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The University of New England won a 2008 STMA Sporting Grounds Field of the Year Award. Left to right: Lance Tibbetts, Gary Jenness, Phil Taschereau, and Richard Burgess.
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“Why you do dat?”

MY 2-YEAR-OLD’S FAVORITE QUESTION IS “Why did you do that?” though it comes out “Why you do dat?” After a recent conference call with the Sports Turf Managers Association’s Editorial Communications Committee, which advises this magazine, I thought it might be time to remind or inform our readers of the whys and hows of SportsTurf.

My employer, M2MEDIA360, publishes this magazine; we have an agreement with the STMA to serve as its official publication and beyond their membership, our readers include thousands of other professional turf managers, athletic directors, coaches, parks and rec managers, university turf professors, agronomists, field builders, and architects. I have been the editor for 8 years and work with the STMA Board of Directors, CEO Kim Heck, the above-mentioned committee, and our advertisers to produce a readable, relevant magazine.

Our main goal is simple—provide information that helps those who directly care for, are responsible for, or are professionally interested in sports fields and related facilities do their jobs better. As we succeed in reaching this goal, STMA commercial members and other companies who sell equipment, services, etc., to our readers advertise in these pages and that’s how our revenue is generated. It should be better known that a percentage of each and every ad dollar we earn in SportsTurf goes to the STMA as part of our contract; supporting us directly strengthens the association.

Part of the recent STMA committee discussion was about how we determine what articles are published. The ideal article is written by an STMA member or another professional sports turf manager on a timely subject, e.g., in the August issue we might run a story on aeration, right in time for when that task normally is performed. Or something on weed control by a university professor or extension agent in the March issue, etc.

We also are interested in presenting the latest information available, whether it is turf-related research findings or news of a product or service that might assist readers. It was in reference to this last idea that some specific questions were brought up in our conference call. How should we handle editorial that is written by commercial members or others who are marketing products to sports turf managers?

The first part of the response was easy—we prefer “not to do dat.” And on the rare occasions we do, we always, as with every article, put at the end where that article originated, i.e., full disclosure. That way the readers can judge for themselves the validity of the information. Further, as one committee member pointed out, the experience and knowledge of vendors shouldn’t be automatically discounted as a source of new and valuable information just because they are selling a specific product.

But in response to this concern, moving forward we will add an “Editor’s Note” at the beginning of any articles that are provided by vendors, rather than the end, so you know the source before reading.

From the Sidelines

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We all have been faced with doing more with less and stretching our resources to their limits and beyond. I know that we have had to make choices about how to spend our ever tightening budgets, but one area that should never be stretched is continuing education.

Our industry is a science and as we all know, science is always changing. The best way to stay on top of the rapid industry changes is to attend the STMA Annual Conference and Exhibition. At the conference, you will have the opportunity to learn from top professionals, educators, and other attendees. The time is now to start planning your continuing education for the “off season.” Continuing education is a term that is used to describe an opportunity to learn new skills and acquire knowledge to broaden one’s current education status. The STMA Conference is the perfect opportunity for continuing education for the Sports Turf Manager.

The STMA Conference Education Committee has just started to formulate the 2010 educational program, which will be held at Disney’s Coronado Springs Resort in Orlando on January 13-16, 2010. In this issue (page 46) and online at www.stma.org, you will find useful information to assist you when discussing your attendance at the conference with your employer. A simple registration form in a PDF is already available on STMA’s website, if you have any unused 2008-2009 training dollars in your budget.

The value of attending the conference goes beyond the classroom educational sessions. It can be found in the numerous networking opportunities created for you to get advice and best management practices from other members. There are also facility tours, viewing the latest in equipment technology, and the less tangible, but exceedingly important enhancement of your professional image. Attending a national program’s continuing education positions you as a professional. Be sure to share the ideas you collected during the conference with your employer and your staff. All of the conference offerings combine to provide an amazing value that is hard to find elsewhere.

Another approach to consider is to add on a vacation for you and your family at the beginning or end of the conference. Hotel rates are a low $141 a night, so an extra night (or two) to enjoy the discounted passes to the many theme parks as a reward for you and your family makes the entire package complete.

Headquarters is always available to assist you with any questions you may have regarding the conference. So start the discussions today with your employer and your family, and begin making the plans to attend the annual STMA Conference and Exhibition. See you in Disney in 2010!
IN TODAY’S ECONOMY, anything that saves money is a welcomed addition to a turf manager’s portfolio. When technology saves labor, water and fertilizer—and has the bonus of making the fields look uniformly good—it’s sure to open eyes.

Shawn Brumbaugh, sports complex manager in Olathe, KS got his eyes opened when he added a fertigation system to his irrigation. It worked so well, he made the same purchase decision a second time, using the savings from his first fertigation system to invest in another.

“We saved close to $5,000 the first year we installed our fertigation system,” Brumbaugh says. “That includes the cost of the system itself.”

Olathe, a southwest suburb of Kansas City, has two main sports centers: the Olathe College Boulevard Activity Center and the Olathe District Activities Center. They are virtually identical, each consisting of a football field, a pair of soccer fields, two baseball fields and two softball fields. The football and soccer fields are straight Kentucky bluegrass. The baseball and softball infields are bluegrass, too, but everything else is a durable turf-type fescue. The only difference between the various fields is some have a sand cap and others are on native soil.

All of the fields have a fairly sophisticated Rain Bird-Hunter combination irrigation system. The zones are highly refined and were optimized for efficient, effective watering.

“We have a top-of-the-line irrigation system and pump,” Brumbaugh continues.

“The fields at College Boulevard Activity Center were opened in fall 2004,” Brumbaugh says. For the first couple of seasons, they applied granular fertilizer with a spinner spreader on the back of a John Deere tractor. They had occasional problems with uneven application of the material but nothing devastating.

Meantime, the economy began to head south. Like everyone else in the nation, Olathe has not seen any crazy increases in its budgets. A few years ago, Brumbaugh did some serious pencil-pushing and pounding on his adding machine. He knew he had to save money. And, like many other managers, he knew one good place to save money was to find ways to reduce labor inputs.

“It was your typical ‘save money now’ deal,” he says, adding that while saving labor dollars was the
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Fertilizer program

The fertility program at both the College Boulevard Activity Center and the Olathe District Activities Center kicks off in late February or early March with a high-nitrogen application to get the fields a kick-start. “Both the baseball and softball fields get an application of 24-5-11 with Dimension,” Shawn Brumbaugh says. He wants to get a high N dose down early, especially on the sand capped fields. “Because of the temperatures, it takes a while to take hold,” he explains.

The program continues with a 25-5-11 shot in April and then 28-3-12 in May. “In June and July the fields get a light dose of Milorganite,” he continues. If anything is applied in the hot weeks of August, it is another dusting of Milorganite. “For the most part, we don’t put a lot of fertility down to discourage growth,” Brumbaugh says. The football fields get a typical in-season feeding. Then, the entire complex gets a high P and K feeding in the fall to build roots for the next year.

In addition to saving on water, he has been able to increase his application interval for Heritage from 21 days to 30 or more days through the May-August season. “We cut out two applications,” he says, happily. At $2,000 per field per application, that saves him close to another $10,000 per complex each season.

The fertigation system allows the complex manager to dial-in the application rate from nothing at all to 100 percent application of fertilizer. “We used to run normally at 25 percent,” Brumbaugh says. “Now we keep it at 10 percent to save more money.”

He is pleased with his soil test results…both the sand cap and the native soil fields are coming back the same.

“Turf Science is the exact same system,” Brumbaugh says. If he were putting in yet another system, the only thing Brumbaugh would do differently is to be sure there is a drain or flush valve on the system for use at the end of the season to allow them to drain and rinse any remaining chemical in the tank. “There is a shutoff on the pipe. It’s okay as long as there is no chemical left. But be sure to design a way to flush the system with clean water at the end of the season,” he advises.

While he was doubling-down on the fertigation system, he was dialing back on the amount of fertilizer and materials used on a regular basis.

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The system

In 2005, they chose a Fertile Water fertigation from Turf Feeding Systems (www.turffeeding.com), Houston, TX. The local dealer is Ewing Irrigation in Olathe. The system was installed late in 2005 and turned up for regular use in 2006.

Fertile Water is designed to deliver budget-friendly, environmentally sound solutions to playing fields year-round, says Michael Chaplinsky, president of TFS. He notes that sports turf presents a special set of challenges. Besides being visually attractive, turf needs to be dense and soft to protect players from injury, but resilient enough to recover quickly from the assault of cleats and heavy traffic.

“When Fertile Water fertigation is used, over-stressed fields start to show immediate improvement with reduced water use,” Chaplinsky claims. Brumbaugh saw that promised improvement the first season.

Installation was fairly simple and took only about four hours. Ewing put a 300-gallon poly tank near the irrigation head. They ran a hose with a 5-hp pump right to the water supply line that leads to the fields. They added a small silo over the system to protect it.

“The soccer fields and football fields had hot spots from Day One,” Brumbaugh says. He points a finger at the sand layer in the rootzone mix not getting the water and fertilizer it required. The even, spoon-fed fertilizer application seemed to handle the problem nicely.

“The fertilizer goes on in a more even pattern and gets soaked in immediately,” Brumbaugh finds.

He cheats a bit by putting more pressure to the individual heads, throwing water about 5 feet beyond the heads to assure full overlap. “That way, you don’t get diamonds on the field,” he notes.

There is an additional bonus. “If you get a leak, you sure can find it right away,” he laughs. But it was the basics task of getting fertilizer and water to the right spot that most concerned him.

Chris Harrison is a veteran freelance writer who has written many articles on turf and turf maintenance.