



THE NEWSLETTER

of the **Golf Course Superintendents Association of New England, Inc.**

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President's Message- June 2016

Dear fellow GCSANE members:

I hope the 2016 golf season is going well for all of you so far. It appears the weather has been quite cooperative this spring and by most accounts our membership is experiencing a great 2016. With our season nearing the midpoint, I have a few important items to communicate to you.

First off, I am very happy to announce the GCSANE board has recently promoted Don Hearn to the Executive Director's position for GCSANE effective June 1, 2016. One could fill pages with accolades for Don and all of his contributions to GCSANE. Instead I'll keep it simple and pass along a well deserved congratulations to Don on behalf of the board of directors and the entire GCSANE membership. Don has certainly earned it as he continues to raise the bar for us on a daily basis. We look forward to continuing our long relationship with Don as the association has grown and prospered immensely under Don's careful watch and guidance.

Secondly, on the heels of our recent bylaw overhaul the bylaws committee headed up by Bob Healey has reconvened to address and update our code of ethics. In short, this document had been removed from our bylaws as it was not a governance item, but instead its own stand-alone document. The committee has reviewed, edited, and streamlined where necessary to remove redundancies and obscure language from the document, much like they did with the bylaws. One major change you'll notice is the substitution of the word "member" for "superintendent" so as to include all classes of members in this important document. In short, the code of ethics is a summary of association guidelines which helps identify and encourage positive relations within our membership.

Recent golf events held at Olde Scotland Links and Franklin CC were well attended as GCSANE joined forces with both the Cape Cod and Rhode Island superintendents for our first two golf events of the year. Attendees at both meetings were treated to a couple great days of golf and camaraderie. We thank you for taking time out of your busy schedules to join us at these events and hope the trip was well worth your time and efforts.

Best Regards,
Michael D. Luccini CGCS

GCSANE President

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Thoughts From Your Association Manager by Don Hearn



*Steve Troutman left,
Mike Smith*

and playing golf with Steve and Mike was a pleasure. Close to 100 people joined in the fun and camaraderie during this annual event. Kudos to Elaine Gebhardt, the Executive Director of the NEGCOA, and all who helped make the day such a success.



Paul and Sally Miller

The commercial sector of our industry. Many companies support the event not only with donations, but also support groups of players at the event. Their support is truly appreciated. A person who deserves special recognition is Shaun Barry. Shaun is the "official" "unofficial photographer" of the event. He has taken hundreds of photos and has sent these to friends, players and people associated with the event. Shaun is a person who always has a smile and a kind word for everyone he meets. Thank you Shaun.

Atlantic
golf & turf



Adam Moore

I had the opportunity to attend the Massachusetts Golf Association's Media Day held at the Worcester Country Club last month. In addition to a history of the club and course, and an introduction to key players and host staff, Alan Moore, Superintendent had the opportunity to present an update on course conditions and what the players will contend with during the Massachusetts Open. The recent class of inductees to the Massachusetts Golf Hall of Fame was announced by Tom Bagley, MGA President. The inductees this year are Bob Crowley, Bill Flynn, Joe Lazaro (uncle of Joe Lazaro, a member of the GCSA of New England), Anne Marie Tobin, Frank Vana, Jr., and Herbert Warren Wind. The induction gala will be held October 13, 2016.

The May meeting of the Association was a joint meeting with the Rhode Island GCSA. It was played May 23, at the Franklin Country Club in Franklin, MA. The players were treated to a beautifully conditioned course managed by GCSA of New England President, Mike Luccini. Mike and his team had put in a lot of time getting the course to the point where they were happy. Based on the positive comments by all who played, the effort was well worth it. Thank you to Mike and assistants Craig Resley, Tim Kaija and Mark MacDonald and the entire Franklin team for all you did to make it a memorable day. In addition to the meeting, a presentation was made by Donna Walsh and Vin Cahill of the Highland Financial Group detailing the value of planning for the future.

N.E.S.S.



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GCSAA Update by Kevin Doyle



How did you get introduced to the wonderful game of golf? Think about it for a second. There was probably someone that opened your eyes to this great game. Golf offers so much beyond just the competition of the sport. The environmental, exercise, economic, and charitable benefits collectively are unmatched by any other sport. Whether making friends or enjoying the opportunity to learn

life lessons, golf is more than just a game, it's tremendous learning opportunity for young people.

18 year GCSAA Member Frank Tichenor at the Forrest Hill Field Club, Bloomfield, NJ, reached out to me in the fall of 2012 asking about golf course programs available for school groups. After communicating with Northwest Field Staff David Phipps, we directed Tichenor to The First Green Foundation of Bellevue, Washington. They have developed a learning program including a packet containing simple science based experiments designed for use at a golf facility based on the STEM learning system (Science Technology Engineering and Math).

The results of all Tichenor's efforts culminated that following spring when 40 fifth graders from Clifton public school #16 arrived for a field trip. The students were exposed to many environmental aspects of the course such as pond management, wildlife habitats, and weather station use. Cultural practices, including an aeration demonstration, were discussed as a part of agronomic practices, and highlighted the result of improved plant health. Tichenor has continued this First Green field trip every year since.

The First Green estimates each student would reference golf between 30-40 times because of the experience they have in one day at a golf facility. That's moving the needle! Maybe one day, these New Jersey students will look back at their career in golf and point to their field trip to the Forrest Hill Field Club as their answer to how they got into the golf industry. Have you ever thought about conducting an event such as this at your facility?

Tichenor referred to his inaugural First Green Field trip as "one of the best days I have ever spent on a golf course." Have you had your best day ever yet?

How can you become involved in First Green and growing the game? Maybe you have a school near your facility, a teacher as a member/patron or on your summer staff. These are excellent opportunities to pursue, as developing a relationship with the school is clearly the hardest part.

If you would like assistance with a First Green effort at your facility, please feel free to reach out. Let's grow turf and the game of golf!

For more information about the First Green Foundation visit their website: The First Green: www.thefirstgreen.org

GCSAA Resources and Deadlines

you Get Cool Stuff from your Association Already:

Getting Ready for the New Department of Labor Overtime Rules:

On May 18, the Obama administration announced that it will raise the salary threshold for overtime pay at the end of 2016. When the Department of Labor's new regulation goes into effect on Dec. 1, millions of workers making less than \$47,476 a year will be entitled to overtime pay at time and a half, regardless of title or duties.

PUT THIS IMPORTANT JUN 29th WEBINAR ON YOUR CALENDAR NOW: Details here

Col. John Morley Distinguished Service Award

The GCSAA Col. John Morley Distinguished Service Award (DSA) is presented annually to an individual or individuals who have made an outstanding contribution to the advancement of the golf course superintendent's profession. The contribution must be significant in both substance and duration, and may be, or have been, regional in nature. Individuals must be nominated by a GCSAA member, an affiliated chapter or a qualified golf association. The nominee must not have been a recipient of this award in the past 10 years. The award was first presented in 1932 and has been presented annually since 1975. The GCSAA Board of Directors selects the recipients of the Distinguished Service Awards during its fall board meeting. The award is presented during the annual Golf Industry Show.

Nominations for the 2017 DSAs are open through July 31, 2016.

Call for nominations

on behalf of Keith A. Ihms, CGCS – 2016 GCSAA Nominating Committee Chairman

The following offices will be up for election for the GCSAA Board of Directors at the 2017 Annual Meeting in Orlando, Fla.:

- President
- Vice president
- Secretary/treasurer
- Director (three positions)

The deadline for nominations for the 2017 GCSAA Board of Directors is July 1, 2016.



Calling all Dogs!!!

Submit a photo by Aug. 1, 2016 to share your best friend with the world! From the submissions, 14 dogs will be selected. The winner's owner will receive a \$500 prize and \$3,000 for his or her GCSAA-affiliated chapter. A \$1,000 charitable donation will also be made by GCSAA and LebanonTurf in honor of the winner.

Be stop by LebanonTurf's booth at the Golf Industry Show next February in Orlando to place your vote for 2017 Dog of the Year.

Upcoming FREE webcasts:

June 29: Getting Ready for the New DOL Overtime Rules

June 30: Cutting Units in the 21st Century -
Equipment Management Series

July 12: New Coating Technology & Golf
Course Seed Applications

Aug. 30: Planning a Snow Mold Prevention Program

Again, if I can be of any assistance, please feel free to contact me.

Kevin Doyle
GCSAA Field Staff
kdoyle@gcsaa.org

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Phosphorus Reduction in Lakes and Ponds

By Shannon Junior, Aquatic Ecologist, SOLitude Lake Management

“Nutrient Management” has become an ubiquitous term in the golf course industry. Environmental concerns about excess nutrients leaching into groundwater or running off into surface waters have plagued the industry for years, and have led to an industry-wide dedicated effort to improve turf management practices and fertilization programs. Government restrictions on fertilizer applications have become more extensive, and the emphasis on nutrient management continues to grow. The use of written Nutrient Management Plans has become more widespread, and more sustainable practices are being implemented to secure the status of golf course managers as environmental stewards.

There is no denying the fact that excessive nutrients can have deleterious effects on our ground and surface water. As an Aquatic Ecologist and Lake Manager, I deal with the implications of nutrient loading on a daily basis. Lakes and ponds with increased nutrients often suffer from cyanobacteria and algae blooms, surface biofilms, dense submersed plant growth, and related oxygen depletion. Reducing nutrient inputs to waterbodies and mitigating the effects of nutrient loading are the key factors in successful lake management programs, with phosphorus being the primary nutrient of concern for our industry.

Lakes and ponds are central features of most golf courses. Not only are they beautiful accessories to the landscape, but they are also critical sources of irrigation water. They provide habitat for birds and other wildlife, and serve as obstacles to challenge golfers. The ponds need to be maintained in an aesthetically pleasing state, with water quality that is conducive to irrigation and free of vegetation that will continually clog the intakes.

There are few scenarios more challenging to a lake manager than the restoration of the ecological health and aesthetic integrity of an impaired golf course irrigation pond. The most obvious difficulty is the restriction on the herbicides that can be used for treatment of submersed and floating nuisance aquatic vegetation. For many of

the species that we find the most difficult to control, the herbicide of choice would be one that is not safe to use in irrigation water without damaging the receiving turf and ornamental vegetation. Another complication is that while the ponds are an important component of the golf course, the majority of the course management budget is allocated to the essential maintenance of turf. For our golf course clients, we need to focus on sustainable and cost-effective strategies that will allow them to meet their goals for both their ponds and their turf.

Nutrient management is as much of a challenge in the lake management industry as it is in the golf course industry. Integrated Pest Management Plans for nuisance aquatic vegetation control include strategies to prevent nutrients and sediment from entering waterbodies in the first place. Filter strips of turf or dense buffers of native vegetation are recommended around the shorelines of lakes and ponds to filter runoff. Because the water level in irrigation ponds can fluctuate so dramatically, shoreline stabilization is particularly important to prevent erosion of the soil and the associated nutrient loading. However, preventive strategies have little effect on ponds that are already impaired, and mitigation efforts within the pond are required to reverse the effects of long-term eutrophication.

There are many successful methods for removing phosphorus from a pond once it has accumulated there. Obviously, mechanical dredging to remove the unconsolidated sediment layer is the most direct mitigation strategy, although the process is highly disruptive and extremely expensive. Aeration can be used in concert with naturally occurring or inoculated beneficial bacteria to accelerate the decomposition of organic matter and prevent the accumulation of excess nutrients. However, very little phosphorus is required to support algal blooms, and it is unlikely that these strategies alone will be sufficient to mitigate phosphorus loading in severely impaired ponds.

The application of aluminum salts (alum) has been used for over 30 years to remove phosphorus from the water column and

control its release from the sediment. This method of phosphorus inactivation can actually reverse the effects of internal and external nutrient loading and in some situations provide decades of improved water quality. Alum is an acidic compound; therefore, higher phosphorus inactivation doses in waterbodies with a low natural buffering capacity (alkalinity) can impact ambient pH. In these situations, an additional buffering agent is typically applied in conjunction with the alum in order to maintain stable pH levels. Also in smaller shallower ponds where this risk can be greater, partially hydrolyzed aluminum compounds (polyaluminum chloride) can be used to reduce the treatments impacts on pH. In addition to the use of alum, excessive phosphorus can also be managed using a relatively new lanthanum based product that consists of a lanthanum modified bentonite clay. This pelletized product can be applied to the water surface as a granule or a slurry to bond with free reactive phosphorus. The lanthanum adsorbs phosphate molecules to form a mineral called rhabdophane, which is extremely stable and unlikely to allow the release of the phosphorus under typical field conditions. Similar to alum, any unreacted lanthanum settles to the bottom of the pond to form a permeable layer that will continue to bond and sequester phosphorus as it releases from the sediment.

Like all lake and pond management techniques, the use of alum or lanthanum is dictated by the overall management goal and the site specific conditions. The primary differences between the two techniques is that lanthanum binds with only free reactive phosphorus while alum binds with phosphorus and other particulates suspended in the water column (sediment particles, algae cells, etc). Also the application of lanthanum does not impact pH in the same way that alum does. These individual characteristics need to be considered prior to implementation, but in some cases can be used to further the specific management goals of the system.

In order to implement an effective phosphorus mitigation plan using either strategy, it



is essential to have a good understanding of the water quality as well as the water and sediment phosphorus fractionation. Ideally, sampling should be conducted in the absence of an active algae bloom to establish a baseline for water quality/chemistry and to calculate the total amount of phosphorus in the waterbody. To the extent possible, it is also helpful to understand the breakdown of the internal and external phosphorus load to the system, as this information will provide insight into the applicability of the technique and the most appropriate dosing strategy (repeated low dose treatment vs. higher dose sediment inactivation).

Based on the water quality and sediment data, the calculated dose of either alum or lanthanum can be performed all at once, or it can be phased over multiple years to compensate for budgetary or other site specific considerations. Since most of the phosphorus in a waterbody has accumulated over many years, it is an acceptable strategy to stage the mitigation over several years. Once the internal phosphorus concentration is mitigated, periodic maintenance applications may be necessary to account for external phosphorus inputs from the surrounding watershed. However, the mitigation plan is implemented, the results will help create conditions that are less likely to support undesirable levels of microscopic algae growth and overall improved water quality.

Nutrient management will continue to be a critical issue in both the golf course and lake management industries. While it is true that improved turf management practices, fertilization programs, and integrated pest management strategies can reduce the inputs of nutrients to our surface waterways, eutrophication is an ongoing natural process that can be slowed but not completely prevented. It is promising, however, that there are mitigation techniques available to lessen the impacts associated with the non-point source nutrient enrichment that ultimately accelerates the eutrophication process and the impairment of our surface water resources.

Shannon Junior is an Aquatic Ecologist with SOLitude Lake Management, an environmental firm providing full service lake, pond, and fisheries management services throughout the United States. She can be reached through the website, www.solitudelakemanagement.com.

Before:



A golf course pond covered in filamentous algae due to excess phosphorous in the water.

After:



The same pond, now healthy after treatment for phosphorous reduction.

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What Your Handwriting Says About You

by Don Hearn

Holiday cards. Dinner menus. Thank you notes. Wedding invitations. Yes, you can have them printed professionally, or zapped out on a printer or (not cool at all) e-mailed.

Unfortunately, in an age when all of the writing many of us do is typed out on a computer or a tiny phone, the art of handwriting our personal correspondence is becoming a novelty.

But our handwritten works are more than just simple means of communication or things that just look elegant. They're avenues of expression that convey how we feel and who we are in words and, as it turns out, in the handwriting itself.

"Handwriting is really a compilation of everything you've ever experienced and the way you've reacted to it," says handwriting expert Sheila Lowe, author of "The Complete Idiot's Guide to Handwriting Analysis" and president of the American Handwriting Analysis Foundation. "It all comes out in your writing."

Lowe stresses that true handwriting analysis doesn't yield complex psychological profiles derived from five words someone scribbled on a page. "I can't just point to a stroke and say 'this stroke means that you're a victim,'" she says. "You have to look at the whole picture".

Still, Lowe says there are some broad trends that emerge from certain elements of one's writing. "The handwriting of somebody who has a lot of fears and anxiety is much more narrow — it pulls back," she says. In contrast, "somebody who's really outgoing and friendly and happy-go-lucky, their handwriting is going to be more expanded."

So as you embark on your little handwritten DIY cards, letters, artwork projects, you may wonder what messages your writing might be sending to the world. So we asked Sheila to tell us what our handwriting is saying about us.

People who know what to look for can tell your mood just by looking at your handwriting.

Looking at handwritten party or wedding invitations can tell lots of things about the host's festive mood. The handwriting of a host who's feeling fun and frivolous, for example, "would be on the larger side — larger than medium which is 3 mm high," says Lowe. "It would be more round and probably have somewhat inflated lower loops in their lower-case g's, y's and f's."

You can also look at the size and slant of the writing — two attributes, Lowe says, that vary according to our moods. "If you're feeling sad or contemplative, then the writing tends to get smaller — it's like you want to disappear," she says. "If you're feeling happy and expansive your writing may get bigger and lean more to the right," which Lowe says indicates leaning towards other people.

Your handwriting provides a window into your personality.

Handwriting may indicate more than mood, which can vary day to day. It can also provide a window into the very personality of the writer.

"Somebody who has a lot of swirls and loops might be someone who wants to draw attention to themselves," says Lowe. "Usually people who have a lot of self confidence don't need all that stuff. They keep things fairly simple."

Lowe says your writing can also reveal how smart you are. "Highly simplified writing is a sign of intelligence," she says. "If you have a lot of elaboration then the appearance is more important than the message."

Your letter may contain a hidden message in your signature.

With handwritten notes, compare the signature with the rest of the writing on the note. Is the signature similar to the rest of the page? "The signature is like the cover on a book; it tells what you want to project to the world," says Lowe. "Whereas the rest of the writing is going to tell the truth about what's inside the book."

And that makes things interesting when the signature looks different from the rest of the letter. Suppose, for instance, the signature is larger. "It says they may be one to project themselves as much more confident than what they feel inside," says Lowe. In contrast, someone who writes bigger and has a smaller signature "may want to look more humble than they really feel."

Graphologists claim that your handwriting can reveal clues to your personality. See if any of these predictions ring true for you.

Small handwriting is associated with being studious, shy, meticulous and concentrated. Large handwriting is associated with being an outgoing, attention-loving person. Average handwriting is associated with being well-adjusted and adaptable. Wide spacing between words means you enjoy your freedom. It also means that you don't typically enjoy large crowds and you don't like to be overwhelmed. Narrow spacing between words means that you can't stand to be alone and you tend to crowd people.

Having rounded letters is typically associated with being artistic or creative. Having pointed letters can mean that you are intense, intelligent, curious and aggressive. People who write with connected letters are associated with being logical and systematic.

Crossing the very top of the "T" generally means that you have good self-esteem, are optimistic and ambitious. Crossing the middle of the "t" generally means that you are confident and comfortable in your own skin.

Leaving open letters (like not closing an 'O') typically means that you are expressive, social and talkative. Writing a closed letter 'O' means that you are a private person and an introvert.

If the dot on your 'i' lands high above the letter, you are considered to be imaginative. If your dot lands to the left of the letter 'i,' then you might be a procrastinator. If the dot is perfectly over the 'i,' you are considered to be detail-oriented, empathetic and organized. If the dot of your 'i' has a circle, then you are considered to be a visionary or 'child-like. If the dot looks more like a slash, then you might be overly self-critical.

So ... what does your handwriting say about you?



Divot Drift

Our condolences are extended to the Moffett family on the passing of Mary Moffett on June 7, 2016. Mary became a friend and familiar face to many of us after her husband, Steve Moffett, passed away and Mary became very active with the S.V. Moffett Company. Please read the message below from MTE.



It is with deep regret that we inform you of the passing of Mary Moffett. As the owner of MTE, Inc.'s predecessor, the S.V. Moffett Company, Inc., Mary established many friendships throughout the industry. Mary retired from the industry and sold the assets of the S.V. Moffett Company, Inc. in February of 2010.

You can find Mary Moffett's obituary below. Our thoughts and prayers go out to her family and friends.

[Obituary for Mary Moffett](#)

Our condolences are extended to the Lucas family on the passing of Melvin B. Lucas III on May 27, 2016. Mel was the son of Melvin B. Lucas, Jr.

Mel Jr. is known to many of us as a Past President of GCSAA, a friend to many in the business and a retired superintendent from Long Island, NY. Mel and his wife Louella live in South Dartmouth, MA. Mel's son worked at Quail Hollow in Acton and other clubs in the area.

May Tournament Results:

Franklin Country Club - May 23, 2016

Host: Michael Luccini, CGCS

Joint meeting with the Rhode Island GCSA

1st Gross: 71 Matt Lapinski, Ron Dobosz

1st Net: 66 Keith Tortorella, Chris Coen

2nd Net: 68 Dan Ricker, Dana Dubois

3rd Net: 69 Tim Hood, Ron Kirkman

4th Net: 69 Henry Olstynski, Matt Emond

Alumni Turf Group Tournament Results:

Joseph Troll Turf Classic - May 16, 2016

Pinehills Golf Club - Host: Joe Felicetti, CGCS

Honoring: Paul Miller, CGCS

**1st Place: 140 Match
of cards**

Matt Lapinski

Eric Strzepek

Tim Kurr

Pat Meehan

2nd Place: 140

Dan Fuller

Tom Hoffer

Jim Santoro

Paul Jamrog

3rd Place: 140

Steve Murphy

Rick Arzillo

John Lenhart

Arthur Silva

Closest to the Pin

Hole 4: David Beauvais

Hole 7: Greg Barker

Hole 14: Mark Gagne

Hole 17: Tony Grasso

As in the past, *The Newsletter* continues to invite Affiliate members to submit a press release about new personnel, new products or a company bio. We will print each and every release **free of charge**. This is a great way to advertise for free. Who said nothing in this world is free? Free advertising to better your company, wow what an offer.



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at the Plant Science Research and Education Facility in Storrs, Connecticut



For more information and to register, visit

www.regonline.com/turfgrassfieldday2016

The 2016 Turfgrass Field Day at the University of Connecticut offers exciting educational opportunities for turfgrass professionals of all levels.



The date of the Field Day has been selected in order to provide the best

opportunity to view the research plots when they are under the greatest summer stress. Cutting edge research in the areas of lawn care, sports and golf turf management will be presented.

Attendees will have an opportunity to discuss ongoing research and management concerns with the UConn turf team. In addition to seeing the latest



research results, turfgrass professionals have the opportunity to interact with exhibitors and discuss the latest developments and challenges in the industry.

AGENDA:

7:30	Registration opens/continental breakfast
7:30-8:45	Visit with exhibitors
8:45-9:00	Welcoming remarks
9:00-11:30	Guided tour of research plots
11:30-12:00	Visit with exhibitors
12:00- 1:00	Lunch
12:30	Ice cream social with exhibitors in vendor section
1:00-3:00	Visit with exhibitors
1:30-2:30	Afternoon Workshops (Separate registration required)
	<ul style="list-style-type: none"> • Handling and Field Application of Beneficial Nematodes • Sustainable and Pesticide-Free Turf Management • Turfgrass Disease Identification and Management Walking Tour
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