

LESS FERTILIZER.



LESS WATER.





It's been over 10 years since Tee-2-Green introduced the Penn A's & G's — the high performance bentgrasses that look and putt great, need less maintenance and save money. We were ahead of the curve then, and today the A's and G's remain superior. They are specified by architects and used by superintendents more than any other bentgrass.





Why Use Anything Else?

800-547-0255 • www.tee-2-green.com • bentinfo@tee-2-green.com



FEATURES

Environmentalist profile

20 THE ROAD LESS TRAVELED

Ron Dodson helped change the environmental path of golf over the past 20 years. Now he has his sights set on even bigger goals.

COVER STORY:

The future of private clubs

30 STAYING AFLOAT

With nearly 15 percent of clubs at risk, demographic and economic concerns challenge the segment to evolve or go under.

The future of private clubs

38 MEMBERSHIP MATH

Private golf clubs work to attract and retain members while balancing market forces.

RESEARCH

74 HONING IN ON HUMIC SUBSTANCES

Humic substances may not improve turf quality or reduce water or P fertilizer on putting greens.

IN THIS ISSUE

The future of private clubs 46 ARE UPPER-CRUST CLUBS IMMUNE?

Although some high-end facilities remain insulated, even the most upscale private clubs are finding they aren't immune to economic hardships.

Course management 52 SHOULD YOU GET A GOOSE DOG?

A border collie is an effective, humane way to rid your course of Canada geese. Here's what you need to know before taking on the responsibility.

Best practices

58

66

RECESSION? WHAT RECESSION?

Golf facilities defeat the economic downturn by giving people what they want.

Pesticide purchasing REALISTIC EXPECTATIONS

Difficult economic times force superintendents to rethink pesticide use.

Product focus: Greens rollers 87 ON A ROLL

Steve Van Natta has been preaching the gospel of rolling greens and he's making true believers out of his colleagues in southern Minnesota.

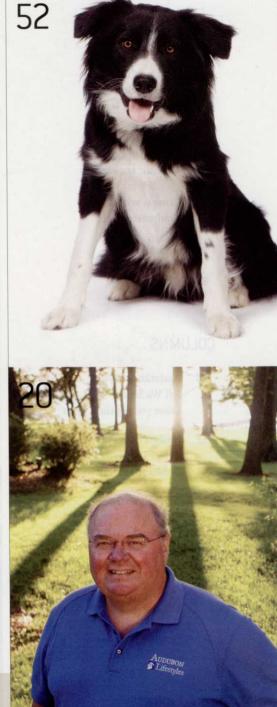
79 POA ANNUA IN REVIEW

The first in a two-part series looking at *Poa annua*. This month: it's origins, ability to self pollinate and behavior as a perennial.

GOLF COURSE INDUSTRY (ISN 1054-0644) is published monthly. Copyright 2009 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



golfcourseindustry.com



Did You Know?

The size of the golf economy is estimated to be **\$75.9 billion** – that's more than newspaper publishing (\$50.1 billion), performing arts and spectator sports (\$64.7 billion) and the motion picture and video industries (\$73.9 billion).

DEPARTMENTS

- 6 Teeing off Marisa Palmieri: Refuting "golf=bad"
- 8 Feedback
- 18 Consumer research
- 84 Travels with Terry Equipment ideas
- 88 Ad index
- 89 Classifieds

COLUMNS

- 10 Assistant's view Jeff Wichman: Leave your options open
- 12 **Design concepts** Jeffrey Brauer: Debating fairway widths
- 14 Irrigation issues Erik Christiansen: Answers for effluent water challenges
- 16 The Monroe doctrine Monroe Miller: A golf trip sans golf clubs
- 83 **Outside the ropes** Tim Moraghan: Triple play Q&A
- 90 **Parting shots** Pat Jones: All in the family

ON THE WEB – GOLFCOURSEINDUSTRY.COM

Items you can find online and in our weekly e-newsletter.

SHARE YOUR LESSONS

We're running a series of "Lessons Learned" articles from superintendents past and present who have life lessons or golf course maintenance-related stories to share. Read them online or e-mail yours to mpalmieri@gie.net.

LIST AN EVENT

Does your chapter association have an event to publicize? Get it listed at golfcourseindustry.com for maximum exposure. E-mail details to mpalmieri@gie.net.

CHECK THE LABEL

GCI's Web site features a number of useful tools and information – including a database of Material Safety Data Sheets (MSDS). To search for a label, visit golfcourseindustry.com/msds.

WEEKLY READER

The GCI weekly e-newsletter is the place to catch breaking news, industry updates and product information. To subscribe, visit golfcourseindustry.com/newsletter.



EDITORIAL MISSION STATEMENT:

Golf Course Industry reports on and analyzes the business of maintaining golf courses, as well as the broader business of golf course management. This includes three main areas: agronomy, business management and career development as it relates to golf course superintendents and those professionals responsible for maintaining a golf course as an important asset.



HONOR THE GAME.

WE HONOR THE GAME THROUGH OUR DEDICATION. At Club Car, our devotion to the game — and our customers — is reflected in everything we do. Build a relationship with us and discover how our creative business solutions can help you succeed. Please visit us at www.clubcar.com. Or call 1.800.CLUBCAR.



www.golfcourseindustry.com/readerservice - #11

REFUTING "GOLF = BAD"

Marisa Palmieri Senior editor

recently heard a story on NPR recounting the activities of Bear Stearns' former CEO Jimmy Cayne, who's responsible, in part, for the investment bank's downfall. The author of a new book, "House of Cards: A Tale of Hubris and Wretched Excess on Wall Street," gave listeners a glimpse at the indulgences of an archetypical Wall Street exec like Cayne. In addition to his \$28 million apartment and three-week-long jaunts to play in bridge tournaments, Cayne was a golfer. Every Thursday afternoon, he left the office by helicopter to play a round.

"Damn," I thought, because that's not the first time in the last few months I've heard golf used as an example of corporate excess. Chalk it up as another mark in the public's tally of "golf = bad" examples. Other recent additions to the list:

• Sen. Tom Coburn introduced an amendment to the American Recovery and Reinvestment Act (aka the \$790 billion stimulus bill) expressly excluding funding for golf courses.

 House Financial Services Committee Chairman Barney Frank scolded Northern Trust Corp. (which received \$1.6 billion in federal Troubled Asset Relief Program funding) for sponsoring the

Northern Trust Open at the Riviera Country Club in Pacific Palisades, Calif.

• Sen. John Kerry introduced a bill preventing any TARP-fund recipient from hosting or sponsoring conferences, parties and entertainment events. The bill would allow waivers for events "directly related to the operation of the business or at the discretion of the Treasury Secretary" (who presumably has nothing better to do besides yay or nay corporate outings).

That last bullet is the most troubling to me. And it's not because I don't think companies benefitting from taxpayer dollars shouldn't be held to a set of standards. What bothers me is Kerry completely missed the point when he justified the bill in a press release, saying, "Americans who play by the rules are losing their jobs and struggling to pay their mortgages... some companies clearly need a reality check to get their priorities straight..."

Kerry and the other politicians grandstanding against golf are the ones who need the reality check. They owe it to Americans to consider the deeper implications of their surface-level attacks on a given industry. When corporate sponsors pull back out of fear they'll be fingered for being fulsome, it's not the sponsors that take a hit. It's the industries who support these events that feel the effects – like ours, which generates a total economic impact of \$195 billion annually and supports 2 million jobs with wage income of \$61 billion.

Though it's easy to portray golf as elitist, the golf course industry is about as far from elitist as you can get. Just look at the faces of the wait staff at Any Club, the maintenance crew at Your Course Muni or the many vendors who make their livings servicing golf facilities.

It's not just jobs. The amount of annual charitable giving attributed to golf is estimated

at \$3.5 billion. When politicians shun golf, the stigma trickles down to local golf fund-raising efforts. Again, it's not corporate sponsors who are penalized. It's the neighborhood charity that won't meet its goal this year because it fears appearing elitist if it hosts a golf event.

Over the last decade, golf's leaders have begun to gather the data the industry needs to tell its story through the Golf 20/20 economic impact

reports. Sharing this information needs to happen at all levels of the golf course industry - not just among association leaders. They're doing a good job; they'll go to the Hill for the second annual National Golf Day on May 13. It's important the entire industry forces politicians and the public to see the real faces of the golf course industry - the cooks, servers, maintenance crew members and others - before they become part of the group Kerry referred to – the ones who lose their jobs and struggle to pay their mortgages. If golf continues to get a bad rap, facilities will continue to lose revenue, which quickly translates to layoffs. By the time your employees and coworkers join the unemployment line, it'll be too late to send the message that the golf course industry is about more than Thursday afternoon helicopter rides and greedy execs like Jimmy Cayne. GCI

Marisa Palmieri

GOLF COURSE

Serving the Business of Golf Course Management

Vol. 21 No. 4

EDITORIAL GIE Media, Inc

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

> Mike Zawacki Editor mzawacki@gie.net

Marisa Palmieri Senior editor mpalmieri@gie.net

ONLINE Cindy Code Director, interactive content ccode@gie.net

EDITORIAL 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

> Pat Jones Flagstick LLC

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

Environmentally Responsible Professional Turf, Landscape & Agricultural Products from The Liquid Fence[®] Company

Makes sense for the planet. Makes sense for your bottom line.

The Liquid Fence Company is proud to introduce EcoLogic,™ the next generation of eco-safe turf, landscape and agricultural products. Landscape professionals, turf specialists, horticulturists and commercial growers alike, will now experience the benefits of "going green" while enjoying the unparalleled service and economy they have grown to expect from the makers of America's best all-natural animal and insect repellents.

The Liquid Fence Company

Call (800) 923-3623 www.liquidfence.com pro@liquidfence.com

DIVISION

www.golfcourseindustry.com/readerservice - #12

FEEDBACK

E-mail us at gci@gie.net with your thoughts and opinions.

Crass column?

In my opinion, Pat Jones' column in your February 2009 issue ("Here's your sign," page 74) did a disservice to your publication. I felt his crass attempt at humor was more appropriate to a barroom discussion with the eight or nine guys who can always be found at the hotel bar during educational sessions at the GCSAA Conference. Pat may still be able to find these guys at the bar, and if he does, they will have a great conversation. As for the rest of us, we professionals have long since surpassed Pat Jones and his lame attempts at humor.

We'd like to

hear from you.

Dennis Lyon, CGCS Manager of golf City of Aurora, Colo.

A round of thanks

Thanks to Marisa Palmieri for mentioning Rounds4Research.com in an article in the February issue of GCI ("Taking research for granted?" page 6). The positive message



April 22 NGF'S GOLF BUSINESS SYMPOSIUM

THE PENINSULA HOTEL Chicago www.ngf.org/cgi/symposium.asp or call 561-744-6006

May 1 - 5

ASGCA ANNUAL MEETING

Grand Hyatt Seattle www.asgca.org or call 262-786-5960

May 4 - 5 63RD ANNUAL SOUTHEASTERN TURF-GRASS CONFERENCE

University of Georgia Tifton Campus Conference Center www.ugatiftonconference.org or call 229-386-3416 regarding our program was well received and actually helped increase Web traffic. Many thanks.

Tim Kreger Director of programs Carolinas Golf Course Superintendents Association Liberty, S.C.

Well done

Saw your article on Barona Creek Golf Club and their admirable work in water and energy savings, and other environmental benefits ("Scaling back," page 30, March issue). Very well composed story. You really do have superior layout, photography and writing than other comparable magazines. Keep up the good work!

Todd Eckenrode Principal Origins Golf Design Irvine, Calif.

May 4 - 5 GOLF BUSINESS FORUM 2009

The Celtic Manor Resort Wales www.golfbusinessforum.com or call + 36 (1) 887 73 71

May 30 - 31 GEORGIA GCSA SUMMER CONFERENCE & GOLF CHAMPIONSHIP Jekyll Island Club, Jekyll Island, Ga. www.ggsca.com or call 706-376-3585

Aug. 10 - 16 GCBAA SUMMER MEETING Hazeltine National Golf Club, Chaska, Minn. www.gcbaa.org or call 402-476-4444

For a complete calendar listing, visit golfcourseindustry.com/events/

GOLF COURSE

Serving the Business of Golf Course Management

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

Kevin Gilbride Group publisher 330-523-5368

Amee Robbins Account manager, West Coast 310-546-6060

Dave Szy Account manager, Northeast 330-523-5338

Russell Warner Account manager, Southeast 330-523-5385

> Bonnie Velikonya Classified sales 330-523-5322

Jami Childs Manager, books 330-523-5351

Maria Miller Conferences manager 330-523-5373

GRAPHICS / PRODUCTION

Mark Rook, Creative director Andrea Vagas, Managing art director Helen Duerr, Production director Samantha Gilbride, Production coordinator

CORPORATE STAFF

Richard Foster, Chairman and CEO Chris Foster, President and COO Dan Moreland, Executive vice president Jami Childs, Director, business resources and IT Kelly Roop, Manager, accounting department Melody Berendt, Circulation director

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





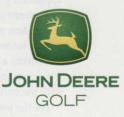
95672

Hydraulic leaks don't run in this family.

Introducing three new E-Cut Hybrid Fairway Mowers.

With electric reel motors instead of hydraulic lines, there's almost no possibility of a hydraulic leak. Based on proven technology, these mowers also offer a consistent frequency of clip, lower fuel consumption, quieter operation, and the convenience of new Quick Adjust 5 cutting units. Ask your John Deere Golf distributor for a demo of the 7500, 8500, or the highly maneuverable three-wheeled 8000 E-Cut Hybrid. And see the confidence going electric can generate.

www.JohnDeere.com • 800-537-8233



Jeff Wichman is an assistant superintendent at Patty Jewett Golf Course in Colorado Springs, Colo. He can be reached at jwichman@springsgov.com or 719-385-6942.

LEAVE YOUR OPTIONS OPEN

Ve had the privilege of working on each of the "big three" types of courses: a resort, a country club and a municipality. The experiences and knowledge I gained have proven to be invaluable. I often hear recent turf school graduates say they only would consider working on a resort course, country club or tournament course. This narrow-mindedness closes doors before they even open. Each type of course offers a wealth of benefits. By considering all options, they could find themselves in a beloved position.

I started my golf career at The Broadmoor Hotel and Golf Club in Colorado Springs, Colo., in 1995. It was host to the 1995 U.S. Women's Open, under the direction of Tommy Anderson, CGCS.

I was a fish out of water running the East Course and Broadmoor grounds irrigation. There was more than enough work to go around and I never had a dull day. Because it's the lifeblood of a course, irrigation is a great place to start a golf course maintenance career. I spent only a year at the resort, but what I learned in that short amount of time made my other golf positions a piece of cake. I still reminisce about my days at the Broadmoor whenever I'm installing, troubleshooting and digging up those nasty leaks that cover you in mud from head to toe.

The Woodmoor Pines Country Club in Monument, Colo., was the next rung on my career ladder. There I worked directly with Scott Kresenbach, CGCS, and again irrigation was my main focus.

Woodmoor's irrigation was unique. The front nine was a block system and the back nine was a normal open hydraulic system. The normal open hydraulic system kept us all very busy. The other great challenge was dealing with the board of directors and the newly appointed greens committee chairman. It seemed every new greens committee chair had his or her own agenda. Some ideas would benefit the course, but many served special interests. Dealing with the different personalities within a country club is demanding. I'm sure there's not a country club superintendent alive that's pleased with the entire membership.

For the past seven years, I've happily been at Patty Jewett Golf Course, which is owned by the city of Colorado Springs. It's a 27-hole facility established in 1898, located in the heart of the city. When I accepted the job I realized the course probably never would host a major event. However, it was the city's entire package that helped me recognize that it was the right decision for my family and me.

This position has been rewarding because working on a high-quality, city-owned course has many pluses. There are, of course, many challenges at a public course. Joe Public is at the top the list. There are all types of patrons that come through the door.

The gates open at 6 a.m. in the summer, and they're teeing each nine at 6:07 a.m. By 10 a.m., all three nines are packed. Like so many golf courses, the mornings are extremely busy for the maintenance staff. If one employee calls in sick, or if a unit has mechanical trouble, we play catch-up all day. The public waits for no one. Additionally, the irrigation system is the top priority. No matter how hard you try – that's one thing you can't escape.

Because it's the lifeblood of a course, irrigation is a great place to start a golf course maintenance career.

I've failed to mention that the pump station is the best way to learn a lot in a short time.

When the pump station technician shows up, watch him and ask a lot of questions. He'll usually share valuable information with you. Most of the time, he'll provide basic troubleshooting techniques that you can perform before he makes a trip to your course. In my area, the pump station technicians are spread pretty thin, and the pump usually likes to fail in the heat of the summer when no rain is in the forecast. Having some pump station knowledge helps you out in these circumstances.

Based on my experiences, I'd recommend college students take internships at different types of courses and assistants be open-minded about different types of facilities. Your opinions of the different types of facilities may change, but even if they don't, at least you've experienced all sides of the golf course industry.

Keep your options open and you'll be surprised about what you'll learn. **GCI**