



# THE NEWSLETTER

Golf Course Superintendents

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June 1997

## East Mountain G.C.'s Jim Perez wins regional Environmental Steward Award

The East Mountain Golf Course in Westfield, Mass. always has been known as environment-friendly. But that may be an understatement.

A few minutes with its superintendent, Jim Perez, and his words inspire an upgrade in that description. East Mountain is environment-obsessed.

Protecting and preserving the environment is a way of life at East Mountain, the Perez family-owned public layout that was built on top of an expanse of underground lakes, springs, and wells known as the "Barnes Aquifer" in 1963. Since then, that mentality has dictated the maintenance program at the popular 18-hole layout.

Apparently, Jim Perez' dedication to environment-laced thinking and planning is no secret. Recently, he was honored by the Golf Course Superintendents Association of America as winner of its Northeast

***"I don't know what it is about feeling indebted to the environment and all natural things. I suppose being off the beaten path, out in the country, has something to do with it."***

**Jim Perez  
East Mountain G.C.**

Regional Section Environmental Steward Award. This means Jim has spread his wings. Two years ago he was named winner of the Greens Business Award by the Pioneer Valley Planning Commission. In addition, that same year his efforts were recognized and recorded by the House of Representatives.

"I don't know what it is about feeling indebted to the environment and all natural things," Jim said. "I suppose being off the beaten path, out in the country, has something to do with it. We have a small town approach to things. We live off the land and give back to it. That's how it's always been around here."

East Mountain could be called the Green Acres of golf courses in the western Massachusetts area. The course grew out of an innocent remark made by Jim Perez' late uncle, Paul.

"The way I remember it, Uncle Paul and my dad (Ted Perez, Sr.) were playing a round of golf at a local public course and were a little upset with the way management there treated the customers," Jim told. "There was too much regimentation. It wasn't fun for them. So, Uncle Paul suggested that the two of them build their own golf course. It just mushroomed from there."

At the time, Ted Perez, Sr. worked as a toolmaker at the Springfield Armory and had no idea what building and maintaining a golf course entailed. However, he hiked himself to the library, read books, visited other courses, and decided he could make it go.

He bought enough land, mortgaged himself to the hilt, and engineered some working capital by selling 200 subdivision building lots. From there, he set about designing the course himself and East Mountain was born, first as a nine-hole layout and eventually stretched to a full 18 holes. Thirty-four years later it has become a family enterprise, with six members of the Perez clan actively involved in the course's operations.

Jim Perez has been East Mountain's superintendent since 1986, and his brother, Ted, Jr., is the club pro. There's an interesting sidelight to the cementing of those two positions.

"When we were kids, Ted and I had to work on the golf course after school and weekends," Jim explained. "Both of us

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played golf and were pretty good at it. However, I knew where I was headed in the operation. When we mowed the greens, I usually wound up cutting 13 of them and Ted managed to finish five. So, he became the pro prospect and I was the superintendent-in-waiting."

Jim learned a lot about maintenance and regard for the environment from one of East Mountain's early superintendents, Donnie Brainard. Donnie schooled Jim with the idea of maintenance based on organic products, and Jim has never strayed from that mindset.

The organic dependence is highlighted virtually every January when East Mountain's greens are turned into a frozen mass. "When we know they're (greens) firm enough, I take my one-ton pickup and plow every one of them," Jim explained. "Then I cover them with a dark organic fertilizer. The combination of the late winter sun and those organics work wonders with our greens.

Another Jim Perez conditioning aid has to do with aerating fairways. He doesn't. Rather, he cultivates the inestimable number of earth worms there. "I let them aerate the fairways," he quipped. "And they do a darn good job."

Recently, Jim opted to substitute "turf cocktail" for fungicides. The cocktail, of course, is 100 percent fish concentrate. He started this program in 1990 and says the results are just as effective as using chemicals.

Jim has busied himself away from the course with organics seminars and observations of maintenance programs at other clubs. He makes it clear that use of organics requires a lot of patience. "They don't work overnight," he stressed. "You have to give it time."

Since the East Mountain operation revolves around public links players, and

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**Jim Perez  
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because it is family-owned and managed, the demands of players are minimized. "We know we'll never be an Augusta National in the matter of course conditioning," Jim emphasized. "And we've conditioned our players to that outlook. They've learned to live with clover and maybe sieges of crabgrass. But that's our advantage. No one tells us how to run our business."

Yet, East Mountain boasts of a host of satisfied customers. Visiting the course, watching the operation, seeing the results, it's just like watching television's Green Acres reruns. "Getting close to nature, to natural things, is second nature for me and my family," Jim concluded. "It's in our blood. That's how all of us feel."

**GERRY FINN**

## Calendar

- June 9 **GCSANE Monthly Meeting**  
Eastward Ho Country Club  
Harwich, Mass.  
Supt. - Brian Cowan, CGCS
- July 7 **GCSANE Monthly Meeting**  
**Team of Two Championship**  
Tedesco Country Club  
Marblehead, Mass.  
Supt. - Peter Hasak
- August 4 **GCSANE Monthly Meeting**  
**Championship**  
Winchester Country Club  
Winchester, Mass.  
Supt. - Daniel Higgins, CGCS
- Sept. 15 **GCSANE Monthly Meeting**  
**Joint meeting with**  
**Rhode Island GCSA**  
Pine Brook Country Club  
Waltham, Mass.  
Supt. - Michael Iacono, CGCS
- Oct. 14 **GCSANE Monthly Meeting**  
**Supt./Club Official Tournament**  
Brae Burn Country Club  
Newton, Mass.  
Supt. - Robert DiRico, CGCS

# The Super Speaks Out

*This month The Super Speaks Out revisits the spikeless, or soft-spike, golf shoe issue. It's an update on the progress made in popularizing the use of non-metallic golf shoes.*

**Mike Hermanson, Gardner Municipal Golf Course:** (Hermanson is a member of the GCSANE Board of Directors and is the association's golf chairman.) "Our group has been active in an attempt to influence the use of nonmetallic golf shoes, and has emphasized that stand by mandating a non-metallic policy for members and guests playing in association events. We haven't wavered from that position and don't intend to soften it, either.

"There's been some negative publicity regarding the use of alternative, soft spike, spikeless, whatever the name for non-metallic shoes. Some critics even have gone so far as to suggest that we (golf course superintendents) are supporting the trend away from metallic shoes to save our jobs. That's a lot of bull.

"There are 20 or more reasons to eliminate the use of metallic golf shoes. They are harmful to the quality of the greens, they raise heck with carpeting in the clubhouse as well with pavement outside. And the list grows on.

"The overview of these reasons boils down to the one, glaring reason for the superintendents' endorsement of non-metallic shoes. In one simple sentence, we're doing it for the good of the game. We're not trying to be crusaders, not trying to save our jobs, or trying to make our jobs easier. We think that once the non-metallic movement takes hold, golf will be a better game because of it.

"We're convinced, too, that once golfers become aware of the positive qualities attached to non-metallic shoes, they will switch to an alternative without making a big issue of it.

"Personally, I was part of an eye-opening experience last year when the association held a tournament at Oak Hill. It was a spikeless (soft spike) event and over 80 players teed off at 1 p.m. The greens were pure when we started. Four or more hours later, after the field had finished the round, the greens were

still as smooth as when we began play. It was amazing. I'm sure everyone there decided their metallic golf shoe days were over.

"As for the future of banning metallic shoes, the timetable for complete elimination is on hold. Eventually, it will happen. My type of course (municipal, public) will be the last to comply. But I can see the day when metallic shoes go the way of high-button shoes."

**Peter Hasak, Tedesco Country Club:** (Last year the Tedesco Board of Directors voted to ban metallic shoes for the fall (Oct. 1 - on) golf season. However, this year a full-member vote rescinded the ban). "First of all, let me say that the ban, even though it lasted only a couple of months, was a success because it brought the non-metallic issue to a point where our members saw for themselves what the question was all about. They saw the plus side of the alternative shoe and they say they also experienced some negative results.

"What really counts, though, is the fact that soft spikes are catching on here. Our policy stands that soft spikes are optional but strongly suggested for use on the Tedesco course. At the moment there are about 70 percent of the membership wearing soft spikes.

"So, why the change of heart and the vote against cold-turkey banning of metallic shoes? I think the strongest reason is that members feel equipment should not be dictated. Another is the timing of the ban. You know, those weepy autumn mornings created conditions when the grasses were very slippery. It just wasn't the time to do it.

"In the meantime, improvements in soft spikes are sure to come. Eventually, their use will satisfy everybody's needs and fears. Even though our ban has been lifted, I consider it a success."

**Kevin Osgood, Newton Commonwealth Golf Club:** (Kevin has been instrumental, along with the Golf Club Owners Association, in establishing a soft spike golf shoe policy for public courses). "The biggest obstacle in our attempt to take metallic shoes out of play on public courses is that one course still offering an alternative to golfers who have been banned from wearing metal spikes elsewhere. In other words, we have to get together on this. If one public course forbids the use of metal spikes, we all have to do it.

"And that's coming. We have about 25 courses in New England (the majority in Massachusetts) that have adopted our revised policy. It offers golfers a gradual adjustment to soft spikes. An educational program in April and May kicked off the move. On June 1 the approach changes to a strong recommendation that soft spikes be worn. Then on Oct. 1 a hard ban on metallic shoes goes into effect.

"Believe me, this probably is the biggest hurdle we have in eliminating metal spikes. There can't be a rapid changeover. We have to have a chance to condition our golfers, to educate them on the advantages of soft spikes and to ease them into wearing soft spikes permanently.

"There's no doubt in anyone's mind that soft spikes are the answer to greens that are chewed up by heavy play. It's a matter of convincing golfers, private club members, and public links players that their game will be all that much better because of soft spikes. That's what we're trying to do with a program that allows public golfers to experience a gradual conversion to soft spikes.

"The day is approaching when metal spikes become obsolete. We know it and the golf spike manufacturers know it. Once the public shares that knowledge, soft spikes won't be the alternative. They'll be the only choice."

GERRY FINN

# Maintenance of healthy golf course ponds

by Lee Lyman

President, Lycott Environmental, Inc.

Water is a necessity for golf courses. An abundance of water is needed to maintain the turf and flower beds, as well as provide the clubhouse with a steady flow of potable water. Although some golf course ponds are created for storm water retention or irrigation, many ponds are designed for aesthetic reasons, or to create a challenge for golfers. Water hazards have become an integral part of golf course architecture. If you think of a favorite hole on a golf course, there is most likely a water body associated with it.

With few exceptions, these water bodies will require periodic maintenance for excessive weed and/or algae growth. Problems arise when the excessive aquatic vegetation: (a) interferes with the aesthetics; (b) blocks the intake pipes; or (c) decreases the volume or quality of the water. Although there are several techniques available for the management of aquatic vegetation, most require that the pond's water not be used for irrigation for a period of days or weeks.

Many golf course superintendents are implementing management techniques on their own. This practice can be risky, costly, and often ineffective. For example, aeration systems and fountains only have a limited effect on algae growth, and have virtually no effect on rooted plant growth. Chemical dyes, in limited applications, may help preclude the re-growth of algae, but they will not manage the aquatic vegetation. If downstream water bodies are discolored as a result of the dye application, local or state authorities may become involved.

In the last several years entrepreneurs have been marketing products that are not currently regulated. Many times it is difficult to determine what is being used because the manufacturer considers this information as proprietary. The claims made regarding these products are quite impressive. However, most of the products have not been subjected to scientific scrutiny or practical application to determine their effectiveness or effect on the waterbody's ecosystem. These products are designed to manipulate the food chain in the waterbody to encourage certain life

forms, while reducing more objectionable organisms. Although these products may have some merit and may become a valuable management tool in the future, until they are proven effective the techniques that have been subject to years of scientific research and practical application should be considered. These methods, which are effective when properly implemented, include: mechanical removal-harvesting, hydro-raking, and suction harvesting lake-level drawdown; and herbicides and algicides. Permits and licenses are required for most management techniques throughout the Northeast.

Looking toward the future, it would be beneficial for golf course architects to provide alternative water sources for irrigation purposes. For example, a second pond can be used for irrigation when the first pond needs management, or groundwater wells could be utilized when irrigation ponds need treatment.

In subsequent articles the details and regulations involved with managing water bodies will be discussed. Your input as a superintendent is welcome.

## GCSANE News

### "Remember when?": People & events of GCSANE's past

Remember when? recalls GCSANE's significant events and individuals of the past.

#### 20 years ago

USGA Greens Section Northeast chief Al Radko, commenting on the harsh winter of 1976, said that northern Connecticut, northern New York, and all of Massachusetts were the areas hardest hit by nasty weather. He also reported that damage was limited, mostly breaks in irrigation lines.

Radko was wary of the 60-degree days and 30-degree nights that had given early-bird golfers false impressions of playing conditions in most of New England.

"Telling the golfer that the ground below the surface is cold while he's playing in shirtsleeves is a rather complicated development," he said. "Golfers warm up to playing much faster than soil warms up to providing a comfortable home in which

the grass grows and prospers. But these are the things we have to live with."

In an ironic related development, the May meeting of the GCSANE was canceled because of a freak snowstorm.

#### 15 years ago

When Steve Murphy (GCSANE golf chairman) announced the winners of the monthly meeting tournament at Hampden Country Club, he presented a special award (a bag of tees) to Joel McKoan of Sawtelle Bros. for whiffing a three wood from the middle of the 14th fairway. Joel caught all air, no grass or ball, then explained that he needs "longer clubs".

New association members introduced during the monthly meeting included Don Marrone, Jr. of Wachusett C.C., John Streeter of Alpine C.C., Kip Tyler of Salem C.C., and Mike Legere of Holden Hills. To be voted on in the near future: Charles

Zeh of Sandy Burr, John Lensing of Norfolk, Phil DiRico of Shaker Farms, and Doug Stachura of Springfield C.C.

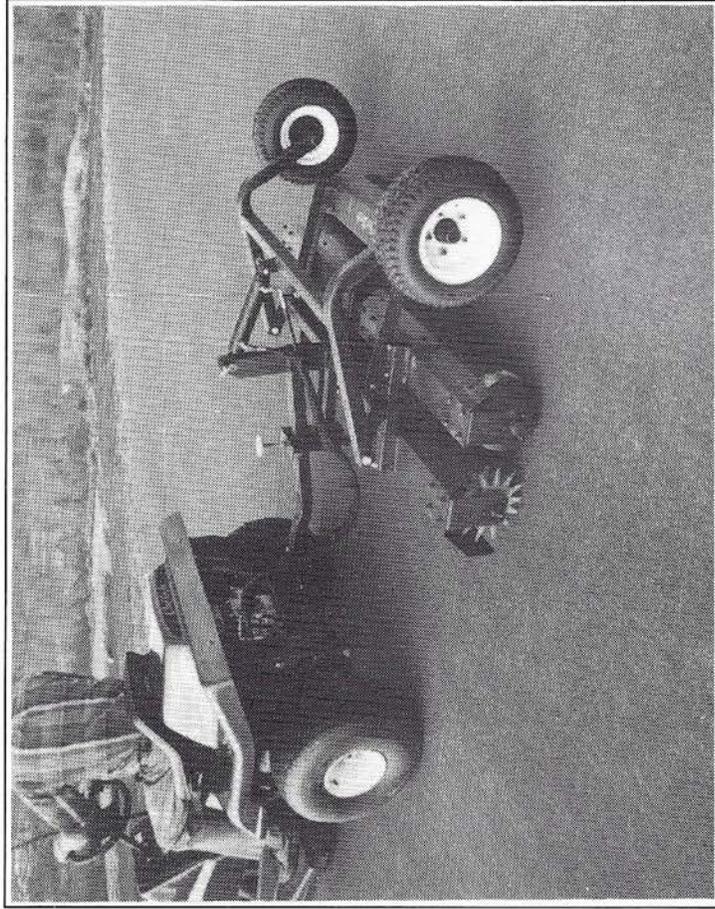
#### 5 years ago

The May monthly meeting tournament was a team of two, quota style event, with the following results: Tie for first - Rick Arzillo and Joe Eckstrom, plus 6; Leroy Allen and Ed Uhlman, plus 6. Tie for third - Paul Jamrog and Dave Devin, plus 4; Dave Barber and Steve Chiavaroli, plus 4. B Longest drive - Keith Gavin. Closest to pin - Joe Rybka.

Orrin Ellis, superintendent at Pine Meadows C.C., had his article, "A Procedure to Enhance Early Spring Green-up" (The Newsletter, February 1992) reprinted in the highly regarded "The Grass Roots" publication of the Wisconsin GCSA. Congratulations, Orrin.

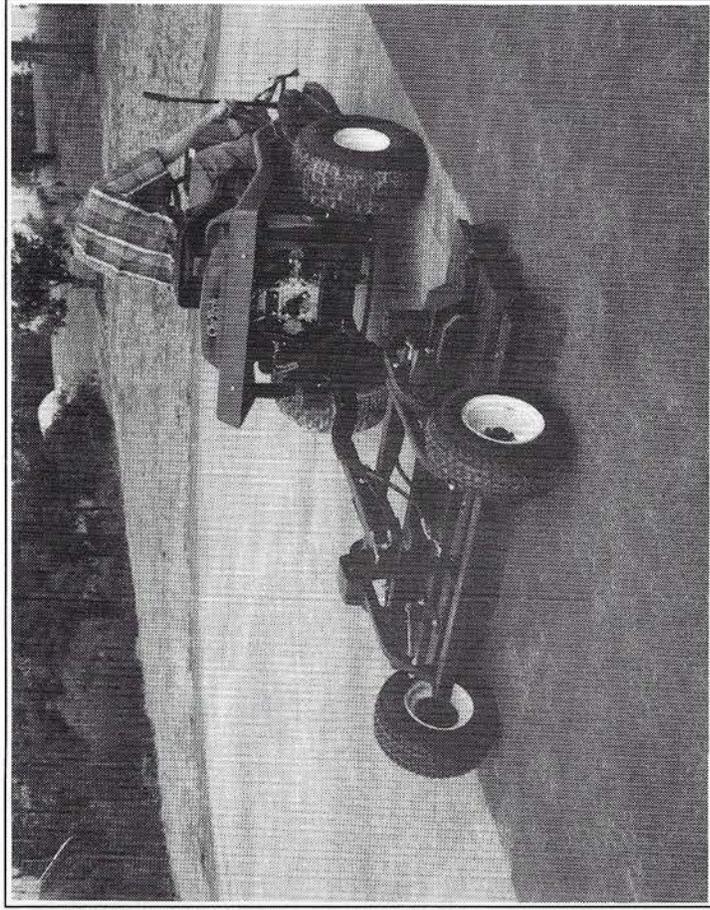
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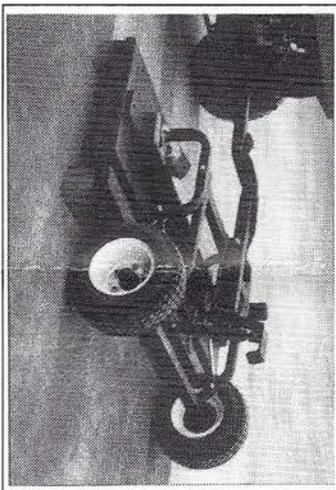
In our patented design, the rotation of the central brushes contact the turf from all directions, lifting non-vertical stolons and/or leaves to promote uniformity of cut and reduced grain. Soft, pliable brushes are firm enough to do the job without damaging the plant. The same massaging action that stands up the grass plant also promotes topdressing sand to fall to the thatch layer in light topdressing applications. Additionally, in cases where core aeration is performed and heavy topdressing is applied, the rotating brushes uniformly fill aeration holes from all directions. Front and rear mounted stationary brushes further enhance brush performance in heavy topdressing.

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Overall Width	64"
Drive Mechanism	Chain and sprocket driven by hydraulic motor; adjustable rotary brush speed via flowcontrol valve.
Carrier Mechanism	Ball hitch design; hydraulic ram lifts pan to transport position; hydraulic quick-coupler lines to prime mover; dial-in working-height adjustment for brushes; dual turnbuckle pitch adjustment.

\*Specifications and design subject to change without notice. Grains Keeper manufactured under U.S. Patent 5,477,927. Grains Keeper is a trademark of the CheTech Company.



Separate height and pitch adjustments allow precision leveling to the brushing surface. Hydraulic lift mechanism raises pan well above ground level for transport.

## AeroForce promotes aerobic respiration in turf with minimal playing surface disruption.

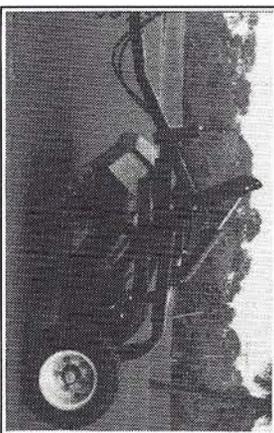
This unique integrated spiker/roller design employs a two-section star-bladed spiker followed by a three-gang roller to fold the foliage back over the perforations in the turf without closing them. The result is immediately playable greens with a smoother and faster playing surface, thanks to the beneficial effect of the turf rollers. The AeroForce promotes many of the benefits of coring (improved infiltration and severing of stolons and rhizomes for stimulated root and shoot growth) with fewer disadvantages, including no noticeable disruption of the turf's surface, and lower potential for turfgrass desiccation or weed development thanks to the immediate restoration of the foliage canopy over the aeration slits.

The AeroForce's spiker units can be independently raised out of action, thus enabling utilization of only the roller gangs to true up and speed up playing surfaces without aerating. Such a roller configuration offers a compact, versatile alternative to expensive, self-propelled rider units.

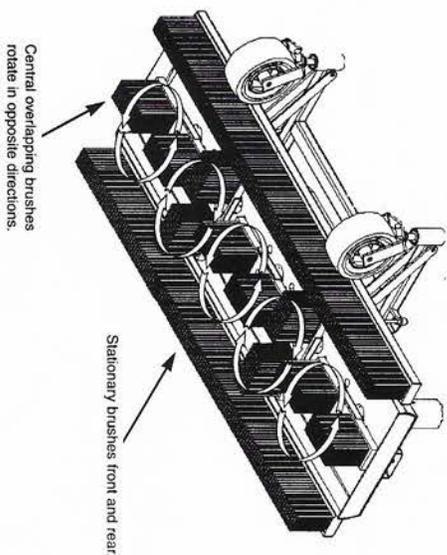
The AeroForce is equally useful on fairways and other heavily trafficked turfs, as leverage from the hitch configuration and additional ballast provided by fluid filled rollers allow penetration of to 2.5", even in compacted soil. The integral spiker/roller design lends itself equally well to Bent Grass overseeding and seedbag preparations, ensuring favorable contact between soil and planting materials.



Spiker unit can be raised to allow pure turf-rolling (above). Hydraulically operated transport wheels lift unit to provide ample ground clearance (below).



### Bottom View of Grains Keeper II



### AEROFORCE SPECIFICATIONS\*

Shipping Weight	605 lbs.
Working Width	66 inches
Working Depth	Variable from zero to 2.5", with dial-in adjustment; lock-out pin to fully disengage spiker units
Blade Dimensions	High carbon steel star blade, .105" thick, 10" diameter, 13 pints per blade, 28 blades total, spaced at intervals of 2.4"
Roller Dimensions	3 sections each section 31" long, 8-5/8 diameter; 88 lbs (empty); hollow rollers can be fluid filled to increase weight; up to 8 gallons each; spring loaded spring loaded scraper blades
Carrier Mechanism	Ball hitch design; hydraulic ram lifts to transport position; hydraulic quick-coupler lines to prime mover' optional bolt-on weight tray

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# A guide to selecting fuel storage tanks

by MECO Environmental, Inc.

MECO Environmental, Inc. was incorporated in 1986 to serve the petroleum storage industry. Over the past 11 years the petroleum industry and contractors serving it have experienced a great change in the way projects are designed and constructed. MECO has installed fuel storage facilities at over 25 golf clubs throughout Massachusetts, and in each case we have been required to design a facility that meets the needs of the club and satisfies the requirements of the local fire marshall.

I mention the local fire marshall up front, because it is through this office which all permitting and licensing is done. Ultimately this officer of the town has authority to approve or disapprove the tank project, so it is here we begin our design. Usually the fire marshall states that their town follows the Commonwealth of Massachusetts Fire Prevention Regulations 5.27 CMR 9.00 with respect to fuel storage tanks/containers. We always ask if the town approves/disapproves of above-ground fuel storage tanks for gasoline. Even though fire-resistant above-ground tanks are approved for use in Massachusetts for storage of gasoline, individual towns have authority to restrict/forbid their use. Assuming the club has a valid license to store X amount of gallons of fuel on the property and your goal is to store up to that amount in your new facility, you should be all set to select which storage system serves you most efficiently. With this information, we now know the parameters in which we can work in designing a fuel storage facility.

The first decision is whether to store fuel above-ground or underground. This decision is sometimes out of your hands via the local fire marshall, board of directors, conservation commission, club owner, etc., and needs to be answered up front. The advantages of above-ground storage are that you can always relocate the facility, the system is easy to maintain, the ability to monitor a potential problem in plain sight, and you are no longer owner of an underground tank. The often cited drawbacks of above-ground tanks are that they take up precious space, distance

requirements from property lines and buildings can be difficult to meet, they are targets for vandalism/product theft, and they tend to be slightly more expensive than underground tanks. Those are questions that you must answer in deciding which method of fuel storage will serve your club best, not only this year, but in years to come. First, let us look at underground tanks and equipment options.

The way I look at underground storage tanks, there are basically three options, but before that, note that all underground tanks should be 360 degrees dual-wall and manufactured to the UL specification for that design. First, you have cathodically protected dual-wall steel underground tanks manufactured by a Steel Tank Institute licensee. Second, there are dual-wall fiberglass reinforced plastic (FRP) tanks manufactured by Xerxes or Fluid Containment tank manufacturing companies. Last, there are numerous designs, often called composite designs, that are a steel primary tank with a non-metallic secondary jacket. All underground tanks we have used are covered with a 30-year warranty against corrosion. Each manufacturer claims their product is superior, and it is not my mission to advertise one product versus the

other, but rather to point out what the strengths of each product.

I have found dual-wall steel STI-PS tanks to be the least expensive tank per gallon of storage in the under 3,000 gallon sizes. STI-P3 tanks include (1) sacrificial zinc anodes attached at each end which protect the tank against corrosion; (2) the tank was sandblasted and coated with 10-15 ml of protective coating; and (3) di-electric bushings in each tank opening electrically isolate the tank from all piping/accessories to preserve the cathodic protection system. Steel tanks cannot be challenged for structural strength, and properly maintained should easily serve for 30 years. Steel tanks are very flexible in size configurations. The knock on steel tanks is always corrosion. High water tables or tidal areas can accelerate corrosion and cause premature exhaustion of the sacrificial anodes. In these instances it is imperative to insure the tank is electrically isolated from any other structure and to continue to monitor the level of cathodic protection given by the anodes. Supplemental anodes may need to be added during the life of the tank to insure sufficient protection.

*continued on page 6*

## Friend of the Association Profile

### Meet Sports Club Management, Inc.

Sports Club Management, Inc. is a training and consulting company that specializes in helping golf courses, tennis/racquetball/squash clubs, and health clubs get in "good faith compliance" with various OSHA and EPA regulations.

Compliance reduces the club's exposure to fines and lawsuits, and more importantly, reduces personal risk of being sued and/or imprisoned.

Sports Club Management offers the following services and products that meet the legal requirements:

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- Noise Protection Program (required at most golf clubs)
- Emergency/Contingency Plan (required)
- Injury & Illness Prevention Plan (recommended for courses & clubs)
- Safety Training Program (A written, standardized training program complete with tests and ongoing evaluations is required of all clubs.)
- Blood-borne Pathogen Program (required at some courses, most clubs)

All of our services and products are delivered onsite at your club, and come complete with hands-on training, written documentation tailored specifically to your club, and ongoing support. Call us today to get more information about how we can help you meet your legal requirements.

## Fuel storage tanks . . .

*continued from page 5*

Fiberglass tanks, especially in smaller sizes, tend to cost more per gallon of storage than the competition. With fiberglass you do not have the threat of corrosion, but nor are you able to enjoy the structural strength of steel. FRP tanks have improved greatly in the last decade, and are now completely alcohol compatible to safely store all fuel blends.

Composite tanks were designed to utilize the strengths of steel and the corrosion protection of fiberglass. Designs are numerous, but the premise is the same: a steel primary tank with a fiberglass or other non-metallic outer shell serves as the secondary shell. Dual-shell steel tanks are also available with a fiberglass exterior, providing a very durable cathodically-protected fuel tank.

It is our opinion that if a club needs both diesel fuel and gasoline, the best way is to put both products into the same tank with the use of a compartment bulkhead.

This can be done with underground and above-ground tanks. We have found that dividing one tank into two compartments results in a neat and economical installation. Tank sizes and design do limit flexibility on the sizes of each compartment.

Above ground tanks are a new option and significant in the fuel storage tank industry. It should be noted that storage of diesel fuel/heating fuel above ground has always been permitted, and in 1994 storage of gasoline above-ground was approved, provided it is stored in a fire-resistant UL 2085 listed tank. (In certain applications gasoline may be stored in a non fire-resistant tank. This should be discussed with your local fire marshall.) There are a number of manufacturers of fire-resistant above-ground tanks, most notably ConVault, Hoover Containment, and Fire Guard. The basic difference in design is that the ConVault tank is a steel rectangular tank with a polyethylene secondary jacket enclosed in a 6" steel reinforced concrete shell. The Hoover and Fire Guard tanks are both dual-wall steel tanks

with 6" of lightweight concrete between the two walls of the tank. Both designs provide 110% secondary containment, 20 or 30-year warranty, and thermal protection. Above-ground tanks need to be filled with a truck that has pumping capability, must be properly vented and emergency vented, and should be protected from vehicular traffic. Above-ground tanks normally have pumps mounted atop the tank to avoid costly anti-siphon and pressure regulating equipment. When these tanks are larger than 1000 gallons, one or two-step platforms are usually required for pump access and filling. These tanks can be configured with compartment bulkheads to store more than one product. It is not necessary to store diesel fuel in a fire-resistant tank. However, once you price purchasing and equipping an additional tank solely for diesel, storing your diesel in the same tank with the fire-resistant protection is an attractive option.

Stage II vapor recovery for small tank not-for-resale installations is a gray area in

*continued on page 8*

## **DIVOT DRIFT...announcements...educational seminars...job opportunities ...tournament results...and miscellaneous items of interest to the membership.**

### **MEMBERSHIP**

**Welcome new members:** Richard Chute, Assistant Superintendent, York Golf & Tennis Club, York, Maine; Scott Lagana, Assistant Superintendent, The Country Club, Brookline, Mass.

**Proposed for membership:** Anthony Grosso, Superintendent, Pautipaug C.C., Baltic, Conn.; Robert W. Flynn, Superintendent, Lakeview G.C., Wenham, Mass.; Jamie Pavius, Superintendent, The Ridge Club, Sandwich, Mass.; Mark Williams, Superintendent, Wianno Club, Osterville, Mass.; Shawn Fernandez, Assistant Superintendent, Wianno Club, Osterville, Mass.; John A. Garstka, Assistant Superintendent, Stow Acres C.C., Stow, Mass.; Todd S. Legassy, Assistant Superintendent, Stow Acres C.C., Stow, Mass.; Brian A. Cormack, Assistant Superintendent, Franklin C.C., Franklin, Mass.; Koonz Supply, Friend, Springfield, N.J.; Sean Christopher, Affiliate, Koonz Supply, Springfield, N.J.; Cavicchio Greenhouses, Inc., Friend, Sudbury, Mass.; Darren Young, Affiliate, Caviochic Greenhouses, Inc., Sudbury, Mass.

### **INFORMATION**

**Thank you** to James Carroll and staff at Cohasset Golf Club for the great time during the 5th Annual Memorial Golf Tournament.

**Our condolences** go out to the family of Nazareth J. Sperandio, former superintendent at Concord C.C., who passed away recently. He helped our association for many years during his long tenure as superintendent at Concord C.C.

**James Conant**, superintendent at the Country Club of Pittsfield, has completed a renewal process for maintaining his status as a Certified Golf Course Superintendent (CGCS) with the Golf Course Superintendents Association of America. Conant has been superintendent at the Pittsfield, Mass. course since March 1997. He initially achieved his title of CGCS in 1992.

**Eric Matthews**, son of Bob Matthews, CGCS, earned the rank of Eagle Scout on March 8 at his Eagle Court of Honor held at Marshfield Country Club. Eric, 15, is a Boy Scout in Marshfield Troop 101, and plays on the high school hockey and golf teams. Eric works part-time for his father at Marshfield C.C.

**Ron Hansen**, Golf Course Superintendent/Property Manager at Eastman Community Association in Grantham, N.H. recently completed the Environmental Protection Agency's national field study course, "Operation of Wastewater Treatment Plants". California State University at Sacramento administers the program for EPA, and presented Hansen with a Certificate of Completion. Topics

covered include all phases of the operation and maintenance of wastewater treatment plants. Hansen is responsible for an 18-hole golf course, 50 miles of private roads, seven beaches along the community lake, and all the landscape and recreational grounds within the 3500-acre residential community development. Hansen has been at Eastman for eight years, has a B.S. degree in agronomy from the University of Georgia, and an A.S. degree from Stockbridge School of Agriculture at University of Massachusetts.

### **TOURNAMENT RESULTS**

**GCSANE Scholarship & Benevolence Tournament**  
Cohasset C.C., May 5, 1997

1st Gross: Bob Marsden & Rick Marcus - 69  
1st Net: Mike Iacono & Mark Richards - 63  
2nd Net: John Hunt & Tim Keating - 64  
3rd Net: Mike Cornicelli & Jack Hassett - 64

Closest-to-the-Pin:  
Hole #2: Robin Hayes - 6'  
Hole #6: Greg Misodoulakis - 16"  
Hole #12: Jack Murphy - 11'6"  
Hole #15: Chris Katralis - 12'3"

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**Host Superintendent Profile**

# Meet host superintendent Brian Cowan, Eastward Ho! C.C.

The host superintendent for our June meeting is Brian Cowan of Eastward Ho! in Chatham, Mass.

Brian has been the golf course superintendent at Eastward Ho! since 1967. After graduation from high school in 1961, he moved to Massachusetts and worked at Spring Valley C.C. for the late John P. Callahan. "John was instrumental in my involvement in golf course management."

After graduating from Stockbridge in 1965, he took his first assistant's position under Chuck Fatum at Hampshire C.C., where he spent one year. Brian and his family moved to back to Massachusetts and Cape Cod in the fall of 1966. His first adventure was the completion of the Dunfey's Par 3 Resort in Hyannis, now known as Tara Woods. "My biggest thrill came in the spring of 1967, when Guy Tedesco told me of a position that was coming up

on the lower Cape. Undoubtedly, the best move of my career."

A Certified Golf Course Superintendent since 1977, he is past president (1979-80) of the Cape Cod Golf Course Managers Association. He also has been GCSANE Golf Chairman and President (1982-83).

He and his wife, Joan, reside in Harwich, Mass. His son, Chris, no stranger to the business, is a sales representative for R.F. Morse, Inc. His oldest daughter, Cheryl, lives with her husband in Hong Kong; and Jennifer, his youngest, is a junior at Bryant College.

## Fuel storage tanks . . .

*continued from page 6*

the regulations. Many superintendents feel a stage II vapor nozzle is difficult to use when fueling equipment, and pulling the rubber nozzle boot back defeats the purpose of Stage II vapor recovery. Another issue is the requirement of an electronic monitoring system for the dual-wall cavity of above-ground tanks. Both issues are best left to the fire marshall.

Regardless of the system, 527 CMR 9.00 insures that it will be environmentally sound. Federal regulations mandate all fuel storage tanks must be in compliance by December 1998. Most contamination is caused by leaking piping, overfilling, and poor usage. Underground tanks are not to blame for most problems today. Equipment sold today is superior to yesterday's technology. This equipment, installed properly by qualified/certified contractors, will insure that a once troublesome issue is no longer a problem.

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