



THE NEWSLETTER

May - June 2024

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

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1281 West Roxbury Pkwy. Brookline, MA 02467
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5 Deerfield Road Plainville, MA 02762
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brianskinner@bellevuegolfclub.com

EXECUTIVE DIRECTOR

Donald E. Hearn, CGCS
300 Arnold Palmer Blvd., Norton, MA 02766
774-430-9040
donhearn@gcsane.org

NEWSLETTER EDITOR

Ryan Boudreau
Framingham Country Club
5 Deerfield Road Plainville, MA 02762
508-424-8563
ryboudreau@gmail.com

GCSANE Headquarters

300 Arnold Palmer Blvd., Norton, MA 02766
Tel: (774) 430-9040
Web Site: www.gcsane.org

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A Message from the GCSANE President **Eric Richardson**

Dear Member,

I hope this newsletter finds you well and in good spirits. It is hard to believe that 2024 is half over, and we are in the middle of the peak summer golf season. Time continues to march on no matter how large our individual “to-do lists” become.

Instead of harping on one topic with the post, I wanted to highlight a few thoughts that have been bouncing around the sometimes-empty space between my two ears, and I hope they will resonate with you.

National Golf Day in Washington, DC

I was privileged to attend National Golf Day in Washington, DC, from May 8th to 10th.

National Golf Day, an annual event organized by the American Golf Industry Coalition, was a resounding success. It united three hundred industry leaders, turfgrass managers, golf course owners, and policymakers to discuss the indispensable role of golf in our communities. We seized the opportunity to champion the game we hold dear, underscoring its economic, environmental, and social benefits.

During the event, I participated in various meetings with Congress members or their staffers, sharing insights on how golf courses contribute positively to the economy and the environment. Seeing our community's and lawmakers' commitment and enthusiasm was inspiring. No matter your political affiliation, witnessing the hard work of the DC staffers and our group firsthand leaves a lasting and positive impact. You should put this on your career bucket list. I guarantee you will make an impact by attending.



GCSANE Golf Events

As we reflect on our recent GCSANE events (one played and one canceled due to weather), attendance/signup numbers continue to be lower than we want. This isn't a new issue; there are no quick fixes, and every chapter seems to grapple with the same problem. The good news is that our marquee event, the S&B, continues to be supported, and we expect that to continue this year at The Country Club in October. Excluding the S&B, these events are crucial for networking, professional development, and commodore. Still, we must increase the number of Superintendent and Assistant Superintendent attendees for some of these events to carry on.

We have a longstanding and ongoing evaluation process for each event and will examine our 2025 schedule closely before announcing it at the annual meeting. If an event isn't adequately supported, we must consider allocating those resources to other endeavors that benefit the membership.

The Summer Grind: Stay Positive and Safe

As the summer grind continues, keeping a positive mindset is essential despite the

continued on next page



Front row: Patrick Van Vleck, MA; Eric Richardson, MA; Dave Frem, MA; Heather Korte, MA; 2nd row: Larry Kelly, VT; Bob Forrest, RI; Melanie Boese, VT 3rd row: Jesse Menachem, MA; Marv Leon, VT; Elaine Gebhardt, MA; Dan Ramus, NH

continued from cover

season's challenges. The summer heat and all that comes with it can tax our courses, teams, and your mental health.

No matter your club's status or budget, we will all have an employee who doesn't show up, an irrigation failure on Friday afternoon, a difficult fungal pathogen, too much or insufficient rainfall, etc. As we navigate through the summer stresses (turf and life), let's remember the passion that brought us into this profession and the joy we bring to golfers daily. Focus on keeping your team safe and engaged, and try to unplug from work when an opportunity arises for you or for those you manage. Please remember that GCSANE and your peers are here to listen or help during times of need, whether it be turf or life issues; everyone's contact information is listed in the membership directory for a reason.

I appreciate you taking the time to read my ramblings and thank you for your continued dedication to the turfgrass industry. Let's make this summer a successful and enjoyable season.

Sincerely,
Eric Richardson



Patrick Van Vleck displaying his Gressroots Ambassador recognition



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Assistant Superintendent Spotlight: Dylan Deotte, Quinnatisset Country Club

Interviewed by Ryan Boudreau, Framingham Country Club



Q: Dylan, thanks for participating in the Assistant Spotlight Series. We are excited to feature you in this edition. Tell us a little about what got you interested in a career in turfgrass management.

A: My father was a Golf Course Superintendent when I was growing up. I was always trying to help out around the course with whatever I could do. When I was old enough to work I got my foot in the door at Connecticut National Golf Club in Putnam, CT. worked hard and decided to pursue a career in golf. I went to the winter school for turf managers at UMASS Amherst In the winter of 2019.

Q: We recently had an education event hosted by the management team from The Country Club. One of the many topics was the importance of having a good mentor. Who have been some of your mentors during your professional journey?

A: My biggest mentors to this point have been my father Michael Heman, Assistant Superintendent at Connecticut National Golf Club. Jeff Lefebvre, Superintendent at Connecticut National Golf Club. Rob Larson, sales representative for Tom Irwin. Patrick Peterson former Superintendent

at Stonington Country Club and Craig Resley, Superintendent at Tatnuck Country Club

Q: Before making the move to Quinnatisset you were the Assistant at Tatnuck Country Club, a beautiful 9-hole course. What do you see as being some of the biggest differences and/or challenges between managing a 9-hole club to managing an 18-hole club?

A: I do not see a difference between managing 9 holes vs 18 holes. I have been at four 18-hole courses as an assistant superintendent and I feel that 9 holes is just as busy. If anything you have fewer resources at a 9-hole course.

Q: Making the transition to a new facility and managing a new group of people can be especially challenging. How has that transition been for you so far and what advice would you give other Assistants making the same transition?

A: Transitions to a new facility are always difficult. Patience is important in these situations and building new relationships will take time. I always try to earn the respect of my crew through hard work and by showing respect in return. I always like to make my staff feel appreciated for their hard work.

Q: What have been some golf course capital projects that you have been a part of and what were some of your key takeaways from your experience? Do you have anything planned in the near future at Quinnatisset?

A: My largest capital project to date would be the reconstruction of the 3rd hole at Tatnuck Country Club featuring bunker elimination, bunker construction, and sodded green expansion nearly doubling the playing surface. This greens complex also features a shared approach with the 7th hole. Larger areas of the fairway were grown in with seed. For the near future at Quinnatisset, we have plans to build a new



greens complex on 12, 13, and 16 as well as new tee complexes on 11, 13, 14, 16, and 17.

Q: You are a product of a growing trend of people graduating from an accelerated turf program and earning a winter certificate in turf management. Would you recommend this same path to someone interested in the turf industry?

Dylan Deotte (continued)

A: Most of what I have learned has been in the field, winter school is more than enough education to have a solid foundation. Working firsthand and troubleshooting obstacles is where the real knowledge comes from.

Q: I have gotten to know you a little before this interview and before joining our Assistant committee. My first impression was someone energetic and passionate about our industry. Is there anything you would like to see change in our industry and what are some possible solutions or tools that could be applied?

A: I would like to see this growing trend of a life away from work continue. When we hire staff we trust we have to be able to let go at times and spend time on our personal lives. I believe that when staff is properly managed this is more than reasonable.

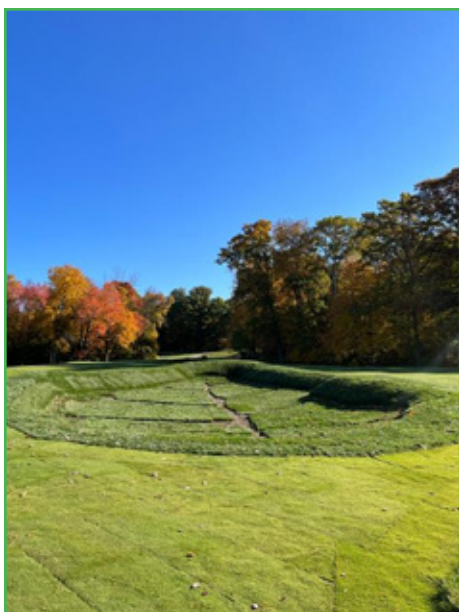
Q: What are some of your favorite golf courses that you've had the opportunity to play?

A: My favorite golf courses that I played last year would be Worcester Country Club, Essex County Club, and Concord Country Club, three Donald Ross gems.

Q: What do you like to do in your free time?

A: I enjoy golfing, boating, fishing, and spending time with my family. My wife Kaylee. Children Ariana and Aiden, and my two dogs.

Dylan, thank you again for taking the time with your thoughtful answers, and wish you all the best going forward this season and in your career.



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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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For more information, please contact Don Hearn at 774-430-9040 or donhearn@gcsane.org

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GCSANE MERCHANDISE STORE



We now have GCSA of New England clothing and merchandise for sale.

To view the catalog click [here](http://www.gcsane.org).

The merchandise can also be viewed on the Home Page of the GCSA of New England's website at [gcsane.org](http://www.gcsane.org).

SAVE THE DATE



**Celebrating 100 years of service to the
Turfgrass Management and Golf Industry**

*Please join your fellow members in celebrating our
past while looking forward to the future.*

Event Details

Friday, November, 8TH 2024

*Peirce Farm at Witch Hill
116 Boston Street
Topsfield, MA 01983*

Registration: Opens mid-summer

Cost: \$100 per attendee

*The primary registrant must be a current member of
GCSANE. A maximum of one paying guest per member*

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May - June 2024





Tee-Up New England: A Win-Win for Golf and the Turfgrass Industry!

First, I would like to thank all 107 golf courses, one tennis club and the New England Golf Course Owners Association for supporting our 12th annual Tee-Up New England online auction for their donations. This year's event was held April 15-22, 2024. Bidding was going along strongly. Unfortunately, we had a server crash just minutes before the end of the auction. I am sure that there were many who were ready to swoop in on the auction to place last-minute bids but were shutout. By the time the server recovered all bidding was stopped as time had run out. What a disappointment! It felt like losing the cable right in the middle of a hockey shoot-out or a triple overtime basketball game. Those that were able to place their last bids made out nicely and probably saved some money for themselves. Even though this occurred, the auction was a huge success and generated more than \$46,000 in turf research funds for the NERTRT and the ATG. These funds are crucial to growing research activities and helping to stabilize turf management education programs in New England. The more we grow the auction, the turfgrass industry benefits will continue to grow! We thank the more than 200 bidders who visited our website and placed bids. The 2025 auction will be April 14-22, please help encourage more courses to participate!

The NERTRT and the ATG would like to thank the following clubs for their support and donations in 2024:

2024 Tee-Up New England

Cohasset Golf Club	Kirkbrae Country Club	Stowe Mountain Course	The Captain's Course
Green Valley Country Club	Cape Cod Country Club	Country Club of New Bedford (2)	Cranberry Valley Golf Course
The Brookside Club	Concord Country Club (NH)	Dunegrass Country Club	Acoaxet Golf Club
Rochester Country Club	Lake Winnepesaukee Golf Club	The Meadow at Peabody Golf Course	Glen Arbor Golf Club
Willowdale Golf Club	Cyprian Keyes Golf Club	Cranston Country Club	Old Oaks Country Club
Concord Country Club	Old Sandwich Golf Club	Madison Country Club	Farm Neck Golf Club
Essex County Club	Foxboro Country Club	The Links at Mass Golf	Acushnet River Valley GC
Laconia Country Club	Shennecossett Golf Course	Purpodock Golf Club	Wampatuck Country Club
Abenakee Club	Tradition Golf Club at Oak Lane	The Aquidneck Club	Allendale Country Club
Midville Golf Club	Waconah Country Club	Redding Country Club	Fenway Golf Club
Quechee Club	Fox Ridge Golf Club	Hyannisport Golf Club	Pt. Judith Country Club
Longwood Cricket Club	Foster Country Club	Tedesco Country Club	East Greenwich Golf Club
Juniper Hill Golf Course (2)	Button Hole	Potowomut Golf Club	Thorny Lea Golf Club
NEGCOA Golden Passport	Bay Club at Mattapoisett	Pawtucket Country Club	Sakonnet Golf Club
Brookline Golf Course	Nashawtuc Country Club	Cape Arundel Golf Club	Martindale Country Club
Wanametonomy Country Club	Oak Hill Country Club	Montaup Country Club	Ferncroft Country Club
White Cliffs Country Club	Swansea Country Club	North Kingstown Country Club	Campbell's Scottish Highlands
Amherst Golf Club	Guilford Lakes Golf Course	Frye Island Golf Club	Breakfast Hill Golf Club
Pelham Country Club	Crumpin-Fox Club	Biddeford Saco Country Club	York Golf & Tennis Club
Turner Highlands Golf Course	North East Harbor Golf Course	Segregansett Country Club	Webhannet Golf Club
Borough of Fenwick Golf Course	H.B Brownson Country Club	Tumble Brook Country Club	The Kittansett Club
Kernwood Country Club	Bomoseen Golf Club	The Oaks Golf Links	Point Sebago Golf Course
Indian Ridge Country Club	Jamestown Country Club (2)	Windham Golf Course	Franklin Country Club
Waverly Oaks Golf Club	Country Club of Wilbraham	Lochmere Country Club	Brunswick Golf Club
Southers Marsh Golf Club	Olde Scottish Links Golf Course	IGM @ Ledges Golf Club	Black Hall Club
Sterling Golf Mgmt. Coupon	Gardner Municipal Golf Course	Plymouth Country Club	Nippo Lake Golf Club
The Ledges Golf Club (ME)	Stowe Country Club		



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May - June 2024



As we continue to highlight our Associations history during this centennial season, this edition features one of the all-time legends of our Association, John Shanahan. This clip was taken from the February 1935 issue of the Newsletter and is a Memorial write up by his peers, shortly after his passing in 1934.

John was the longtime Head Greenkeeper, or Golf Course Superintendent as we now know it, at Brae Burn Country Club. He started out as stone mason at Brae Burn before becoming Head Greenkeeper and is the cornerstone of our Associations foundation history.

As you will read in this clip, John was a highly accomplished, knowledgeable, and honorable man. He exemplifies what it means to be a true professional in our industry through his willingness to lead, help his peers, give criticism with grace and kindness, and keep pace with changes in turfgrass management. All of these qualities still hold true as we continue to represent turfgrass professionals in the most positive light. (Please note that archived Newsletters are available on the GCSANE website)



JOHN SHANAHAN

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NEWSLETTER

This NEWSLETTER is published monthly by the Greenkeepers Club of New England, and sent free to its members and their Greens' Chairmen. Subscription price ten cents a copy, or a dollar a year.

GUY C. WEST Editor
312 Mt. Pleasant St., Fall River, Mass.

HOWARD D. FARRANT Business Mgr.
132 Russell Rd., West Roxbury, Mass.

February, 1935 Vol. 7, No. 2

"Blessed is that man who has found his work."

In the spirit of honoring a dearly loved brother the Greenkeepers Club of New England is presenting this issue of the NEWSLETTER as a John Shanahan Memorial. We trust that his memory may ever be revered among us, and his teachings followed.

It is perhaps fitting that we here announce that the Greenkeepers Club, with the New England Section of the P. G. A., and the Brae Burn Country Club cooperating, is establishing the John Shanahan Shield as a trophy which will be hung in the trophy room at Brae Burn, and upon which will be inscribed yearly the names of the winners of the annual Greenkeepers-Pro Championship.

The Greenkeepers Club of New England has also voted to award annually a John Shanahan Award of Merit to the person or persons who make the most outstanding contribution to Greenkeeping in New England.

We are indeed pleased to include some of the many tributes to the memory of our friend.

Brae Burn and John Shanahan, the two are inseparable in one's mind. We judge a man by his accomplishments in life and Brae Burn is known throughout the length and breadth of this land for its beautiful golf course. John lived with his work. He knew every green, tee, fairway and bunker intimately. Those who know Brae Burn know that his work was well done.

John was the dean of greenkeepers in this country. His wide knowledge and years of experience made him an authority on golf course problems. He

kept pace with the changing times. His helpfulness to others was one of his outstanding characteristics. If you were in trouble and took your problem to him, he was always willing to help.

His sound judgement helped in a large degree in the developing of The Greenkeepers Club of New England into an organization which has prospered for eleven years, done an incalculable amount of good for greenkeepers and golf clubs. In his quiet unhurried way he has been a steady influence which we all miss.

I cannot help thinking of William Cullen Bryant's words in *Thanatopsis*:
"So live, that when thy summons comes to join

The innumerable caravan, which moves
To that mysterious realm, where each shall take

His chamber in the silent halls of death,
Thou go not, like the quarry-slave at night,

Scourged to his dungeon, but, sustained
and soothed

By an unflinching trust, approach thy grave,

Like one who wraps the drapery of his couch

About him, and lies down to pleasant dreams."

Clean living, his trust in God, helpfulness to his fellowmen, a ready smile, a hearty laugh, a warm handshake are some of the things I remember in my friend John Shanahan.

Frank H. Wilson.

AS FRIEND AND NEIGHBOR

Words simply fail when one wishes to pay full tribute to John Shanahan, as friend and neighbor.

At all times he was painstakingly considerate in his advice to the younger greenkeeper. His criticism was of the most kindly type, always given with that gracious smile of his that we all learned to love. His wisdom in greenkeeping affairs, and affairs in general was as large as the man himself.

The many talks we've had. The visits back and forth are things of the past now but they will always linger in my memory. John could say so little and yet say so much; I am indeed grateful that my work in greenkeeping brought me in touch, and in such close touch, with a man of his caliber.

I like to think of John Shanahan as a greenkeeper, better yet, I like to think of him as the out-standing one in his profession, but best of all I like to think of Dear Old John as my neighbor and greatest friend.

Carlton E. Treat.

My first acquaintance with John Shanahan was shortly after Brae Burn opened its first course of nine holes.

When Fred Hood organized the New England Service Section, John was one of our most valuable members, and continued with his advice after the Service Section was consolidated with the Massachusetts Golf Association.

During the two years that I was President of the Massachusetts Golf Association, I asked John many times to go to different Clubs, and help out with suggestions to some Greenkeeper who was having troubles. He never failed me.

I always considered John as the premier Greenkeeper of Massachusetts, if not of the country. He was a credit to the game of golf.

Charles H. Cross,
Past Pres., M. G. A.

I never knew John Shanahan personally. I did know what kind of a man he was, because of what he did, and on account of hundreds of friends he had who spoke so highly of him. Every golfer who had the privilege of playing at Brae Burn recognized that the course was groomed by a great master. Mothers have told me that they never worried when their children were at Brae Burn, for John Shanahan would look out for them. When the greenkeepers organized their club John Shanahan was the unanimous choice for president. He was a hard worker—willing, able, unselfish. His standards were the highest—only the best would suffice. His life was an example from which we can all well profit.

Charles E. Mason,
Pres. Mass. Golf Assoc.

Were I a master of the English language I could not write a tribute worthy of John. His greens and fairways were always so uniformly good that we seemed to take his ability for

granted in that line but, unlike many arriving at his years, his vision always was forward, seeking new truths and their application to his problems.

His knowledge of men and his keen sense of humor often caused us to marvel at the breadth of his point of view. Generosity, loyalty to his family and to his Club, and helpfulness to his fellowmen, were John's chief characteristics.

Associated with him for ten years, first as a member, and then as Chairman of the Brae Burn Country Club Grounds Committee, I have never heard John speak ill of any man, and if an occasional report reached him as to misfortune befalling another greenkeeper, he would always reply that probably he could not have done as well under the same circumstances.

We have indeed lost a friend as well as a master craftsman.

C. A. Sawyer, Jr.,
Chairman, Greens Committee,
Brae Burn Country Club.

While I have known John Shanahan only a few years, and while we did not always see things in the same light, I always found him honest and sincere, firm in his convictions, always ready to applaud good, and denounce wrong. I considered Mr. Shanahan one of our leading pioneers and Dean of the Greenkeepers of America. Through his untiring efforts, he has helped to advance the cause of greenkeeping to a higher standard. Few men have lived so usefully, so richly endowed in friendships and so tenderly held in the memory of all who knew him.

John Morley,
Pres. Emeritus, N. A. G. A.

Greenkeepers and research workers in the field of Agrostology must never be permitted to forget John Shanahan. It is the duty of us who knew him to carry his splendid teachings and the inspiration of his rare personality to the future generations.

Greenkeeping was not his chosen profession, but a profession adopted by necessity. Thus his complete success became a greater tribute to his character.

John Shanahan was successful during the early period of greenkeeping because he realized that he was working with living plants; he was a clear observer and wise interpreter of signs and omens; he was not excitable, but calm and conservative; he had great faith in Nature and wanted to help her.

In the middle period of his greenkeeping he was even more successful and a stronger and wiser leader and example. He was tolerant of new ideas and leaders, never destructive in criticism, but always encouraging, yet he never hesitated to give an honest opinion. His valuable influence was felt in this period by leading the greenkeepers to give of their knowledge, and by his willingness and desire to direct scientists in the solution of their research problems.

We are thankful that we were permitted to have John Shanahan with us during the final period of his greenkeeping career. For then he was to demonstrate by his practices and life the value of his example, teachings, and ideals. His acceptance, and adaptation of the results of scientific research was proof of their soundness, and his leadership was followed throughout the country.

The greenkeepers of New England have lost an able adviser, a living example of their ideals. The research worker has lost a true friend, a wise counsellor with an inspiring personality. The community has lost a valuable citizen.

Prof. Lawrence S. Dickinson,
Mass. State College.

It is given but to few men to rise through hard work and eternal vigilance to the peak of their individual professions. Mr. Shanahan did accomplish this feat and maintained his "second to none" reputation to the very end of his life. It is truly inspiring to those of us, who have yet to make our mark in this world to have known and associated with a man of his excellent qualities. He leaves a heritage of which any man might be proud.

Orville O. Clapper, Mgr.,
New England Toro Co.

RESOLUTIONS

Adopted December 17, 1934, at a meeting of the Board of Directors of the Brae Burn Country Club, West Newton, Massachusetts

WHEREAS:

THE BRAE BURN COUNTRY CLUB

records with deep regret the decease of

JOHN SHANAHAN

its beloved and loyal Greenkeeper; and

Whereas: For thirty-two years Brae Burn has enjoyed the benefit of his knowledge and industry, resulting in the attainment of one of the finest examples of golf course architecture and maintenance in the United States; and

Whereas: During his long years of service, spanning the growth and development of golf as a National recreation in this country, John Shanahan prepared the Brae Burn course for many State and National Tournaments; and

Whereas: He was recognized as the Dean of Greenkeepers, holding membership on the Advisory Committee of the Greens Section of the United States Golf Association and on the Executive Committee of the Greenkeepers Club of New England;

Whereas: Sincerity and sterling integrity were the basic attributes of his character and a remarkable influence for good among his fellowmen; and now therefore be it

RESOLVED

That the Club express its appreciation of John Shanahan's long and faithful service, and extend to Mrs. Shanahan its sympathy in her loss of a loving companion, and be it also further

RESOLVED: That this tribute be spread on the records of the Club and that a duly authenticated copy be engrossed and presented to Mrs. Shanahan.

BRAE BURN COUNTRY CLUB

Leon B. Rogers,
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Chairman, Grounds Committee.



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NOTICE

I know this is a very busy time and taking care of some items ends up on the back burner. Checking your dues payment status can be one of these low priority items.

This year we have many members who haven't paid their dues. Invoices and follow-up statements have been sent and Mike Murphy, Secretary/Treasurer, has contacted those who haven't made payment. For some, it was a forgotten invoice. For others, they gave the invoice to someone in the club's office with the understanding it would be paid. Whatever the reason, the dues payment has not been received.

We try to be gentle with reminders and understand many think when their invoice is submitted for payment, it will be paid. If you've received a note or call from Mike Murphy, it means your dues were not received. If this is what might have happened to you, and you want to be certain your dues have been paid, please contact me at: donhearn@gcsane.org and I will check to let you know the status of your payment. In some cases, we've found payment has been made, but not recorded. Yup – my mistake. It happens, what can I say! If there is a problem with making payment, please let me know so we can work with you.

We plan to include a listing of all members of the Association in the book published to commemorate our 100 years of existence. To not have you included because your dues have not been paid will be disappointing.

If you have any questions about your status, please let me know.

Regards,
Don Hearn


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Fifteen Benefits Of Drinking Water *Medical News Today*

Facts

Drinking water has numerous benefits. Water is crucial for many bodily functions, such as lubricating the joints, delivering oxygen throughout the body, preventing kidney damage, and more.

Around 60 percent of the body is made up of water, and around 71 percent of the planet's surface is covered by water.

Perhaps it is the ubiquitous nature of water that means drinking enough each day is not at the top of many people's lists of priorities.

Fast facts on drinking water

- Adult humans are 60 percent water, and our blood is 90 percent water.
- There is no universally agreed quantity of water that must be consumed daily.
- Water is essential for the kidneys and other bodily functions.
- When dehydrated, the skin can become more vulnerable to skin disorders and wrinkling.
- Drinking water instead of soda can help with weight loss.

Fifteen benefits of drinking water

Possible benefits of drinking water range from keeping the kidneys healthy to losing weight. To function properly, all the cells and organs of the body need water.

Here are some reasons our body needs water:

1. **It lubricates the joints**
Cartilage, found in joints and the disks of the spine, contains around 80 percent water. Long-term dehydration can reduce the joints' shock-absorbing ability, leading to joint pain.
2. **It forms saliva and mucus**
Saliva helps us digest our food and keeps the mouth, nose, and eyes moist. This prevents friction and damage. Drinking water also keeps the mouth clean. Consumed instead of sweetened
3. **It delivers oxygen throughout the body**
Blood is more than 90 percent water, and blood carries oxygen to different parts of the body.
4. **It boosts skin health and beauty**
With dehydration, the skin can become more vulnerable to skin disorders and premature wrinkling.
5. **It cushions the brain, spinal cord, and other sensitive tissues**
Dehydration can affect brain structure and function. It is also involved in the production of hormones and neurotransmitters. Prolonged dehydration can lead to problems with thinking and reasoning.
6. **It regulates body temperature**
Water that is stored in the middle layers of the skin comes to the skin's surface as sweat when the body heats up. As it evaporates, it cools the body. Some scientists have suggested that when there is too little water in the body, heat storage increases and the individual is less able to tolerate heat strain. Having a lot of water in the body may reduce physical strain if heat stress occurs during exercise. However, more research is needed into these effects.
7. **The digestive system depends on it**
The bowel needs water to work properly. Dehydration can lead to digestive problems, constipation, and an overly acidic stomach. This increases the risk of heartburn and stomach ulcers.
8. **It flushes body waste**
Water is needed in the processes of sweating and removal of urine and feces.
9. **It helps maintain blood pressure**
A lack of water can cause blood to become thicker, increasing blood pressure.

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Fifteen Benefits Of Drinking Water (continued)

10. The airways need it

When dehydrated, airways are restricted by the body in an effort to minimize water loss. This can make asthma and allergies worse.

11. It makes minerals and nutrients accessible

These dissolve in water, which makes it possible for them to reach different parts of the body.

12. It prevents kidney damage

The kidneys regulate fluid in the body. Insufficient water can lead to kidney stones and other problems.

13. It boosts performance during exercise

Dehydration during exercise may hinder performance. Some scientists have proposed that consuming more water might enhance performance during strenuous activity. More research is needed to confirm this, but one review found that dehydration reduces performance in activities lasting longer than 30 minutes.

14. Weight loss

Water may also help with weight loss, if it is consumed instead of sweetened juices and sodas. "Preloading" with water before meals can help prevent overeating by creating a sense of fullness.

15. It reduces the chance of a hangover

When partying, unsweetened soda water with ice and lemon alternated with alcoholic drinks can help prevent overconsumption of alcohol.

Kidney damage

Water helps dissolve minerals and nutrients, making them more accessible to the body. It also helps remove waste products. The kidneys play a key role in balancing fluid levels. These two functions make water vital to the kidneys.

Every day, the kidneys filter around 120-150 quarts of fluid. Of these, approximately 1-2 quarts are removed from the body in the form of urine, and the rest is recovered by the bloodstream. Water is essential for the kidneys to function. If the kidneys do not function properly, waste products and excess fluid can build up inside the body. Untreated, chronic kidney disease can lead to kidney failure. The organs stop working, and either dialysis or kidney transplantation is required.

Urinary tract infections (UTIs) are the second most common type of infection in the body. They account for around 8.1 million visits to health care providers in the U.S. every year. If infections spread to the upper urinary tract, including the kidneys, permanent damage can result. Sudden, or acute, kidney infections can be life-threatening, particularly if septicemia occurs. Drinking plenty of water is a simple way to reduce the risk of developing a UTI and to help treat an existing UTI.

Kidney stones interfere with how the kidneys work. When present, can complicate UTIs. These complicated UTIs tend to require longer periods of antibiotics to treat them, typically lasting 7 to 14 days. The leading cause of kidney stones is a lack of water. People who report them often do not drink the recommended daily amount of water. Kidney stones may also increase the risk of chronic kidney disease.

In November 2014, the American College of Physicians issued new guidelines for people who have previously developed kidney stones. The guidelines state that increasing fluid intake to enable 2 liters of urination a day could decrease the risk of stone recurrence by at least half with no side effects.

Dehydration happens if we use and lose more water than the body takes in. It can lead to an imbalance in the body's electrolytes. Electrolytes, such as potassium, phosphate, and sodium, help carry electrical signals between cells. The kidneys keep the levels of electrolytes in the body stable when they function properly.

When the kidneys are unable to maintain a balance in the levels of electrolytes, these electrical signals become mixed up. This can lead to seizures, involving involuntary muscle movements and loss of consciousness.

In severe cases, dehydration can lead to kidney failure, which can be life-threatening. Possible complications of chronic kidney failure include anemia, damage to the central nervous system, heart failure, and a compromised immune system.

Sources

Some of the water required by the body is obtained through foods with a high water content, such as soups, tomatoes, oranges, but most come through drinking water and other beverages.

During everyday functioning, water is lost by the body, and this needs to be replaced. We notice that we lose water through activities such as sweating and urination, but water is lost even when breathing.

Drinking water, whether from the tap or a bottle, is the best source of fluid for the body.

Milk and juices are also good sources of fluid, but beverages containing alcohol and caffeine, such as soft drinks, coffee, and beer, are not ideal because they often contain empty calories. Drinking water instead of soda can help with weight loss.

It was previously thought that caffeinated beverages had diuretic properties, meaning that they cause the body to release water. However, studies show that fluid loss because of caffeinated drinks is minimal.

Recommended intake

How much water we need to consume is influenced by the climate. The amount of water needed each day varies from person to person, depending on how active they are, how much they sweat, and so on. There is no fixed amount of water that must be consumed daily, but there is general agreement on what a healthy fluid intake is. According to the U.S. National Academies of Sciences, Engineering, and Medicine, the average recommended daily intake of water from both food and drink is:

- For men: Around 3.7 liters or 125 ounces
- For women: Around 2.7 liters or 91 ounces

This would be around 15.5 cups for men and just over 11 cups for women. However, around 80 percent of this should come from drinks, including water, and the rest will be from food.

This means that:

- Men should drink around 100 ounces, or 12.5 cups of fluid
- Women should drink around 73 ounces, or just over 9 cups
- Fresh fruits and vegetables and all non-alcoholic fluids count towards this recommendation.

Times when it is most important to drink plenty of water include:

- when you have a fever
- when the weather is hot
- if you have diarrhea and vomiting
- when you sweat a lot, for example, due to physical activity

Facts

Here are some facts about water:

- Babies and children have a higher percentage of water than adults. When babies are born, they are about 78 percent water, but this falls to 65 percent by the age of 1 year.
- Fatty tissue has less water than lean tissue.
- Men have more water than women, as a percentage.

Do we drink enough water?

A study carried out by the Centers for Disease Control and Prevention (CDC) in 2013 analyzed data from the National Cancer Institute's 2007 Food Attitudes and Behaviors Survey.

Out of a sample of 3,397 adults, the researchers found:

- 7 percent of adults reported no daily consumption of drinking water
- 36 percent of adults reported drinking 1-3 cups of drinking water a day
- 35 percent of adults reported drinking 4-7 cups of drinking water a day
- 22 percent of adults reported drinking 8 cups or more a day
- People were more likely to drink less than 4 cups of drinking water daily if they consumed 1 cup or less of fruits or vegetables a day.

The study only measured the intake of drinking water. Fluid can be gained from other beverages, but water is best because it is calorie-free, caffeine-free, and alcohol-free.

Seven percent of respondents reported drinking no water at all daily, and those who drank a low volume of water also consumed less fruit and vegetables. This suggests that a certain number of people are risking their health by not getting enough fluid.

Even if the respondents reporting low levels of water intake were obtaining enough fluid, it is likely that they would be obtaining it from sources that could potentially compromise their health in other ways.

"The biologic requirement for water may be met with plain water or via foods and other beverages," write the study authors. "Results from previous epidemiological studies indicate that water intake may be inversely related to volume of calorically sweetened beverages and other fluid intake."



Feature “Super Scenic Shot”



Photographer: Patrick Simmons

Title: Assistant Superintendent Course: Nashawtuc Country

Club Photo Description: “Early morning sunrise with Grizz riding shotgun at the 8th green-side bunker after a fresh rake. I had my head down raking and as I looked up I saw this awesome sunrise. I had to stop and take a picture. This is one of the many reasons why I love this job. Not many people are up to enjoy the sunrise. ”

*Want an opportunity for one of your photos to be featured?

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THE BEAR CUP



From left: Mike Luccini, Brian Cromack,
Joe Lazaro, Brian Luccini

The winner of the Bear Cup this year, played at Quidnessett Country Club is the Cape team. The Bear Cup remains in the hands of the GCSA of Cape Cod for another year. The team outplayed teams from the GCSA of New England and the Rhode Island GCSA. The course, as usual, was in excellent condition and I had the opportunity to spend some time with our host, Brian Cromack, while out on the course. There has been a lot of work done on the course and grounds since Brian's arrival and it shows in the conditions golfers enjoy when playing Quidnessett Country Club. The hospitality extended to us was much appreciated. The staff and management of the club was helpful in many ways and we enjoyed our day there. Special thanks to Brian Cromack, Superintendent; Peter Chwaliszewski, Golf Professional; Peter Gendreau, Heather Guthrie and Janice Mathews for their efforts to help make the event a success.



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April 12, 2024

Subject: Water Management Registration Requirements for Golf Courses

Dear Registrants Under the Water Management Act (WMA):

I am contacting you with a reminder that Golf Courses with WMA Registrations that were renewed on April 8, 2023, are required to reduce irrigation and other outdoor water use during times of drought.

The reductions will be triggered when the Secretary of the Executive Office of Energy and Environmental Affairs declares a drought for the drought region, county, or watershed where your withdrawals are located. MassDEP will notify registrants via an emailed letter containing details of drought declarations. You may have received these updates in recent years when a drought has been declared in Massachusetts.

The required nonessential outdoor water use restrictions are summarized below:

- a) Level 1 (Mild Drought): irrigation of fairways shall be reduced to 80 percent of normal, irrigation of roughs shall be reduced to 50 percent of normal, and there shall be no irrigation of landscaping and ornamentals.
- b) Level 2 (Significant Drought): irrigation of fairways shall be reduced to 60 percent of normal, and there shall be no irrigation of roughs, landscaping and ornamentals.
- c) Level 3 (Critical Drought) or Level 4 (Drought Emergency): irrigation of fairways shall be reduced to 40 percent of normal, and there shall be no irrigation of roughs, landscaping and ornamentals.
- d) Courses whose core business includes a special event venue may continue to irrigate gardens, flowers and ornamental plants by means of hand-held hose or drip irrigation.
- e) Restrictions on nonessential outdoor water use at least as restrictive as described in (a) through (c) above shall remain in place for the declared drought level where your withdrawals are located until the drought level is changed by the Secretary.
- f) Golf course operators that implement mandatory water use restrictions are required to notify the MassDEP within 14 days of implementing such restrictions. A MassDEP Notification of Water Use Restriction form can be found at: <https://www.mass.gov/info-details/outdoor-water-use-restrictions-for-cities-towns-and-golf-courses>.

This information is available in alternate format. Please contact Melixza Esenyie at 617-626-1282.
TTY# MassRelay Service 1-800-439-2370
MassDEP Website: www.mass.gov/dep

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Drought Level	Tees and Greens	Fairways	Roughs	Ornamentals
Normal	No restrictions	No restrictions	No restrictions	No restrictions
Mild Drought	Irrigation at 100%	Irrigation at 80%	Irrigation at 50%	No irrigation of landscaping and ornamentals, except that courses whose core business includes a special event venue may continue to irrigate gardens, flowers and ornamental plants by means of hand-held hose or drip irrigation.
Significant Drought	Irrigation at 100%	Irrigation at 60%	No irrigation	
Critical Drought	Irrigation at 100%	Irrigation at 40%		
Emergency*	Irrigation at 100%	Irrigation at 40%		
*In an emergency the Governor may impose additional restrictions by Emergency Proclamation				

For Registrants who **also hold a Water Management Act permit that includes conditions requiring you to restrict nonessential outdoor water use**, the conditions in the permit, including all applicable deadlines for implementation, supersede the condition in the Registration Statement requiring implementation of restrictions on nonessential outdoor water use. See 310 CMR 36.07(2)(c)6.

Registrants who **also hold a Water Management Act permit that does not include conditions requiring restrictions on nonessential outdoor water use**, must comply with the condition on restricting nonessential outdoor water use included in the Registration Statement.

Attached you will find an example of the type of map and guidance that MassDEP has sent in the past to registered and permitted users when a drought is declared by the Secretary. If you have any questions or concerns about this requirement, please contact Beth McCann of the Water Management Program at elizabeth.mccann@mass.gov or at (857) 262-3205.

Very truly yours,



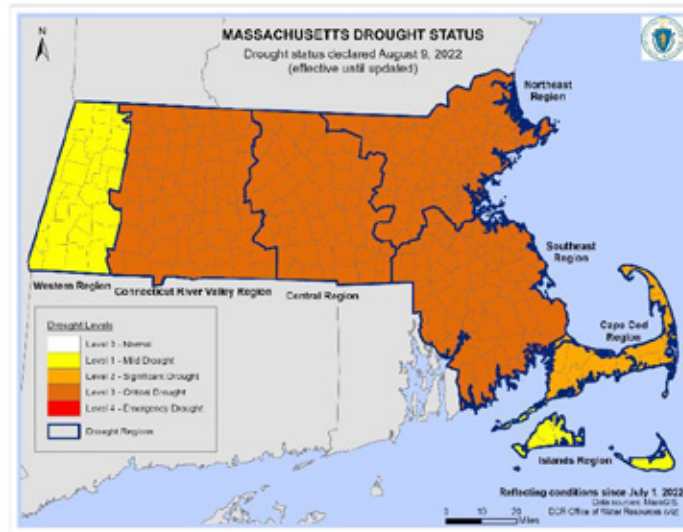
Duane LeVangie
Water Management Program Chief

Cc: Julia Blatt, Mass Rivers Alliance
Don Hearn, Executive Director, Golf Course Superintendents Association of New England

Sample Map and Summary Guidance for Public Water Suppliers When Drought is Declared

Below is a sample of the type of map that is prepared and distributed when drought is declared by the Secretary of Energy and Environmental Affairs. Note that the guidance provided here is geared toward public water suppliers, not golf course operations.

For details on your region and Massachusetts current Drought Status go to: [Drought Status | Mass.gov](https://www.mass.gov/drought-status).



Level 3 (Critical Drought)

All nonessential outdoor water uses should be banned.

Level 2 (Significant Drought)

All nonessential outdoor water uses banned, except that water of ornamentals and flower gardens with drip irrigation, hand-held hose or watering cans may be permitted.

Level 1 (Mild Drought)

Limit outdoor watering to no more than one day per week, before 9 a.m. and after 5 p.m., except that watering ornamentals and flower gardens with drip irrigation, hand-held hose or watering cans may be permitted.

Upcoming Events

Mark your calendars for these upcoming events. Thank you to our hosts and sponsors. Hope to see you there!

Member-Member/Member-Guest

Date: June 24

Location: Nashawtuc Country Club

Address: 1861 Sudbury Road Concord, MA 01742

*Joint meeting with the New Hampshire Chapter. The day will include a presentation by SumCo Eco-Construction, "How do I start the process if my facility wants to dredge a pond or stream?" To find more details about this event visit gcsane.org



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August Meeting

Date: August 5

Location: Cohasset Golf Club

Address: 175 Lamberts Lane Cohasset, MA 02025



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