

San Antonio 2003 - Big as the Heart of Texas - And Then Some

Once again, if you missed the 14th Annual STMA Conference & Exhibition in San Antonio, you missed a fantastic time! Although the weather was a bit cooler than normal - Wednesday's Major League Baseball Seminar, Seminar on Wheels Tour and the SAFE/Textron Golf Tournament were all a huge hit! The Sports Turf "Jam" Sessions were very well attended - AND - we had a **record** number of first time attendees at the Get Together Reception and a super turnout at the Opening Reception!

The Educational Sessions were jam packed with excellent topics and speakers - ranging from Basic Aerification, with Dr. Gil Landry, University of Georgia; to Microbiology of Sports Turf Soils, with Dr. David Zuberer, Texas A & M University. We had Mike Veeck on Wednesday, giving his insight on "Thinking Beyond the Ballpark," and Dr. MiMi Paris on Saturday with a "Fourth Degree Black Belt - For Life!" With the MLB/NFL panel of experts, 10 morning and 10 afternoon



Workshop choices AND the Round-Table Discussions - there truly was something for everyone!

The Trade Show was outstanding! We had a record number of exhibitors and

exhibitor personnel showing and discussing their wide array of products and services, all designed to make the sports turf manager's job easier, faster, and more efficient.

Thank you to all who contributed and/or participated in the Raffle and Live and Silent Auctions. Because of your creativity, generosity and support, we were able to raise over \$10,000 for the SAFE Foundation.

The Awards and Scholarship presentations took place at the Awards Banquet on Friday night. Thanks to Steve LeGros and Jeff Fowler for the fabulous "Like a Rock," opening tribute to all sports turf managers, and to Tim Moore, CSFM for his outstanding presentation. For those of you who were not there, Field of the Year recipients are listed in the last issue of

the newsletter. The Founders and other Awards and the Scholarship recipients are listed on page 9 of this issue.

Your 2003 Board of Directors was



presented at the lunch and Annual Meeting on Saturday. A complete listing of the Board is on page 2. You can read about incoming members, Eric Adkins, CSFM, and Abby McNeal, CSFM, beginning on page 14. We'll spotlight incoming Board Member, George Trivett, CSFM in the next newsletter.

Congratulations to our two newest CSFM's who tested at the Conference, Chad Price, CSFM, Carolina Green Corp., and Jeff Salmond, CSFM, Northwestern University. Way to go guys!

Surveys have been sent to all Conference attendees. Make sure you respond to them promptly. For those of you who were not able to attend this year, your input also is welcome. Our goal is to continue to provide you with the best possible Conference experience you can get!

Start the ball rolling now to join us next year in San Diego for the 15th Annual Conference & Exhibition. Conference dates are January 21-25, 2004. The site is the beautiful Town and Country Resort & Convention Center. Contact Headquarters for details.

See you there!

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SPORTS TURF MANAGER

Official Newsletter of the Sports Turf Managers Association

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President's Message

Thanks for the Honor – and the Responsibility

by Bob Campbell, CSFM

This is my first column as President of the Sports Turf Managers Association. I'm humbled by the honor of serving as President of an association filled with individuals so dedicated to the profession. I've just returned from our 14th Annual Conference in San Antonio where I had the opportunity to meet many of you for the first time and to reconnect with others I've grown to know over the years. Once again, I'm personally impressed with the willingness of STMA members to share their knowledge and expertise and to openly discuss what they've learned through their failures as well as their successes. The networking that takes part within this group of professionals is the greatest asset of our association and I thank you for giving me the opportunity to be a part of it.

We again had a great Conference and I extend my thanks to all those who contributed to it. I've heard excellent feedback on the speakers in all the educational sessions and workshops and on the roundtable discussions. I've also heard great reports about the site hosts of the Seminar on Wheels Tours and that the Golf Tournament was challenging and great fun. The members of the North and South Texas Chapters were willing and able hosts who provided that special touch of Texas hospitality along with all their assistance.

The presenters for the Major League Baseball Seminar did an excellent job. Thank you to: Heather Nabozny and Gail DeGennaro of the Detroit Tigers; Leo Liebert and Tim Wilson of the Seattle Mariners; Eric Hansen and Larry Divito of the Los Angeles Dodgers; Charles Brunetti of the Boston Red Sox; and Luke Yoder of the Pittsburgh Pirates. Thanks also go to those who helped with the development of the Seminar, but were unable to take part due to job-related commitments. Special thanks go to Tom Burns of the Texas Rangers who handled the interim arrangements and to Bob Christofferson of the Seattle Mariners who stepped up to the plate to coordinate the event both behind the scenes and onsite. Special thanks also go to site host, Tom McAfee of Nelson W. Wolff Municipal Stadium.

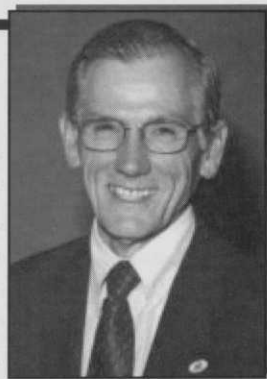
Serving as President of STMA is a responsibility that I take very seriously. I strongly feel it's important not only to give back

to new members and young people starting off in this industry, but also to support the positive image of the sports turf manager as a professional in an important and worthwhile profession.

This past year was filled with even more challenges than usual for sports turf managers. Many of our members were the focus of negative media comments, often without any opportunity to discuss the conditions that led to a less than perfect field. Yet, as I watched the TV coverage on Super Bowl Sunday, it was apparent how far we've come as an industry in providing safe and playable fields. As we as sports turf managers have worked to improve field conditions, expectations also have risen. And that's not a totally bad thing. High expectations, combined with information on what it takes to produce and maintain high quality athletic fields, can give the opportunities to provide the best possible fields for all levels of play.

Those opportunities come with challenges. Having been privileged to manage high school athletic fields and minor league baseball fields prior to accepting the position with the University of Tennessee, I understand the unique challenges and the rewards involved in this profession. I know from my own experience how the information gained from my peers helped me handle my challenges. So I'm confident that, working together, we can meet the challenges of the future.

I believe our potential for growth as an association is unlimited. I also understand that, growing as fast as we are, there are bound to be some turbulent times. We need to work through these, learn from them, and make wise choices to move forward for the good of the membership. I believe communication is very important. I want anyone to feel free to contact me or the other STMA board members at any time. I promise we will listen to you and take your opinions into consideration on any decisions made.



Ten Sports Turf Management Myths

by Dr. Tom Samples & Dr. John Sorochan, Department of Plant Sciences & Landscape Systems, University of Tennessee

Sports turfs always seem to be on display. Whatever the level of competition or maintenance budget, sports turf managers constantly look for new and better ways to provide safe and durable turfs. Wear injury and soil compaction often weaken the best turfgrass species and varieties. In the turfgrass "transition zone," bermudagrass growth is slow during cool spring and fall months. Bermudagrass plants are dormant in the winter. Kentucky bluegrass, perennial ryegrass and tall fescue suffer high temperature stress and are prone to disease in the summer. Stand density and resiliency of sports turfs often improve when cultural (e.g. frequent mowing at an appropriate cutting height, timely fertilization, proper watering, core aeration and sand topdressing) and pest management practices are performed on an as-needed basis.

Through the years, several sports turf management myths have emerged.

Myth 1) A reel mower is the most important sports turf maintenance tool. Although mower selection is very important, and a properly adjusted and sharpened reel mower most often provides the highest possible mowing quality, the reel mower may be no more important than a rotary-motion core aerifier, fertilizer spreader, sprayer or topdresser. If sports turf is presently being maintained with a relatively new and effective rotary mower, yet a core aerifier, fertilizer spreader, sprayer or topdresser does not exist in the equipment inventory, these implements also deserve consideration and may be a very high priority.

Myth 2) A persistent, high quality sports turf can be maintained without an irrigation system. As much as 60 gallons of water are required to produce one pound of plant dry matter. More than 75 percent of the fresh weight of turfgrasses may be water. Irrigation has been practiced as early as 5000 B.C. Sports turf is watered to supplement precipitation, insuring that water is available for photosynthesis and plant growth. Water also can be applied to wash fertilizer from turfgrass leaves, to "activate" pre-emergence herbicides and to promote the germination of seeds of inter-seeded (or over-seeded) turfgrasses. Water use, the total amount of water required for turfgrass growth plus the amounts lost by transpiration through turfgrasses and by evaporation from plant and soil surfaces, is often 1/10 to 3/10 inch per day. Turfgrasses maintained under a water deficit are usually short, have fewer leaves and tillers, smaller leaves and less protein compared to those grown in moist soils. The amount and distribution of rainfall does not consistently meet the needs of a heavily trafficked, actively growing sports turf.

Myth 3) Nitrogen, phosphorus and potassium application will guarantee a strong, wear-resistant sports turf. Presently, sixteen nutrients are considered essential for turfgrass growth and survival. Atmospheric carbon dioxide and water supply turfgrasses with carbon, hydrogen and oxygen necessary for photo-

synthesis. In addition, turfgrasses obtain thirteen mineral nutrients from soil. The amounts of these nutrients in turfgrass plants varies considerably. Nitrogen, phosphorus and potassium are major (largest quantity) nutrients; calcium, magnesium and zinc, trace (smallest quantity) nutrients. Although nitrogen, phosphorus and potassium are the nutrients most often contained in fertilizers, and soils seldom furnish adequate supplies, turfgrasses grown in soils low in a specific secondary or trace nutrient usually respond favorably to an application of that nutrient. Some essential mineral nutrients (e.g. phosphorus, potassium, sulfur, calcium, magnesium, and molybdenum) become less available for uptake by the turfgrasses, and the environment for turfgrass roots becomes unfavorable, as acid levels increase in the soil. As a result, sports turfs growing in acid soils often become weak, thin and weedy. Efficient and effective fertilization and liming programs are most often based on soil test results.

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Chapter Events



Colorado Sports Turf Managers Association:

The Colorado Chapter will hold a Spring Water Audit and Drought Seminar from 11:30 am to 4:00 pm on Tuesday, February 18, at the Denver Broncos Practice Facility in Englewood. Brent Mecham, from the Northern Colorado Water Conservancy District, will present the basics of a water audit. Rocky Wiley, from the Denver Water Department, will explain the hows and whys of the drought and what to expect for the upcoming year. Attendees will have the opportunity to ask questions and express water concerns. An optional tour of the Broncos Practice Facility will follow these sessions.

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.

Midwest Chapter STMA:

The Midwest Chapter will hold an expanded two-day Irrigation Workshop on February 20 and 21 at Chevy Chase Golf Club in Wheeling, Illinois. The program will include: Design Specifications; Components, Calculations and Capacities; Soils and Turf Management; and Troubleshooting Irrigation Systems. Instructors are Professor Henry Wilkinson of the University of Illinois, and Lynda Wightman, National Specifications Manager for Hunter Industries.

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.

Northern California Chapter of the Sports Turf Managers Association:

The Northern California Chapter will be co-sponsoring a Sports Turf Session as a portion of the program of the NCTLC EXPO. The EXPO will be held February 20 and 21 at the Santa Clara Convention Center.

The Sports Turf Session runs from 1:30 to 3:30 PM on February 20. The program includes: "Overview of the Association and Introduction," by Bob Milano, University of California; "Synthetic Sports Surfacing: Options, Alternatives and Care," by Greg Weisbrich and John Burke, Southwest Recreational Industries; "Baseball and Softball Facility Care: Details, Details, Details," by Mark Lucas and Nick Cole, University of California; and "Equipment Evaluation and Selection for Sports Facilities," by Dale Getz, CSFM, The Toro Company.

Steve Abella of Delta Bluegrass Company will serve as Chapter President for 2003.

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

Keystone Athletic Field Managers Organization (KAFMO/STMA):

The Seventh Annual KAFMO/STMA Athletic Field Conference will be held at the Holiday Inn in Grantsville, PA, on February 21, 2003. Take the opportunity to view exhibits and visit with the exhibitors. Featured on the program are presentations by Mike Andresen, CSFM, of Iowa State University Athletics and Dr. Peter Landschoot of Penn State University, and panel discussions. Also included are award presentations, the chance to win raffle prizes and lots of great networking opportunities.

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

Sports Field Managers Association of New Jersey:

The Chapter announces a special 10 percent discount for SFMANJ members attending the 3-Day Athletic Field Construction & Maintenance program presented by *continued on page 8*

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Once again, we have a record number of new members! Listing continues on page 13

Ten Sports Turf Management Myths

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Myth 4) For best footing, bermudagrass sports turf must be deeply rooted. Coaches often emphasize footing and ball response when discussing turfgrass surfaces. Although a major objective of a sports turf management program is to maintain deeply-rooted turf, the bermudagrass root system is not totally responsible for the firmness and uniformity of the playing surface. The network of above- (stolons) and below-ground (rhizomes) stems produced by bermudagrass contributes considerably to its strength and resistance to tearing.

Myth 5) Thatch is bad. Thatch, the layer of undecomposed or partially decomposed organic residues on the soil surface, and mat, an organic layer near the soil surface mixed with soil from topdressing, provide a cushion and a certain amount of protection when athletes fall. Research indicates that the wear tolerance and resiliency of a turf is greater when controlled amounts of thatch and mat are present. Thatch and mat also help insulate the soil, serving as a buffer against high and low temperature extremes. However, too much thatch causes several problems. Thatchy turfs are often prone to scalping, drought and disease. They may also be easily damaged by high and low temperature extremes.

Myth 6) Core aeration has very little effect on the development of weed seeds from soil. Core aeration following the application of pre-emergence herbicides usually has very little effect on herbicide performance. If, however, no pre-emergence herbicide was applied, and the turf is aerified when turfgrass plants are dormant or growing slowly, core aeration may provide an opportunity for weed seed germination within aeration channels. For example, the total surface area of a turf following core aeration to a depth of 2 inches with 3/4-inch diameter hollow tines set to produce a 4-inch by 6-inch aeration grid increases by nearly 20 percent. Much of this newly exposed soil may be moist, may receive light and may contain weed seeds.

Myth 7) A roller should never be used on an athletic field. Immediately following a game, a "light" roller can be used to press uprooted turfgrasses back into contact with the soil. Minor irregularities in the sports turf surface can also be corrected by rolling. Care must be taken to avoid severe soil compaction that could occur when using an extra-heavy roller on saturated soils. Soils should be moist, not too wet or too dry. Dry soils are often very firm and resistant to compaction.

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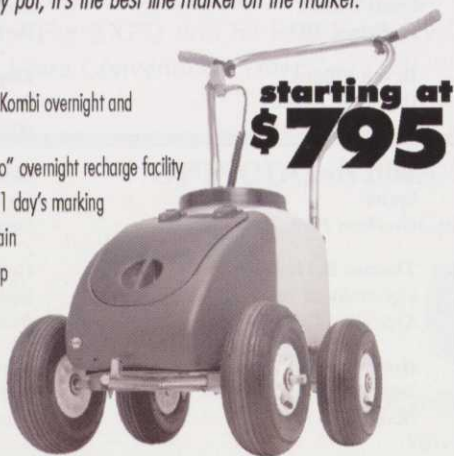
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DOC'S DUGOUT - An Inning From Our Past

By Dr. Kent Kurtz - STMA Historian

An Interview with Dr. Fred Grau at College Park, Maryland

When I was the Executive Director of STMA, I traveled to many parts of the United States for meetings and to observe athletic fields. Several of the turfgrass leaders used to meet in College Park, Maryland, at the home of Dr. Fred Grau for a group we started called the National Sports Turf Council. On April 24, 1985, I had the privilege of sitting down with Fred and recording his version of the early people and pioneers in turfgrass. After I returned from the STMA Annual Meeting in San Antonio, I found the tape and will share excerpts from our discussion of 1985.

Fred was a cheerleader and a mile runner in high school and looked after the football field in rural Nebraska. The field was dirt with no grass and the team didn't score a single point all season and never won one game. When he attended the University of Nebraska a few years later he became a cheerleader dressed as a corn cob. He recalled that in those days the worst damage they ever did to Kansas State was to paint their statues on the Manhattan campus. Finally in 1931 he graduated and came east.

Most athletic fields in those days consisted of common Kentucky bluegrass, redbud and crabgrass. There was no tall fescue as this grass was not released until about 1945 when the USDA came out with the variety Alta. There was an assortment of grasses used during this time on athletic fields such as crested dogstail, meadow fescue, creeping red fescue and chewing fescue but none of these really made a good turf. Some common bermudagrass was used along the eastern US but it really did not grow well until July and turned brown early with the first frost. The whole system was very poor since there was no quality. The seed companies set the seeding rates that were used since no research was being conducted to determine the correct seeding rates. Fred recalled he traveled to California for his first speaking engagement at a turf conference and mentioned the seeding rates for bentgrass, redbud, common bluegrass and fine fescue should be 3 to 4 pounds per 1,000 square feet for the mixture. Seed companies at the time were recommending sowing 15 pounds per 1,000 square feet. These excessive seeding rates because of the crowding of grasses resulted in disease so the fields were mowed, raked and re-seeded with the result being the same disappointment - disease and weeds.

In 1935 along with Professor Burton Musser, Fred visited athletic fields in Pennsylvania that planted common Kentucky bluegrass, chewing fescue and redbud because nothing else was available. He recalled a shipload of

chewing fescue that arrived from New Zealand and, to be legal, the bags had to be tagged with the germination percentage. It was and the percentage on the bag was 0.00% and when it was planted nothing grew - but it was legal since it was tagged.

It was a time when there was no proper grass for athletic fields and no specialized equipment or fertilizer. They had manure spreaders and drag harrows and a 4-16-4 fertilizer, which was out of balance. They went with what they had and the result was mud. Fred remembered going to Lehigh Stadium in Allentown, Pennsylvania, where they were using sodium arsenate for weed control and spraying the material on the grass with an old potato sprayer. To insure the proper coverage of the arsenate he walked behind the sprayer in barefeet, pants rolled up to his knees and no protective mask. The field was infested with common plantain, buckhorn plantain, dandelions, crabgrass and goosegrass and the spray application cleaned up all of the weeds. **Editors note: Thankfully, times have changed.**

He further recalled that he visited Leo Previti, the stadium manager in Philadelphia at Municipal Stadium with Charlie Hollowell county agent and Harry Wilcox, county agent for Delaware County. In those days they let the crabgrass grow until seed-heads appeared and then they mowed the field and removed the hay. The result was they played on crabgrass, which eventually turned to mud.

In 1945-46 Tom and Tony Mascaro developed the first spoon tines for the aerifier they began marketing about this time. The aerifier was developed to loosen the soil and make the turf surface more resilient. The first demonstration of an aerifier on a golf course fairway occurred at the Lulu Temple Country Club in North Hills, Pennsylvania in 1947. It was successful and the West Point Products Company of West Point, Pennsylvania began marketing these machines to golf courses and athletic fields.

Dr. Grau indicated that the idea of the vertical mower or verticut machine started on his front lawn in College Park, Maryland about this same time. Fred sat on his lawn that was heavily infested with goosegrass and

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Dr. Fred Grau

Chapter Events

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Rutgers University February 25 - 27, 2003. For information on this event call 732-932-9271 or visit the website: www.cook.rutgers.edu/~ocpe.

For information on the New Jersey Chapter, or upcoming events, call Eleanora Murfitt, at 908-236-9118; e-mail to HQ@smanj.org

Kentucky Sports Turf Managers Association:

The Kentucky Chapter will hold its Annual Meeting on February 26, 2003, in conjunction with the UK/KTC Short Course in Louisville.

For information on the chapter or upcoming events, contact Tom Nielsen at TNielsen@batsbaseball.com or Aaron Boggs at AVBoggs@netscape.net.

Ohio Sports Turf Managers Association (OSTMA):

OSTMA will be working with The Ohio State University to put on a sport turf short course at the Huntington Club Suite at The Ohio State Stadium on March 4 and 5. Please contact 614-292-4230 to register. For more program information please contact Pam Sherratt at 614-292-7457.

OSTMA will hold a hands-on workshop on field painting in Fremont, Ohio on April 14. Experts on painting will share their knowledge and tricks of the trades.

For information on the OSTMA Chapter, or upcoming events, call OSTMA Headquarters at 888-824-9805 or 419-824-9805 or Boyd Montgomery at 419-885-1982; or visit the chapter's website at www.ostma.org.

Michigan Sports Turf Managers Association (MiSTMA):

MiSTMA is planning a spring workshop in early March. More details will be announced soon.

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 website.

Florida Chapter # 1:

The Florida Chapter will take part in the IFAS Field Day to be held on March 20 in Davie.

For information on the Florida Chapter, or pending activities, contact John Mascaro at 954-341-3115 or STMA@Turf-Tec.com.

Nebraska Sports Turf Managers Association:

The Chapter will meet on April 18 in Curtis. Brad Jakubowski, Nebraska College of Technical Agriculture, will host the meeting.

Chapter Officers and Board Members for 2003 are: President - Loren Humphrey; President-Elect - Dan Bergstrom; Treasurer - Doug Moore; Secretary - Steve Ferguson; Commercial Vice-President - Steve McGowan; Past-President - Gregg Bostelman; and Board Members: Lyle Nelson, Glen Hinkle, Chuck Ford, Ken Roth and Dale Tedder.

For information on the Nebraska Chapter, or upcoming events, call Loren Humphrey at: 402-461-2324 or email to lhumphrey@cityofhastings.org.

Indiana Chapter:


New officers for 2003 are: President - Stan Moscrip; President-Elect - Dan Gamble; Treasurer - Rob Jordan, Secretary - Mary Simpson; Past-President - Terry Updike.

For information on the Indiana Chapter, or pending activities, contact Stan Moscrip, Indiana University, at 815-856-2256 or smoscrip@indiana.edu.

Sports Turf Managers Association of Arizona:

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

continued on page 12

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| | | |
|------------------------|---|--------|
| Loyd C. Bowman | <i>Dr. Fred Grau</i> Michigan State University | \$ 500 |
| Elsworth R. Sayre, Jr. | <i>SAFE 2-year</i> Eastern Kentucky University | 500 |
| Luke Hall | Walla Walla Community College | 500 |
| Dustin Hamilton | Owens Community College | 500 |
| Stephen Wood | Michigan State University | 500 |

4-Year Program

| | | |
|---------------------|--|-------|
| Matthew Slingerland | <i>Dr. James Watson</i> Pennsylvania State University | 1,000 |
| Nicholas Gow | <i>SAFE 4-year</i> Iowa State University | 1,000 |
| Ryan Snead | Oregon State University | 1,000 |
| Jeffery Hermesch | Purdue University | 1,000 |
| Jeremy Menna | Pennsylvania State University | 1,000 |

Graduate Program

| | | |
|-----------------|--|-------|
| Jason Henderson | <i>Dr. James Watson</i> Michigan State University | 1,500 |
| Dusty Robinson | <i>SAFE Graduate</i> Texas A & M University | 1,500 |
| Gengyun Zhang | Rutgers University | 1,500 |

Note: All Scholarship recipients also received up to \$500 toward their travel and lodging to attend the STMA Annual Conference and full conference registration from STMA.

Founders Awards

Dick Erickson Award

Eric Adkins, CSFM - Athletic Turf Manager, Michigan State University

George Toma Golden Rake Award

Jesse Cuevas - Stadium Superintendent, Johnny Rosenblatt Stadium

Dr. William H. Daniel Award

David M. Gilstrap - Academic Specialist/Teacher, Michigan State University

Harry C. Gill Memorial Award

Ross Kurcab, CSFM - Turf Manager, Invesco Field at Mike High

President's Awards

Tom Curran - Grounds Supervisor, City of Pompano Beach

Lynda Wightman - National Specifications Manager, Hunter Industries

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DOC'S DUGOUT - An Inning From Our Past

continued from page 7

drew a large knife backwards and forwards across the grass and when finished brushed the remains with his hand and the plants disappeared and all that remained was the crown of the goosegrass plant. The vertical mower was a marvelous invention that was finally marketed in 1948/49.

Around 1950, Merion Kentucky bluegrass was released and this became the first improved bluegrass from seed. In 1950, Fred called on his old friend, Father Miller, a priest who operated the Gate of Heaven Cemetery in Cincinnati, Ohio. Father Miller was a personal friend of the manager of the Cincinnati Reds baseball team and they questioned Fred about this new grass called Merion. Merion Kentucky bluegrass was discovered growing on a fairway by the superintendent at the Merion Golf Club near Philadelphia. Merion bluegrass was placed in the turf trials at the Arlington Turf Gardens, which were moved to Beltsville, Maryland when they built the Pentagon on the site in the early 1940's. Merion was a superior grass that survived the move from the Arlington Turf Gardens to Beltsville. In 1950, the Cincinnati baseball club approved the first large installation of this grass in their baseball facility, Crosley Field. It made quite a show as a pioneer grass because of its vigor and superior color and responded well by taking the wear required by baseball. The only drawback initially was that it required more nitrogen fertilization than the common types of bluegrass that were on the market at that time.

Fred Grau joined Tom and Tony Mascaro in 1953 as a member of the West Point Products Company. They put together their version of today's STMA "Seminar on Wheels". They organized athletic field tours of facilities in New York, Pennsylvania and surrounding states during 1953-1955. It was a great success joining county agents, athletic field managers, scientists and interested parties together on these bus tours to view and discuss problems and solutions. These tours resulted in lasting friendships and joined together people who had common interests. Just like today with STMA we all learn new ideas and return home from our annual conference with new confidence, education, ideas and friendships. Isn't this what STMA is all about?

The Dr. Fred Grau Scholarship that is awarded at the STMA Annual Banquet has funding for about one more year. Dr. Henry Indyk conceived the idea to initiate this award to honor one of the true pioneers of our industry. The original money was derived from the funds left from an organization called The National Sports Turf Council that was organized in the 1980's by a group of men who wanted to raise money to support education

and research on sports turf. Dr. Grau was the president of this group and when he passed away the group more or less dissolved. I was an officer in this group representing STMA. I would like to see Fred's legacy and memory continued in the form of this scholarship. When I returned from San Antonio I contacted Fred Grau Jr. and asked for his family's support of this scholarship. He has sent to the SAFE Foundation a check for \$1,000 to continue the award for a couple more years. I would like to solicit the help of all members of STMA to donate to this worthwhile scholarship to keep the memory of Dr. Fred Grau alive for future generations of STMA. I plan to financially support this worthwhile endeavor. Checks should be made out to the SAFE Foundation and designated for the Dr. Fred Grau Scholarship and sent to STMA/SAFE Headquarters. Thanks for your support of our Association.

*Dr. Kent W. Kurtz
STMA Historian*



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Headquarters Report

by Steve Trusty, Executive Director

It was great to see so many of you in San Antonio. Preliminary review of attendees' comments indicates that this again was the best STMA Conference ever. We certainly had a record number of Exhibitors and Exhibitor personnel. Full Conference Registrations appeared to be down slightly, but final numbers are in the process of being tallied. We had conversations with many Exhibitors on the Trade Show floor and they almost unanimously reported "excellent traffic" and "worthwhile show".

One advantage that STMA has over many trade shows is that "no conflicting activity" is scheduled during trade show hours. The Conference Committee and STMA Board understand that interacting with suppliers is a vital element of sports turf management so no educational sessions or committee meetings are scheduled to draw attendees away from the trade show floor. Another advantage is that many of the Exhibitors are potential customers of other Exhibitors. Sod and seed companies use equipment, fertilizers and pesticides. Contractors use various products. And the list goes on. So, while we don't count Exhibitor personnel among our conference registrants, the number of Exhibitor personnel on the floor can help our Exhibitors conduct more business, which is what they are there for.

While we feel confident that this was a very good Conference, we know that there will always be room for improvement. It is very important that we hear from everyone that attended on what you liked and disliked about the Conference. Any suggestions for improvement will be thoroughly considered by the Committee already at work planning next year's Conference.

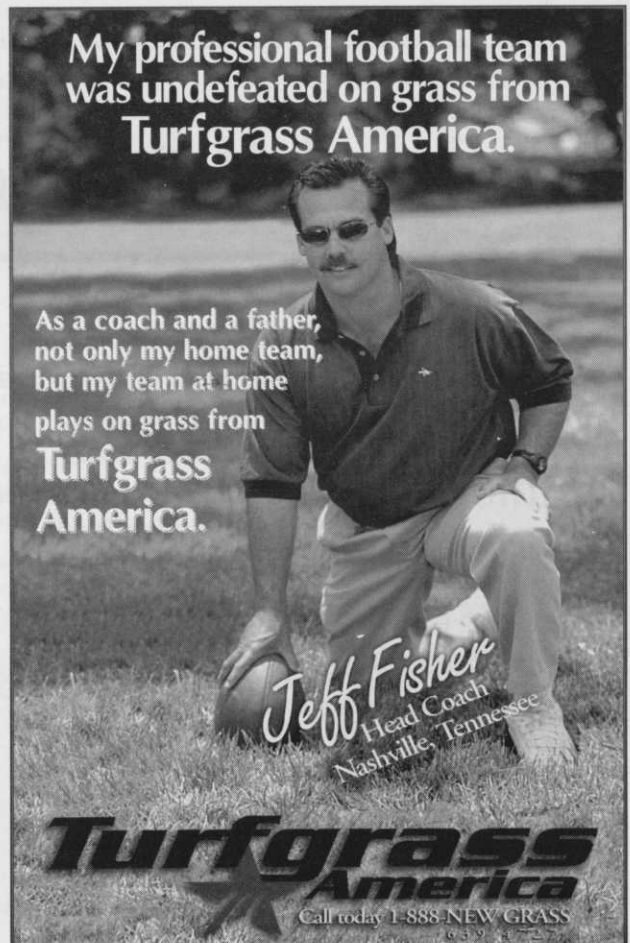
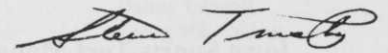
Speaking of next year's Conference, make sure that you have your calendar marked for January 21 - 25, 2004. We will be meeting at the Town and Country Resort & Convention Center in San Diego, California. As a testament to the success of this year's Trade Show, your Exhibitor's Committee has already received commitment for as many dollars income from Exhibitors as we had total for the 2002 Show in Las Vegas. THANK YOU! Exhibitors and Exhibitor's Committee.

If you couldn't make it to San Antonio we would also like to hear from you. Why couldn't you make it? Is there anything we can do to help you sell the program to those that control the travel budget? One suggestion we've heard many people use is to refer to the importance of the information they gained from a previous year's Conference. Point out how you were able to solve a problem because of what you learned from a Conference or Conference attendee. If you have to go to a Conference attendee or speaker to obtain help on a problem, explain to your "money person" that it would have been a lot easier and probably less expensive to solve the problem if you could have received first hand, in depth and intense information by attending the Conference yourself. As soon as the program is announced for the upcoming Conference, let them know the areas that you

would really like to learn more about and get them to buy into the savings that can actually be realized by having you attend in person. If you are in the market for equipment or supplies, let your supervisor know that the Conference is an excellent place to compare products and possibly take advantage of Show Specials, available only at the Conference. When preparing your annual budget include STMA dues, educational sessions and the Trade Show in your request. One good idea, properly communicated to your supervisor, can help assure that you will be able to attend the STMA Conference on an annual basis.

Dues renewals have been arriving in record numbers. If you have not as yet sent your payment in, you can save your association mailing costs by renewing before we have to send a second notice.

We hope to see you soon at a Chapter event. If you are ever in the Council Bluffs area, please stop by and say hello. The coffee pot is always on and the fridge is stocked with sodas.



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Chapter Events

continued from page 8

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.

Southern California Chapter:

For information on the Southern California Chapter, or pending activities, call Michael Tarantino at 858-679-2526.

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.

Georgia Sports Turf Managers Association:

For information on the chapter or upcoming events, contact Lori Turek at 770-509-3663 or gastma@earthlink.net.

Iowa Sports Turf Managers Association:

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

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.

Minnesota Chapter STMA:

The 2003 Chapter Board Members are: President - Jeff Hintz; Treasurer - Randy Bastyr; Secretary - Greg Brodd; President-Elect - Greg Hoag; MTGF Representative - Paul Griffin; Commercial Representative - Don Belkengren; and Past-President - Mike McDonald. Connie Rudolph will serve as Newsletter Chair.

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

MO-KAN Sports Turf Managers Association:

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 or e-mail to mokanstma@aol.com.

Pacific Northwest Sports Turf Managers Association:

For information on the chapter or upcoming events, contact in Washington, Jay Warnick at JayW@Seahawks.com or in Oregon, Mike Wagner at MWagner@Oregon.UOregon.edu.

Tennessee Valley Sports Turf Managers Association (TVSTMA):

For information on the TVSTMA Chapter, or upcoming events, call Bill Marbet, Southern Athletic Fields, Inc., at 931-380-0023 or 800-837-8062 or visit the chapter's website: www.tvstma.org.

North Texas Sports Turf Managers Association:

For information on the North Texas Chapter, or pending activities, contact Kathy Cassmeyer at 972-603-2869 or Rene Asprion at 972-647-3393, or visit the website at www.ntstma.org.

South Texas Sports Turf Managers Association:

For information on the South Texas Chapter, or upcoming events, contact Tim Loesch at 210-20703750 or

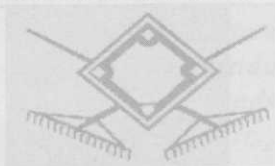
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Welcome New STMA Members

continued from page 5

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Harper Industries

Byron Riesen
Harper, KS

Scott Hasenclever

John Deere/Great American Outdoor
Ames, IA

James E. Hewitt

Atlanta Falcons
Flowery Branch, GA

Richard Scott Hooks

City of College Station Parks & Rec.
College Station, TX

George Jimenez

Hunter Industries
Tierra Verda, FL

Tye Kitasato

Cal Poly Pomona
Chino, CA

Tom Lazear

City of Scottsdale
Scottsdale, AZ

John Maguire

John Deere/J.W. Turf, Inc.
Hampshire, IL

George McConnell

Penn State University
University Park, PA

Michael Michaud

Greece School District
Rochester, NY

Ryan Moriarty

Precision Sports Fields
Nashville, TN

Rich O'Hara

University of California
Los Angeles, CA

Stacey T. Pearson

Integrity Park
Argyle, TX

Kevin Petersen

Catholic University of America
Washington, DC

James Prusa

Palo Alto College
San Antonio, TX

Shawn Ray

City of Cedar Hill
Cedar Hill, TX

Sean Reynolds

Southern Methodist University
Dallas, TX

Darren Green

City of Alexandria
Alexandria, LA

Russell Harris

Student/Rutgers University
Edison, NJ

Greta M. Hayes

City of Chattanooga
Chattanooga, TN

Blake Hoerr

Baltimore Orioles
Baltimore, MD

Irrigation Consulting, Inc.

Barbara Fleming
Pepperell, MA

Michael R. Johansen

Clearfield City Parks
Clearfield, UT

Ron Koch

St. Andrews Parks & Playgrounds
Charleston, SC

Liquigistics, Inc.

Greg Bergwin, CGCS
Weatherford, TX

Thomas Marks

New Orleans Zephyrs Baseball
Metairie, LA

Jay McCord

Prosource One Professional Products
Jacksonville, FL

David Millet, Jr.

Student/Louisiana State University
Baton Rouge, LA

Rich Myer

Florissant Sod Company
O'Fallon, MO

Patrick Oka

Kailua, HI

Robert Pera

Silver Consolidated Schools
Silver City, NM

Clifford D. Peterson

Sonoma County Crushers
Santa Rosa, CA

Keith Radell

City of Boca Raton Parks
Boca Raton, FL

Gary Ready

Dekalb County Parks & Rec.
Loganville, GA

Joe Riccluti

Cleveland Browns
Berea, OH

David Hadskey

Louisiana State University
Baton Rouge, LA

Van Harter

Student/Rutgers University
Avon Lake, OH

Korey Heightman

Precision Sports Fields
Nashville, TN

Andrew Hoiberg

Invesco Field at Mile High
Denver, CO

Leon Jennings

Onesource Landscape & Golf Svcs., Inc.
Lady Lake, FL

Justin Johnson

Student/Univ. of Nebraska/Lincoln
Lincoln, NE

Bill Lamont

University of Southern Maine
Gorham, ME

Jeon Lucero

Cal State University/Long Beach
Long Beach, CA

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Josh McLerran

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Len Nicosia

Judson College
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Sam Ord

Lincoln Professional Baseball
Lincoln, NE

Peter Petel

Baltimore Ravens
Owings Mills, MD

David J. Pinsonneault

Town of Lexington
Lexington, MA

Garlon Rainey

John Deere
Auburn, AL

Jim Reis

John Deere/Van-Wall
Overland Park, KS

Kevin Ripple

Opti-Gro
Irving, TX

Thomas Halloran

Danville Area Soccer Complex
Danville, IL

Steven Hartman

City of Denton
Denton, TX

Donald Hester

Sports Turf Company, Inc.
Whitesburg, GA

Christopher P. Holenstein

City of Summit Rec. Dept
Rockaway, NJ

Gary Jerger

Niles Township Comm. H.S.
Skokie, IL

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David Kronstadt
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T.J. Lawson

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Eliazandro Mata

American University
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Kurt McLerran

Round Rock Express Baseball
Round Rock, TX

Paul Miskimen

Glen Ellyn Park District
Glen Ellyn, IL

Ryan Nieuwsma

Kane County Cougars
Geneva, IL

Clayton Roan Patrick

SMG Jacksonville/Jaguars
Jacksonville, FL

Mike Peters

Tennessee Titans
Nashville, TN

Joseph Pitcher

Harding Twnshp. Public School
New Vernon, NJ

Rudy Ramirez

City of Colleyville Parks & Rec.
Colleyville, TX

Cesar Reyes

Niles Twnshp. Comm. Schools
Skokie, IL

Sean Rivell

Capistrano Beach, CA

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Meet Your New Board Members

Name: Eric Adkins, CSFM
Title: Athletic Turf Manager
Facility: Michigan State University/ Spartan Stadium
STMA Offices held: First national office
STMA Member since: 11/24/97

Educational Background: 1978 Graduate of the 2-year Turfgrass Management Program Michigan State University.

Professional Experience: January 2002 to present, Athletic Turf Manager Michigan State University, East Lansing, Michigan; September 1997 to January 2002, Agronomist Northwestern University, Evanston, Illinois; August 1994 to September 1997, Assistant Groundskeeper, Soldier Field, Chicago, Illinois; March 1989 to August 1994, Assistant Director of Golf, Chicago Park District, Chicago, Illinois

Honors/Awards: Certified Sports Field Manager, CSFM, 02/01/2000; College Football Field of the Year in 2000; Midwest Chapter STMA, Presidents Award, Presented in December 2001; Midwest Chapter Secretary for the years 1999 to 2001; MiSTMA Chapter Board of Directors 2002; STMA Certification Committee 2000 to present; STMA Marketing Committee - 2001 to present; STMA 2002 Founders Award; The Dick Ericson Award presented in January 2003



Hobbies: Golf, Traveling, Auto racing, relaxing in the off-season

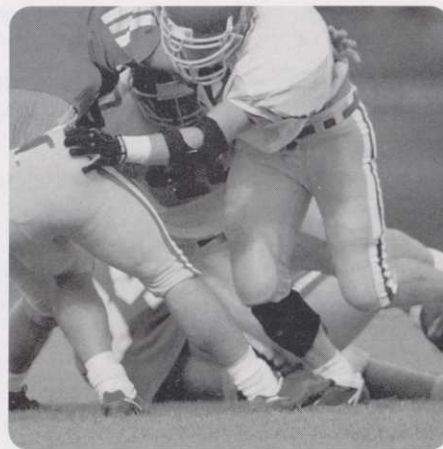
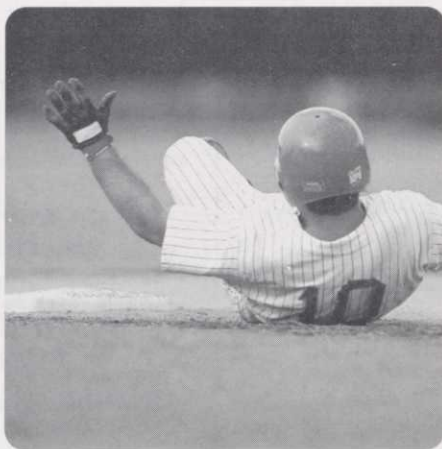
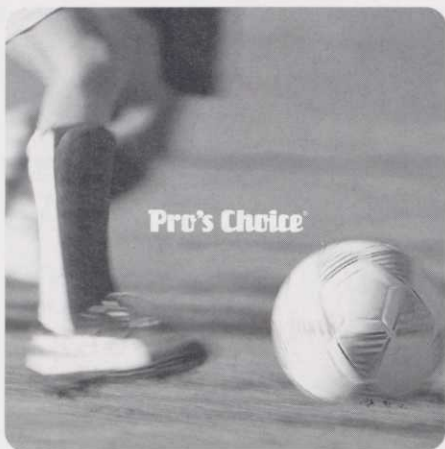
Why did you decide to become a member of the STMA? I became a member of the STMA to further my knowledge in the Sports Turf Industry. I knew that I didn't have all the answers to my sports turf problems and found out that I wasn't alone. By attending conferences and networking with other sports

turf professionals, I was able to work with others to find solutions to turf management problems. Also, I am now a part of a professional organization striving for better and safer fields for all.

What do you feel are the major issues facing the sports turf industry today? One of the biggest issues is that of the new in-fill systems of artificial turf, what their role will be in the future and how they will impact our industry. Another issue is that of the perception of the Sports Turf Manager and how we address the issue of professionalism and marketing ourselves to our administrators, and to the general public. That Sports Turf Manager should be the recognized leader and authority in this profession.

continued on page 18

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Ten Sports Turf Management Myths

continued from page 6

Excessively wet soils may compress very easily and plants may be injured as the roller moves over the turf.

Myth 8) Perennial ryegrasses are easily removed from bermudagrass sports turf each spring without applying a herbicide. Bermudagrass sports turfs may be over-seeded with perennial ryegrasses to provide an actively growing turf while the bermudagrass is dormant. Ryegrass plants usually form many leaves, several tillers and a strong, fibrous root system during fall and winter, before soil temperatures warm and bermudagrass resumes growth in the spring. Sports turf managers may apply nitrogen-containing fertilizers each week after bermudagrass breaks dormancy to "push" the bermudagrass at the expense of the ryegrasses. In an effort to stress ryegrasses and release bermudagrass, ryegrass plants are often allowed to grow to an average height of two-and-one-half inches or more before the turf is mowed at a cutting height of one inch or less. Similarly, as air temperatures rise, the turf may be watered very little. Ryegrass plants weakened by drought are less competitive for available soil nutrients and light. Recently, the mowing quality and high temperature tolerance of turf-type perennial ryegrass varieties has improved. Many do not die until mid-summer, when hot, wet weather favors the development of Pythium disease. The post-emergence herbicides Kerb® (pronamide, Dow AgroSciences), Manor® (metsulfuron methyl, Riverdale Chemical Company) and TranXit™ GTA (rimsulfuron, Griffin LCC) are registered for the removal of perennial ryegrass from bermudagrass. Each can control ryegrass in bermudagrass turf when applied at recommended rates in the spring.

Myth 9) Severely low air temperatures are responsible for the bermudagrass winter-kill each year. Bermudagrass plants are often capable of withstanding several days with below-freezing air temperatures. The rate of growth of aerial shoots of bermudagrass slows as soil surface temperatures drop from 80° to 65° F. Plant hardening occurs at soil surface temperatures from 65° to 55° F. Chilling temperatures from 55° to 50° F usually damage bermudagrass leaves. Soil surface temperatures from 50° to 32° F trigger winter dormancy. Although aerial shoots of bermudagrass are killed by soil source temperatures from 32° to 20° F, nodes capable of producing new leaves and roots often survive. Total low-temperature kill of bermudagrass most often occurs at soil surface temperatures of 20° F and below. An interaction of several factors in addition to direct low temperature injury may be responsible for the loss of a stand of bermudagrass in winter and early spring. In addition to low temperature extremes during winter dormancy, consider soil fertility, moisture and pH levels, the degree of soil compaction and shade, rooting depth, plant height, exposure (e.g. north-facing slope) of the site, wear injury and disease activity (e.g. spring dead spot, pink snow mold, etc.).

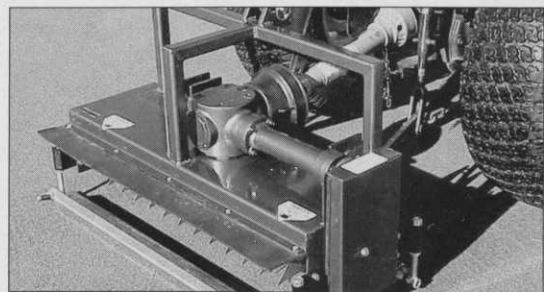
Myth 10) Bermudagrass sports turf is no place to apply plant growth suppressants. Bermudagrass stabilizes soil, preventing

soil erosion from wind and water. A healthy, actively growing bermudagrass sports turf is resilient, resistant to weed invasion and recovers quickly from wear injury. Once the soil surface is completely covered with bermudagrass, many sports turf managers consider the advantages of sequential applications of a growth suppressant. For example, Primo® Maxx® (trinexapac-ethyl, Syngenta) can be used to manage the growth of bermudagrass. Frequency of mowing and the amount of grass clippings are reduced following application due to a reduction in the rate of plant growth. An increase in the density and color of bermudagrass turf are often observed after applying this product. An application of Primo® Maxx® prior to overseeding bermudagrass with ryegrass, along with other management practices that ensure seed germination and seedling growth, usually results in fewer clippings and less maintenance traffic as ryegrass seedlings develop. A pre-plant application of this foliarly absorbed growth suppressant to bermudagrass does not affect ryegrass seed germination or seedling growth. It may increase carbohydrate levels in bermudagrass which could enhance cold tolerance.

This topic was presented by Dr. Tom Samples at the 2003 STMA Conference & Exhibition in San Antonio.



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2003 STMA Board Meeting Reports

The STMA Board of Directors met in conjunction with the Annual Conference in San Antonio, Texas. The first meeting took place on January 14, 2003, from 8:00 AM to 12:30 PM. The 2002 Board members reviewed Committee Reports, the preliminary end of year financial reports, conducted an overview of Conference details, and voted to form review committees for the STMA Bylaws and Code of Ethics.

The STMA Annual Meeting took place on January 18, 2003, from 12:42 to 1:43 PM. Committee Chairs presented status reports. Membership continues to grow and STMA remains financially sound. The membership voted

to approve the SAFE Foundation Board of Directors. The 2003 Officers and Board Members were duly installed as previously elected by the STMA membership.

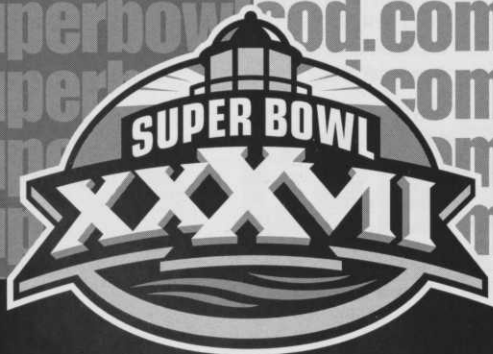
The STMA Board met from 4:35 to 5:54 PM on January 18 for a post-Conference review. The next Board Meeting will be held April 4-5, 2003, at the Town and Country Resort & Convention Center in San Diego, California, site of the 2004 Conference.

The Board requests that anyone interested in serving on a Committee for 2003 contact STMA Headquarters or any Board Member.



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Chapter Events

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Craig Potts at 979-458-8841 or CPotts@athletics.tamu.edu.

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Virginia Sports Turf Managers Association:

For information on the Virginia Chapter, or other upcoming events, contact: Bob Studholme, Fairfax County Park Authority via e-mail: Robert.Studholme@FairfaxCounty.gov or at 703/324-8590.

Wisconsin Sports Turf Managers Association:

For more information on the Wisconsin Chapter, or other pending events, contact Chris Brindley at 715-346-3622 or cbrindle@uwsp.edu.

Chapters on the Grow:

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

New York: For information on the chapter forming in Central New York, contact Kevin Meredith,

Welcome New STMA Members

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Rogers Innovative, Inc.

Wally Owchar
Saskatoon, SK

Joe Sanderfer

Texas Rangers Baseball
Arlington, TX

David Schumacher

Pennington Seed, Inc.
Huntersville, NC

Phil Shirk

Milton Hershey School
Hershey, PA

Sod Guys, Inc. dba EnviroGreen

Lynn Steadman
American Falls, ID

Andrew St. Julian

Texas Rangers Baseball
Arlington, TX

Submatic Drip Systems

Patrick Dillon
Austin, TX

Waldo Terrell

Univ. of Georgia Athletic Dept.
Athens, GA

Jeanne S. Tomlinson

Town of Clayton
Clayton, NC

Martin Vasquez

American University
Washington, DC

Rick Walker

Lowell Spinners Baseball
Lowell, MA

Mike Welfring

Turf Supply Company
Eagan, MN

Jon Willow

Southern Spray Company
Memphis, TN

Jason Baron Rolf

Tuckahoe, NY

Casey Scheidel

Student/Iowa State University
Ames, IA

Ryan Schutt

Tacoma Rainiers Baseball
Tacoma, WA

Keith Siler

Univ. of N. Carolina/Greensboro
Greensboro, NC

Cheyne Solesbee

Texas A & M Athletic Dept.
Bryan, TX

Mike Stemen

Truckee Donner Rec. & Parks
Truckee, CA

Brad Tasler

John Deere/Great American Outdoor
Urbandale, IA

Peter Thibeault

Noble & Greenough School
Dedham, MA

David Torres

Nelson W. Wolff Municipal Stadium
San Antonio, TX

David Vernon

City of Columbia
Columbia, TN

John Walton

Rose-Hulman Institute of Technology
Terre Haute, IN

John Wetzel

Bruce Dees & Associates
Tacoma, WA

WINDS

Mark Meyer
Avon, IL

Paul Rucker

City of College Station
College Station, TX

Mark Schmidt

John Deere/SW Engineering Center
Charlotte, NC

Jim Schwartz

Big Foot High School
Walworth, WI

Jimmy Simpson

Durham Bulls Baseball
Raleigh, NC

James Sowl

Colorado Rockies
Denver, CO

Curt Stogsdill

City of Denton Parks & Rec.
Denton, TX

Randy Taylor

Galena Park I.S.D.
Houston, TX

Emory Thomas

BareSpot Solutions
Wharton, TX

Todd Tribble

Clemson University
Savannah, GA

Christopher L. Vetic

Catholic University of America
Washington, DC

Clint Waltz

University of Georgia
Griffin, GA

Chad Wheeler

City of Keller
Keller, TX

Tom Wise

John Deere
Geneseo, IL

Craig Rudell

Magic Carpet Turf Farms
Berrien Springs, MI

Jerome Schuetz

City of Ft. Myers
Ft. Myers, FL

Michael Seifert

Feldmann Eng. & Mfg. Co., Inc.
Sheboygan Falls, WI

Charles Snyder

Baltimore Ravens
Owings Mills, MD

Sprinturf

Frank LeMaster
Wayne, PA

Warren Stripling

New Caney I.S.D.
Porter, TX

Team Turf div./Grant Rent All

Phil Hiliker
Grant, MI

Kermit Throckmorton

Southern Spray
Memphis, TN

Garrett Turner

Student/Univ. of Kentucky
Lexington, KY

Joseph A. Vocke

Grayslake Park District
Grayslake, IL

Peter Webb

Ottawa Lynx
Ottawa, ON

Todd Whipple

Capital Sports Foundation
Lincoln, NE

Chad Yeomans

Student/Michigan State Univ.
Lansing, MI

Meet Your New Board Members

continued from page 14

What would you do to resolve some of these issues? I feel that education is what's needed most to resolve most of today's issues facing the Sports Turf Manager. With a well-educated Sports Turf Manager we can overcome many of the problems out there today. As field quality improves so does our image. As our image improves so do the salaries we can expect to receive. Another way is certification, being a Certified Sports Field Manager (CSFM) shows that you are knowledgeable in the aspects of field management and willing to accept the challenges in the future.

Do you have any words of wisdom for your peers in the STMA? Over my short stint as a member in the STMA I have come to realize that this organization will have one of the greatest impacts on the green industry. What organization can say they are a part of one's life from childhood to adulthood - from the

park and recreation fields we all played on, to high school activities and sporting events, to the professional and collegiate fields and events, that are watched every day by millions of people? Every time my fields are used I know that I made a small impact in somebody's life, that's why I want to do the best I can.

Name: Abby L. McNeal, CSFM

Title: Assistant Turfgrass Manager

Facility: INVESCO Field at Mile High

Years associated with STMA: 10 years

STMA Offices held: Chapter Relations Chair for 6 years

Educational Background: B.S. Landscape Horticulture concentration in Turfgrass Management from Colorado State

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Meet Your New Board Members

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University, graduation in 1994; Certification from University of Georgia, 1998; Certified Sports Field Manager, 2001.

Professional Experience: 1994 City of Westminster Parks and Libraries; 1995-1999 City of Boulder Parks and Recreation, Pleasant View Sports Complex; 1999-2001 University of Colorado, Athletic Turfgrass Manager; 2001-present INVESCO Field at Mile High, Assistant Turfgrass Manager.

Honors and Awards: 1993 STMA Scholarship recipient; 1997 STMA College Soccer Field of the Year; 2000 Rocky Mountain Regional Turfgrass Association Turfgrass Manager of the Year; 2001 member of the Denver Broncos Turf Team that received the Rocky Mountain Regional Turfgrass Professional Turfgrass Manager of the Year.

Why did you decide to become a member of the STMA? To meet and create a working relationship with fellow sports

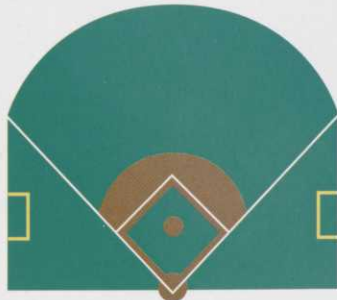


turf managers throughout the country.

What do you feel are the major issues facing the sports turf industry today? The overuse of the fields throughout all levels of the sports turf industry creating great opportunities for the newer style of artificial fields is one of the major issues facing the industry today. I believe that through better education and better turf management we, as sports turf managers, can help promote the industry and reduce the overuse of our fields.

What would you do to resolve some of these issues? To help solve some of the issues that are facing the industry today, I would push for better means of educating the field user and the public on the consequences of over-using the facilities. In addition, we need better methods of promoting the sports turf manager as the resource for education and training in regards to maintaining their athletic fields.

Do you have any words of wisdom for you peers in the STMA? Try your best to educate your immediate officials and field users about the limits of your field(s) and help them recognize there is a point of overuse that affects the player safety.



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