







Get ahead of the curve with hybrid fairway technology. Only from John Deere Golf.

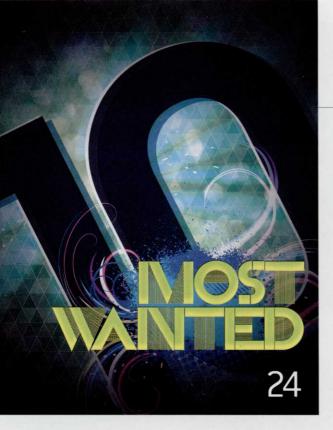
With the 7500 E-Cut Hybrid, you get a fairway mower that combines cutting edge technology and common sense. Hydraulic leaks in the reel circuit are a thing of the past. You can maintain it just like a regular mower. And you'll appreciate the lower decibels as well as saving on fuel.

There's never been a better time to put hybrid fairway technology to work for you. Demo a 7500E on your course or visit us at JohnDeere.com/Golf.









IN THIS ISSUE

DEPARTMENTS

- Teeing off My Brain on Tim
- 8 Letters
- The Whiteboard
- 77 Travels with Terry Equipment ideas
- 80 Classifieds
- 81 Ad index

COLUMNS

- Outside the ropes Tim Moraghan: The icemen cometh
- Game plan: Henry DeLozier: Maintaining momentum
- Johnny Turfnerd John Kaminski: 50 shades of green
- The Monroe Doctrine Monroe Miller: Dodging the bullet
- Irrigation issues Brian Vinchesi: Budgeting irrigation system improvements
- **Guest Column** Ron Dodson: Links to sustainability
- Design concepts Jeffrey D. Brauer: Tree planting - Golf Division
- Parting shots Pat Jones: Plum perfect





COVER STORY

24 10 MOST WANTED

Want to go far in this industry? The traits, skills and talents every superintendent should possess to get to the top.

FEATURES

0&A

14 PLAN B

David Pursell started FarmLinks as an ingenious plan to drive sales of his specialty fertilizer company - then he sold it. What's he doing now?

Workplace issues

SAFETY MATTERS

A golf course is no different than any other workplace. Workers must abide by safety procedures, and a safe environment must be provided for golfers.

Equipment

56 LOOK SHARP!

Superintendents share their sharpening and grinding tactics so that your colleagues will be green with envy about your greens.

Water

WATER ISSUES

Supers share their methods for clearing up their water problems and how they turn bad into good.

Equipment

TIER IV 70

As mower manufacturers prepare to roll out emission-compliant equipment, the industry provides some clarity on the impact Tier IV will have at the course level.

Analysis

DESIGN IT FORWARD

In his analysis, GCI's Bob Lohmann questions whether simplifying golf adds value and suggests that bunkers may hold the real key.



GOLF COURSE INDUSTRY (ISN 1054-0644) is published monthly. Copyright 2012 GIE Media Inc., 4020 Kinross Lakes Parkway, #201, Richfield, OH 44286. All rights reserved. No part of this publication may be reproduced or transmitted by any means without permission from the publisher. One-year subscription rate, \$33 in the United States, \$42 in Canada and Mexico, and \$88 in other foreign countries. One year foreign airmail rate: \$102. Two year subscription rate: \$65. Single issue rate, \$10. Subscriptions and classified advertising should be addressed to the Richfield office. Periodicals postage paid at Richfield, Ohio, and additional mailing offices. Postmaster: Send address changes to GOLF COURSE INDUSTRY 4020 Kinross Lakes Parkway, #201, Richfield, OH 44286. Canada Post: Publications Mail Agreement #40612608 Canada Returns to be sent to Bleuchip International, P.O. Box 25542, London, ON N6C 6B2





WHEN IT COMES TO FIGHTING TOUGH DISEASES,

TOUGHNESS IS A VIRTUE.

Nothing takes out tough diseases like Tourney* Fungicide. Superintendents can handle the toughest diseases throughout the season with *Tourney* in the tank. It's the go-to solution for controlling a broad spectrum of tough diseases. Learn more at www.valentpro.com/tourney.

Tourney
FUNGICIDE

Tough made easy.

ANTHRACNOSE | BROWN PATCH | SUMMER PATCH | TAKE-ALL PATCH | FAIRY RING |
DOLLAR SPOT | NECROTIC RING SPOT | GRAY LEAF SPOT | SNOW MOLD | OTHER PATCH DISEASES

MY BRAIN ON TIM

Pat Jones

Editorial director and publisher

arning: Spending two hours with Tim Hiers can make your head explode. A few weeks ago, I was in south Florida to speak on "career management in the new normal" to a great group of assistant superintendents from the Everglades GCSA. I had some extra time in my schedule, so I called my old friend Tim Hiers, CGCS, the legendary Naples-area super, and he graciously agreed to show me around The Old Collier Golf Club.

Now, unless you've been under a rock for three decades, you probably know Tim is not just a leader in environmental golf course management, he's been driving the pace car.

Moments after arriving at the club, I was in the passenger seat of his vehicle flying around the course, attempting (poorly) to take notes

on my iPad as we bolted from spot to spot to see examples of what his team has done.

Tim spewed statistics and metrics like an over-caffeinated Harvard business prof. In all the years I've known him, I've never once heard Tim say anything without backing it up with a seemingly unassailable fact. I'm fairly sure he has a photographic memory.

Due to Tim's rapid-fire

delivery and the fact we were going about 30 mph, my notes from our whirlwind excursion around Old Collier are a mess. He briefed me about Platinum paspalum, the tough-as-nails turf he helped Dr. Ronnie Duncan develop to cope with the poor water quality he deals with daily. His brackish water is so awful ("Second worst in the world behind a course in Dubai that irrigates with desalinized sea water.") that Toro Irrigation used what they learned at Old Collier to redesign some of their products.

He showed me the many wildlife corridors they've created around the course that are home to dozens of species...some endangered or threatened. We stopped numerous times to check out planted areas with vegetation from around the world, some of it personally selected and planted by our mutual friend Jan Beljan, the former Fazio golf course designer who doubles as a passionate landscaping guru.

In preparation for the rainy season, the course was closed and ripped up completely by aerification. We stopped to watch the process, including the demo of a potential new piece of equipment that would reduce the manpower required. Tim, as always, had done the math and knew that if the huge new vacuum performed as advertised it would pay for itself in 3.2 years (give or take a week).

The average Old Collier member is probably not that interested in the amazing things Tim has done to make the facility greener and leaner. However, his owners - the revered Collier family – are quite interested. They're committed to sustainability in everything their vast company does. It's simply part of the culture for them so Tim, who has arguably been the Old Tom Morris of sustainability in golf, is a perfect fit.

But what does "sustainability" even mean?

For Tim, it comes down to one simple thing...can it be replicated elsewhere? He ticks off dozens of small things he does to ensure all the little stuff has a big impact on the course. Each of them could work at nearly any other course.

But, off the course in his of-

install low-power lighting, find just the right ice machines and A/C units, reuse materials. Get this: his average electric bill for his entire maintenance facility is less than \$600 per month. He's so focused on energy savings he has Florida Power & Light on speed dial. Hell, they probably have him on speed dial to find out how he does it.

That's when it dawned on me. As I sorted through what he'd crammed in my cranium in 128 minutes, I realized my friend - a man consistently recognized as the Pied Piper of "greener golf" - isn't motivated by some lofty sense of environmentalism. He is - and I mean this in the nicest way possible - cheap.

He hates waste. He loathes using resources unnecessarily. He despises the unnecessary

old fashioned or Amish. Yet, it's one of our finest virtues. And, for a successful golf course superintendent, it's a core value. Think about



Serving the Business of Golf Course Management

Vol. 24 No. 5

GIE Media, Inc. 4020 Kinross Lakes Pkwy, 2nd floor Richfield, OH 44286 Phone: 800-456-0707 Fax: 330-659-0823

FUITORIAL Pat Jones

Publisher/Editorial director pjones@gie.net

Mike Zawacki Editor

mzawacki@gie.net

Bruce Williams Contributing editor Kule Brown

Associate editor kbrown@gie.net

Jim Black Contributing editor

SALES

Russell Warner National account manager 330-523-5385

Ted Schuld Account manage 216-236-5937

Bonnie Velikonua Classified sale 330-523-5322

Martha Corfman Manager, books 330-523-5366

Maria Miller Conferences manager

Jodi Shipley

Marketing coordinator 330-523-5373 330-523-5368

GRAPHICS / PRODUCTION

Andrea Vagas, Creative director Helen Duerr, Production director Heidi Clevinger, Production coordinator

CORPORATE STAFF

Richard Foster, Chairman and CEO Chris Foster, President and COO Dan Moreland, Executive vice president Kevin Gilbride, Business manager, GIE Ventures Kelly Orzech, Director, accounting Melody Berendt, Circulation director Irene Sweeney, Marketing Communications Manager

FDITORIAL ADVISORY BOARD Terry Buchen, CGCS, MG Golf Agronomy International

Raymond Davies, CGCS CourseCo

Tim Hiers, CGCS The Old Collier Golf Club

Laurence Hirsh Golf Property Analysts

Ted Horton, CGCS Ted Horton Consulting

Michael Hurdzan, Ph.D. Hurdzan/Fry Golf Course Design

> Mike Kriel The Brick Cos.

Joe Livingston, CGCS River Crest Country Club

Matt Rostal Interlachen Country Club

AGRONOMIC RESEARCH COUNCIL

Rob Golembiewski, Ph.D. Department of Horticulture Oregon State University

David Kopec, Ph.D. Department of Plant Science University of Arizona

> Dara Park, Ph.D. Pee Dee Research and Education Center Clemson University

John Stier Ph D. Department of Horticulture University of Wisconsin-Madison

Nathan Walker, Ph.D. Department of Entomology and Plant Pathology Oklahoma State University

Fred Yelverton, Ph.D. Department of Crop Science North Carolina State University

Golf Course Industry is a member of: Golf Course Superintendents Association of America National Golf Foundation Golf Course Builders Association of America The Irrigation Association Responsible Industry for a Sound Environment







fice is where his eyes seem to shimmer most brightly when he talks about everything he's done to conserve energy -

or the extra. He is - to put it simply - frugal.

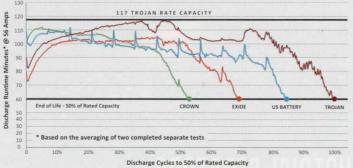
Frugality gets a bad rap. It sort of sounds it. Be like Tim. Be frugal...and prosper. GCI



COMPETITION... It Brings Out The Best In Us

Take our golf batteries for instance. At Trojan we don't just want to build good golf batteries. We want to build great ones! Batteries that knock out the competition! So we've devoted the heart and soul of our company to engineering the best battery on the market. But don't just take our word for it, let us prove to you why our batteries are the champions in the battery ring.

INDEPENDENT LABORATORY TESTING - 8V BATTERIES



Independent laboratory testing validates the sustained capacity and superior performance of Trojan batterio

See for yourself how competition brings out the best in us.

Visit www.trojanbattery.com/competition



Past presidents

Mr. Monroe Miller,

Like you, I have had the honor to have known and worked with many of the GC-SAA presidents over the years ("Presidents I Have Known," March 2012). Having served two years on the GCSAA BOD myself I know the time and dedication it takes to serve as GCSAA president and have a great deal of respect for all who have answered the call

Having the great privilege of being a chapter member of GCSANC, I also have had the honor to know and work with Cliff and Myrtle Wagoner for over 30 years. I was pleased that, as a GCSAA board member, I was able to help make sure Cliff got some recognition when he attended his 50th GC-SAA Conference several years ago. I thank you for calling for some recognition of the great effort Cliff and Myrtle have made to be at every GIS even though he has been retired for 25 years or more.

I shared your words from your column with Cliff and he was, as always, greatly honored that he and Myrtle were mentioned in your story. Cliff is very humble and certainly appreciates all the great support he and Myrtle have received from his GCSAA family over the years... especially over the past few years which have been a bit more challenging for

Thanks for the great story and keep up the good work.

Gary K. Carls, CGCS Past-President GCSANC 2000 Past-President CGCSA 2002 Golf Operations Supervisor Department of Public Works/Golf Division City of Sunnyvale, Calif.

Forced fed

Great article ("You Can Fix Stupid," April 2012)... too bad it was on the last page vs. the lead article... Plus, your last paragraph is so on point. Force me to eat your food by charging a minimum. If it were that good, the club would be on my eating rotation.

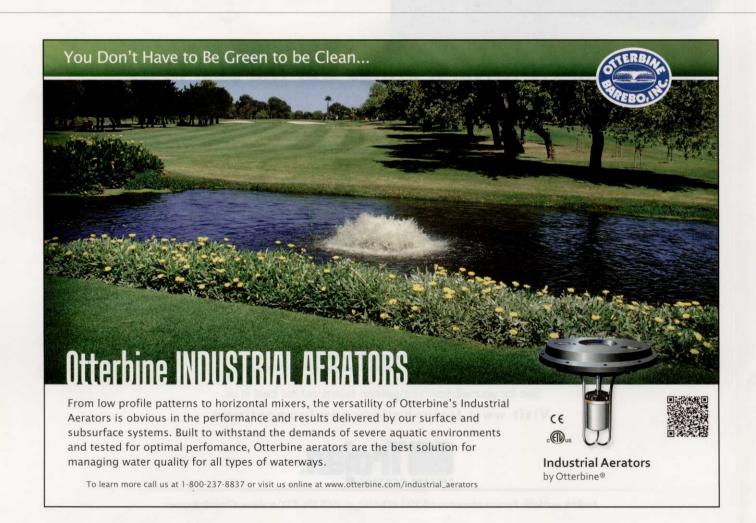
Mitchell L. Stump, CPA Palm Beach Gardens, Fla.

Got something to say?

Give us your feedback online! Send us an e-mail at gci@gie.net, connect to us on Facebook or on Twitter @GCIMagazine.

twitter

facebook







syngenta

It's a wash

Beryl might've been classified as a tropical storm when it hit the northeast coast of Florida in late May, but its downgrade as it lost power was exactly what it caused on the Dunes Golf Club: a depression.

As the storm weakened, it should've spent less time pouring rain on the course and surrounding counties, but it lingered long enough to put down 10 inches of rain, according to the National Weather Service.

So much water came down that it washed out several dunes and overwhelmed the drainage systems, uncovering and damaging pipes in the process, closing the course temporarily.

Course maintenance crews are still working to repair the damage, according to general manager

Jim Cocchi, but they should be wrapped up in time for a June 16 event.

Tropical storm Beryl wore down the Dunes Golf Club with more than 10 inches of rain, enough to wash out large sections of the course





GOING INTERNATIONAL

GCI's Pat Jones and Bruce Williams embarked on a whirlwind fact-finding tour of golf in Singapore, Bangkok and Tokyo in May, following the launch of the premier issue of GCI International.

As they traveled throughout Southeast Asia, Pat and Bruce kept us updated via Facebook and Twitter. Here are some of our favorite dispatches:

May 17- Got a great download from Alan Prickett, Jacobsen's golf market guru in Asia, at lunch yesterday along with Bruce Williams and Mike Sebastian. Key finding: the issues facing golf in most Asian countries aren't that different than the U.S. How do we get more people to play? How do you overcome competition for time? How do you revive courses associated with failed residential developments? Half a world away but the problems sound like home.

May 16 - Singapore is one of the most seductive places on earth. Yes, the hotel is marvelous but the people here are amazing. And lunch with Alan Prickett of Jacobsen was worth the trip. Beginning to get a hint of what GCI International can do in Asia, but pretty sure it's going to require lots more fact-finding junkets to completely figure out. :0)

May 15 - Woke up to a hazy sunrise in Singapore to find a golf course out my window.

