

BRIEFS



**FTGA ELECTS BARNES PRESIDENT**

TAMPA, Fla. — David Barnes has been elected 1997-1998 president of the 1,200-member Florida Turfgrass Association (FTGA). Elected during the FTGA's 45th annual Conference & Show here, Barnes has more than 20 years experience in golf course turfgrass management. He is vice president and general manager of the Greg Norman Turf Co. in Avon Park. He has been a member of the FTGA since 1988, serving as vice president in 1996-1997. Barnes is also involved with the University of Florida IFAS.

**MIDWEST EXPO IN JANUARY**

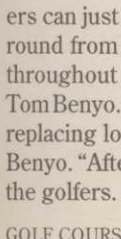
INDIANAPOLIS, Ind. — The 1998 Midwest Turf Expo will be held Jan. 20-22 at the Indiana Convention Center here. A pre-Expo Golf Course Superintendents Association of America (GCSAA) seminar entitled "Design, Construction and Maintenance of Chemical Storage Facilities" will be held on Jan. 19. Registration and exhibitor information is available by calling Beverly Bratton at 765-494-8039.

**IMG INKS FOUR CONTRACTS**

LAKELAND, Fla. — International Golf Management has signed golf course maintenance contracts with The Blueberry Plantation Golf and Country Club in Alma, Ga., and with three golf facilities in Florida — Heritage Greens, Pelican Strand in Naples and Delray Country Club in Delray Beach. Heritage Greens is an 18-hole course scheduled to open in January. Pelican Strand is a semi-private 27-hole facility whose final nine holes will open in mid-January.

**FREE BALLS? YES ... AT THAYER CC**

THAYER, Mo. — No, that is not a misprint. Thayer Country Club has devised a plan to ease the "fall foliage frustration" that strikes golfers each autumn. You know: Great drive, down the middle, but unfindable because of tree leaves. Thayer's new policy won't find those lost balls for its golfers, but it gives them the chance to replace them. Using the honor system, golfers can just take the balls they lost that round from a collection of those found throughout the year by superintendent Tom Benyo. "I've never heard of a course replacing lost balls, but why not?" said Benyo. "After all, these balls came from the golfers. Let's give them back."



# Ohio show hits hot buttons

## President stresses green 'marriage'

By MARK LESLIE

COLUMBUS, Ohio — Calling the relationship of the state's golf course superintendents, sports turf managers and lawn-care operators "a beautiful marriage," new Ohio Turfgrass Foundation (OTF) President Joe Duncan said the different groups are learning more and more from each other as time passes.



Joe Duncan

"That relationship has existed for a long, long time, but we depend on each other more than ever before," said Duncan, owner of Evergreen Lawn Care Inc. in Troy, who succeeded Hank Chafin at the OTF Conference and Show here, Dec. 8-11. "We're learning that everything we do is an integral part of each other's work. Things that happen on sports turfs and on golf courses, and the research they are fostering, affect us all."

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## Prof. pushes more biological control

By MARK LESLIE

COLUMBUS, Ohio — Questions abound in the arena of turfgrass soil ecology and biology, but Dr. Michael Boehm pointed to a future where biological care plays an equal role in maintenance with chemical and cultural care and the turfgrass' genetic resistance.

The Ohio State University (OSU) assistant professor of plant pathology painted a picture in which current maintenance practices are dominated by chemicals, and where cultural practices and genetic resistance dwarf biological controls.

"We want to get all spheres relatively the same size to give turfgrass managers the ultimate and largest arsenal to combat turfgrass diseases," Boehm told an audience at the Ohio Turfgrass Foundation Show and Conference here.

"Our goal," he said, "is the integrated management of diseases ... to push the responsible use of biorational, environmentally friendly and environmentally

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Gathering data by GPS and GSI.

## Computer maps offer advantages for maintenance and construction

By KEVIN P. CORBLEY

LAKESWOOD, Colo. — Computerized mapping is the future of golf course maintenance and construction. That's the direction Larry Rodgers of Larry Rodgers Design here sees the industry taking. And his clients, some skeptical at first, tend to agree.

For more than a year, Rodgers has been using Global Positioning System (GPS) and Geographic Information System (GIS) technologies to monitor and map the installation of irrigation systems his

1ST OF 3 PARTS  
company

designs for new and existing courses. When each project is completed, Rodgers' clients not only have new irrigation, they are left with a digital map of the course they can use for many purposes.

"Digital mapping essentially replaces aerial photography in golf course mapping," explained Rodgers. "GPS and GIS are a lot more accurate and much less expensive in the long run than air photos."

Typically, an aerial photo of a course is taken after construction and has limited use as a map reference for some maintenance and future design changes. Digital mapping is conducted throughout the construction process, whether for a new course or a replacement irrigation system at an existing one. The digital map is created in layers as the project progresses and can be used to facilitate the construction itself.

"The bottom line is, this technology saves money by virtually eliminating change orders in renovations of existing courses," said Rodgers.

Digital maps give contractors an extremely accurate visual guide they can follow during construction. As a result, completed projects match very

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### GOLF AND THE ENVIRONMENT



A water sample is taken at TPC River Highlands in Cromwell, Conn.

## Tackling unreasonable expectations

By RON DODSON

It's interesting how jobs seem to define who we are. For instance, when we ask, "What is a golf course superintendent?" we're really asking what job does he or she do, and, believe me, everyone's got an answer about what they're supposed to do.

First of all, everyone seems to agree that a superintendent's primary job is to manage the golf course (meaning turfgrass). And it follows that every golfer has an opinion about how a golf course should be managed. They've played a lot of golf, they have a lawn, they have a lot of money, and they know how their greens ought to look and play. That makes them experts on how turfgrass ought to be managed. Right?

Sometimes that's how it sounds when I talk with golfers about superintendents.

Well, I'm here to tell you that good golf

course superintendents do a whole lot more than manage turfgrass. In addition to all of the work and expertise it takes to manage turf, they manage water, and from this environmentalist's perspective they also manage wildlife, wetlands, lakes, streams, forests, landscape ecology, insects, the weather, the media, the government, their staff, and the biggest challenge of all: the unreasonable expectations of golfers.

What do I mean by unreasonable? From an economic and environmental perspective, think about wall-to-wall manicured turfgrass, both in terms of man and machine hours as well as in loss of habitat. Think about fertilized turf right down to the edge of water bodies, both in terms of cost of fertilizers, man hours to spread it, and the potential damage to water quality

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## Duncan: Mutual help in green industry

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Duncan noted that the first day of the OTF conference was filled with joint sessions of the three disciplines, dealing with topics common to them all.

"It's a sign of the times," he said. "It's amazing what we [lawn-care industry] have learned from the golf course guys. We don't have structures of golf greens on lawns, but what they do filters down to us, and vice versa.

"Going into the 21st century, we will be learning more and more this way."

Saying the lawn-care industry is "constantly being thrown curve balls with regulations, such as composting and yard waste," Duncan added that ideas coming from the golf course industry have helped cope with the new rules.

Referring to the \$260,000 in grants and scholarships OTF donated to Ohio State University this year, he said he hopes to continue, and even improve, this performance, "especially with the addition of turf plots and new professors [recently added to the staff].

"We have more good reasons

to support their research," he added. "None of us individually has the funds, or the staff to do this research. We appreciate what OSU does for us."

The OTF function, Duncan said, is the research and technology of products and services. "We feel we are the education arm of all the other groups —

the golf course superintendent associations, Ohio Lawn Care Association and Professional Grounds Management Association. We feel they better serve their constituents in the administration and business aspects. What we're doing in gathering and disseminating information and research is the beauty about

the marriage. It's what makes the green industry in Ohio so successful. Both groups are very viable and important to all the people involved."

Duncan, who has been in the lawn-care industry since 1975 and started Evergreen Lawn Care in 1985, said extraordinary advances have been made in technology and the use of computers.

"These things will come more

naturally to the next generation," he said. "Some of us in this industry are dinosaurs. Look where we've come in the last 20 years, in the way we managed turf then and now. It is the difference between night and day. I can't imagine where we're going to be 20 years from today.

"It's exciting because what we're doing now is so much better for the environment, for our clients, and for the turf."

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## Genetic engineering

Continued from previous page

and insect resistance you will have fewer dead spots ... less mowing, fewer clippings, and less irrigation."

On the other hand, he said, "more people will want finer turf. There will be more do-it-yourselfers in lawn care. There will be a higher demand for greens, tees and fairways, and for renovation of existing turf to new varieties."

Overall, he said, it should be easier to manage turf, "but it depends on what spectrum of turf-care management you are on. If you're on the professional end, you'd better know what the varieties are you are treating, and from that standpoint you will need more knowledge, more record-keeping, better communications with your crew, and able to keep up with a faster pace of advancing technology."

...

Market size is critical to pay for genetic research, Meier said.

"One of the concerns is, if you find a fantastic gene for herbicide or disease resistance, do you have a plant that is going to be harder to control?" he said. "Who knows, if it is disease-resistant, is it going to grow wild and take over [tracts of land]? The USDA [U.S. Department of Agriculture] controls the release of transgenic organisms and this is one criteria it looks at."

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