresen, CSFM, and a very active committee, STMA now has a method and people in place to assure that all first year member's initial STMA experience is a very positive one. This is another example of the professionalism of the membership, the individual dedication of our members, and the great networking within this industry. Please contact Headquarters if you would like more information on Mentoring.

Until next issue, may your fields play even better than the best athletes.





908-637-4191 / FAX 908-637-8421

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THE CHAIN REACTION OF SOIL COMPACTION

By Dr. Gil Landry, Jr.

Soil compaction can produce a chain reaction of problems forcing counter measures with a variety of management tactics.

Foot and vehicular traffic on turfgrass causes soil compaction, which in turn, leads to -

- · A decrease in total pore space
- A decrease in the macropores, the large pores, essential for root channels, water drainage and air exchange
- Less pore continuity and uniformity of pores throughout the soil profile, making pores more isolatede
- An increase in the micropores, small pores, resulting in higher water retention. Unfortunately, much of this water is unavailable for plant uptake.



Comparison of traffic control in background and excess field use in foreground.

- Decreased aeration exhibited by a lower level of the oxygen essential for healthy roots.
- Reduced infiltration and percolation, causing irrigation to become more complicated as drainage through the soil decreases.
- A dense soil with higher soil strength, especially as it dries, which in turn hinders rooting.
- An alteration in soil temperatures. In the summer, thin turf common on compacted areas allows solar radiation to heat the soil more than on adjacent non-compacted turf.

Because compaction drastically alters the physical properties of the soil, the plant soon perceives the difference and responds. The plant response includes: reduced leaf growth, quicker reaction to drought stress, reduced root development, slower growth rate, leaf yellowing, and reduced density in turf cover.

The combination of soil and turfgrass changes can cause the turf manager to make a number of changes, such as:

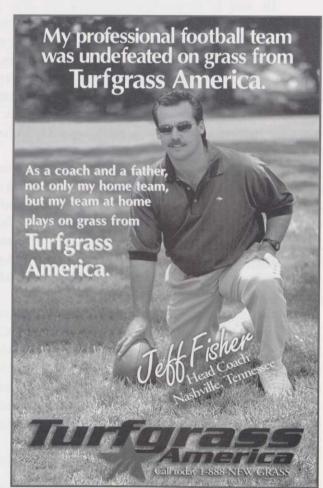
1. Increased pesticide use. The more open turf invites invasion by a number of weeds, especially those able to tolerate compacted soil - poa annua, goosegrass and knotweed. Also, a less healthy turf coupled with a moist environment

enhances the probability of disease, particularly brown patch and Pythium blight.

2. Increased fertilizer use. Compacted turf will not take up nutrients efficiently because of a less extensive root system and less viable roots. In general, compacted turf takes up to 10 to 30 percent less nitrogen when compared to a non-compacted site. However, increasing the nitrogen rate won't help; it will further increase succulence, reduce carbohydrate reserves and dramatically reduce rooting.

The take-home lesson is that adding nitrogen beyond normal rates will not correct soil compaction effects on turf, even though symptoms may be similar to those seen on nitrogen-deficient turf such as slow growth rate, open turf and, sometimes, yellow leaves. The problem is adverse soil physical conditions, not a nutritional problem.

3. Increased environmental and wear stresses. Any other factors such as close mowing, shade, or excessive nitrogen, that reduce carbohydrate levels and increase succulence will greatly enhance the potential for environmental stress / wear damage. If compaction occurs in *continued on page 15*



Website Update

by Rich King, STMA Special Projects Director

Thy surf the STMA website (www.sportsturfmanager.com) regularly? We fertilize and seed the website often to ensure a healthy stand. Look for the "new!" symbol on the website to find these new! features.

PowerLinks, STMA's non-stop, "virtual trade show" is now open!! PowerLinks categorizes vital sports turf products and services and provides effective, easy-to-use links to STMA Commercial members' websites. Now, a large part of your shopping can be done online at your leisure and you can still contact vendors with questions or when you are ready to make purchases. That's the power of the internet - open all the time and personal attention just a phone call away.

STMA stands ready to assist members in many ways. If you should have any questions about PowerLinks, please contact Rich King or Steve Trusty at 800-323-3875 or by email at STMAHQ@st.omhcoxmail.com.

STMA Store

Did you know that hats, shirts and books are available on the website at big discounts? Think of the long hours you and your crew have put in this Spring. Shirts and hats are a great way to say "thanks." For timely, knowledgeable advice - check out the books on the website. We recently added

Managing Bermudagrass Turf: Selection, Construction, Cultural Practices and Pest Management Strategies, by L. Bert McCarty and Grady Miller. Access the STMA Member's Store through the STMA Home Page - STMA Top Five.

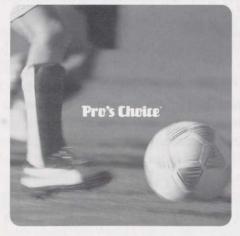
Speakers Bureau

Finding the right speaker for a chapter event is not a snap. With the online Speakers Bureau List (see the STMA Home Page - STMA Top Five), it just got a lot easier. Speakers, topics, contact information and logistics about arranging their engagement can be found out in a click. As always, education is an important brick in the STMA foundation. With the Speakers Bureau, you can find the perfect speaker or quickly add your name and speaking requirements with the online Speaker Agreement form.

Join Online

Stamps and addressed envelopes are not required. STMA now has made membership renewal and initiation available online. Chapter dues also can be paid online. Activate your career sooner and gain Member's Only website access within 24 hours!! Don't forget to refer somebody today and cash in on TEN STMA BUCKS!!

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Chapter Events

continued from page 8 issues will be covered.

The CSTMA 2002 Lawnmower Man Open golf tournament will be held at Westwoods Golf Course in Arvada on July 23.

For information on the Colorado Chapter, or upcoming activities, visit the Chapter's website--www.CSTMA.org--or call the CSTMA Chapter Hotline at 303-346-8954.

Minnesota Chapter STMA:

The Minnesota Chapter challenges the Iowa Chapter to the annual "Chapter Clash" on July 12 and 13. The MSTMA Seminar on Wheels will be held on August 9.

As its Community Service Project, MSTMA will be selecting a local baseball/softball field to renovate based on written entries received by the MSTMA Chapter Office. For more information contact Mike McDonald, CSFM, at 612-625-6097.

For information on the Minnesota Chapter, or upcoming events, contact Jeff Hintz, Bethel College & Seminary, St. Paul, Minnesota at 651-638-6075 or e-mail: j-hintz@bethel.edu.

Florida Chapter #1:

The Florida Chapter will hold a Workshop at the Dolphins Training Camp in Davie on July 16. The educational focus is on fertilization of athletic fields in Florida.

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For information on the Florida Chapter, or pending activities, call John Mascaro at 954-341-3115.

North Texas Sports Turf Managers Association:

The NTSTMA Chapter is planning a July Sports Field Educational Program with the main topics aerification, topdressing, soil amendments and overseeding. The confirmed date and location will be announced soon.

For information on the North Texas Chapter, or pending activities, contact Scott Piecha at 817-831-4505 or sspiecha@aol.com or Rene Asprion at 972-647-3393, or visit the website at www.ntstma.org.

Midwest Chapter STMA:

The Midwest Chapter will hold its Tour on Wheels in late August.

For information on the Midwest Chapter, or pending activities, visit the Chapter's website-http:mcstma.org/--or call Libby Baker at 847-263-7603 or email Bake60ft6in@aol.com.

Southern California Chapter:

For information on the Southern California Chapter, or pending activities, call Ron Kirkpatrick at 858-453-1755.

NorCal Chapter of the Sports Turf Managers Association:

For information on the Nor-Cal Chapter, or pending events, call Janet Gift at 530-758-4200.

The Greater LA Basin Chapter of the Sports Turf **Managers Association:**

For information on the Chapter or pending events, call Steve Dugas, California State University - Fullerton, at 714-278 - 3929 or email sdugas@fullerton.edu.

Gateway Chapter: Sports Turf Managers Association:

For information on the Gateway Chapter, or upcoming events, call Mike Krone, Missouri Baptist College, 314-392-2328 or email krone@mobap.edu.

Indiana Chapter:

For information on the Indiana Chapter, or pending activities, call Terry Updike, B & B Fertilizer, at 219-356-8424.

Nebraska Sports Turf Managers Association:

For information on the Nebraska Chapter, or upcoming events, call Gregg Bostelman, City of Grand Island, at 308-385-5426.

Mid-Atlantic Athletic Field Managers Organization (MAFMO Chapter STMA):

For information on the MAFMO Chapter, or pending activities, call the Hotline at 410-290-5652.

continued on page 14

Call for Nominations

Your Nominations Committee is seeking individuals willing to serve STMA as Board members representing the following groups of our membership:

• Sports Turf Managers of facilities used by professional teams;

• Sports Turf Managers of the facilities of schools other than colleges and universities (elementary, middle schools, high schools or junior colleges); and

• STMA Commercial members.

If you feel a strong commitment to STMA and would like to get involved, or if you know of someone you'd like to recommend, please contact STMA Headquarters.

STMA has a WORKING Board. The Board meets four times a year: once in conjunction with the Annual Conference, then once in March, July and November. The 1-1/2-day meetings usually are held on Friday afternoons and all day Saturday.

In addition, Board Members are asked to chair, or to serve on, one or more committees, provide input to other committees, review and vote on key issues affecting the direction of the STMA, and be responsive to the needs of the membership.

All nominations, questions or requests for further information may be directed to STMA Headquarters, 1027 South 3rd Street, Council Bluffs, IA, 51503, phone: 800/323-3975; fax: 800/366-0391 or email: STMAHQ@st.omhcoxmail.com.

All nominations input must be received by July 15th.

Doc's Dugout

continued from page 6

Jim has served the turfgrass industry exceptionally well as a spokesperson and as a distinguished professor.

In all the years of public speaking when he represented the Toro Company Jim exhibited his professionalism by never preaching sales or Toro products. He has always been an educator, not a salesman.

Contributions to Sports Turf

Jim has been actively involved with sports turf managers for most of his life. He has been a strong supporter of STMA and its goals and objectives. He served as Commercial Vice President for STMA in the late 80's and early 90's. He was instrumental in the formation of the SAFE Foundation. For many years he served as advisor for the NFL and resource person to one of STMA's founders, George Toma, for Super Bowls. When the United States hosted the World Cup Soccer matches in the 1990s, he was the agronomic coordinator along with STMA member, Steve Cockerham. In 1991, Jim was presented STMA's highest award, the Harry Gill Award, and is among a select group of people who are honorary life members of STMA.

Today, Jim is living in Littleton, Colorado, with his family and enjoying retirement. But when he is asked to speak or look at some problem blades of grass he is always accommodating. I look forward every year at STMA's annual meeting and conference to sharing experience, knowledge and fellowship with Dr. Jim.

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Welcome New STMA Members

continued from page 5

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Rocco Petrocco

Agave Environ. Contracting, Inc. Phoenix, AZ

Ron Ruggiero

Southern Connecticut State Univ. Cheshire, CT

Sullivan Corporation

Tim Chester Bloomfield Hills, MI

Kevin Teppen, ALSA

ATS & R, Inc.

Minneapolis, MN

Andy Weadge

Milwaukee Brewers/Student Janesville, WI John Packer

Carolina Mudcats Prof. Baseball Zebulon, NC

Mark Poertner

Germantown School Dist. Germantown, WI

John M. Schedler

American Civil Constructors, Inc. Littleton, CO

Scott Sutton

Georgetown College Georgetown, KY

Abraham "Sunny" Tinavero

New Mexico State University Las Cruces, NM

Thomas White

City of Bozeman Bozeman, MT Hector Pagan-Lopez

City of Deerfield Beach Deerfield Beach, FL

Scott Roberts

TruGreen/ChemLawn
Park Ridge, IL

Bill Sherwood

City of Twentynine Palms Twentynine Palms, CA

Tom Tabe

Sierra Nevada Sr. Babe Ruth Reno, NV

Tru Mark Athletic Field Marker

Mark D. Hall Norfolk, NE

Tim Wilson Seattle Mariners Seattle, WA **Donna Parsons**

City of Twentynine Palms Twentynine Palms, CA

Bobby Robinson

City of Bartlesville Bartlesville, OK

Terry Stenson

Midstate Gardens Shell Beach, CA

David Taplin

Strafford Rec. Board
S. Strafford, VT

Jack Warner

Township of Freehold Freehold, NJ

Cory Wisinski

Cory Wisinski Excavating Bernhard's Bay, NY

Chapter Events

continued from page 12

South Texas Sports Turf Managers Association:

For information on the South Texas Chapter, or upcoming events, call Craig Potts, Texas A & M University, at 979-458-8841, or e-mail: CPotts@athletics.tamu.edu.

Wisconsin Sports Turf Managers Association:

For more information on the Wisconsin Chapter, or other pending events, call Richard Miller at 608-756-1150.

Chapters On The Grow

Georgia: A new Chapter is forming in Georgia. GA-STMA will have a booth and members will be teaching classes at the Georgia Recreation and Parks Association (GRPA)-Facilities & Grounds Section Field Day on June 26th at Lost Mountain Park.

For information on the forming chapter, or for Field Day Event and Registration information, contact Lori Turek at 770-509-3663 or gastma@earthlink.net.

Pacific Northwest: For information on the chapter forming in the Washington/Oregon area, contact in Washington, Jay Warnick at 425-893-5130 or JayW@Seahawks.com or in Oregon, Mike Wagner at 541-346-5436 or MWagner@Oregon.UOregon.edu.

Kentucky: For information on the chapter forming in Kentucky, contact Tom Nielsen at TNielsen@batsbaseball.com or Aaron Boggs at AVBoggs@netscape.net.

Las Vegas: For information on the chapter developing in Las Vegas, contact Rod Smith, Grounds Manager/Cashman Center at e-mail: rms@lvcva.com or at 702-386-7140.

New York: For information on the chapter forming in Central New York, contact Kevin Meredith, National Soccer Hall of Fame, at e-mail: Kevin@wpe.com or at 607-432-2953.



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THE CHAIN REACTION OF SOIL COMPACTION

continued from page 10

combination with any of these other factors, expect even greater injury.

- 4. Increased difficulty in irrigation scheduling. The soils most susceptible to compaction are those with appreciable silt and clay. These already have low infiltration rates, which compaction further reduces. Thus it becomes more difficult to apply water slowly for a long period to recharge the soil. Unfortunately, compacted sites are often irrigated with light, frequent applications, which makes an already difficult situation worse.
- **5.** Additional maintenance. In general, no single management practice will be a cure-all, but several will be necessary. The management choices are:

• Select compaction-tolerant species and cultivars when establishing or renovating. Examples are the use of a higher percentage of perennial ryegrass in mixes of Kentucky bluegrass or tall fescue, or the use of improved tall fescues.

- Control traffic as much as possible: rotate team drill areas, use two or three practice areas, restrict band practice on the primary football field, etc.
- Develop a good cultivation plan. Cultivation is the most important management technique to deal with soil compaction. Develop a program with proper equipment selection to meet your specific problems and budget, proper timing of cultivation, correct soil moisture conditions at the time of cultivation, and application of supplemental nitrogen to aid in recovery of any cultivation injury.
- Adjust your other cultural programs. Until the compaction can be alleviated, weed and disease problems will need to be chemically controlled. As cultivation improves the soil's physical condition, adjust irrigation practices to a deeper, less frequent regime. Use adequate nitrogen, but avoid excessive rates.
- Partially modify the soil by adding sand with core cultivation, or completely modify the soil, which may be the most cost-effective approach on high-use recreational sites. Chemical amendments gypsum, wetting agents, various chemicals to improve/stabilize structure have little beneficial effect because even the best aggregated soils develop poor structure under compaction.
- If possible, add more fields. Or, if necessary, consider adding an artificial turf alternative field to reduce stress and excessive use on existing facilities.



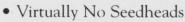
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