



# THE NEWSLETTER

Golf Course Superintendents Association OF NEW ENGLAND, INC.

Sponsors and administrators of the Troll-Dickinson Scholarship Fund — Awarded yearly to deserving Turf Management Students.

October 1991

## *The weatherman is the superintendent's best friend ... well, sometimes at least*

### **November Meeting**

Tuesday, November 5, 1991  
Sandy Burr G.C., Wayland, MA

Host Superintendent  
Charles Zeh, Jr.

Guest Speaker  
Mr. Mark Secore  
Isolite Porous Ceramics  
Soil Modifying System

9:00 a.m.	Board Meeting
10:30 a.m.	Regular Meeting
11:00 a.m.	Education
11:30 a.m.	Lunch (Golf after Lunch)

Reservations Required  
Call before October 29, 1991  
(617) 527-6968

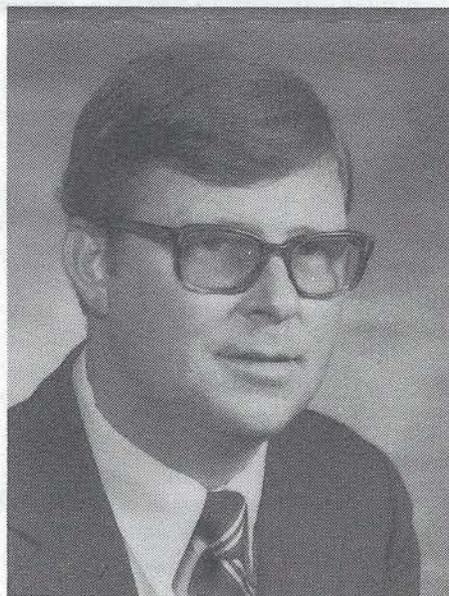
Charlie Zeh has been superintendent at Sandy Burr G.C. for 20 years. Prior to Sandy Burr he was assistant superintendent at St. Mark's G.C. in Southboro for two years, then graduated from Stockbridge. Over 20 years Charlie has been involved in every aspect of course construction and maintenance. Married for nine years to his wife Irene, they live in Marlboro with a four-year old daughter, Chantal. In his spare time, Charlie enjoys golf, gardening, and fishing.

Directions: From 128 North, take exit for Rte. 20 Weston. Follow Rte. 20 west to Wayland Center. Go left at lights (Rte. 27). Course is 3/4 miles on right. From 128 South, take exit for Rte. 20 Weston. Bear left at rotary and head towards Weston on Rte. 20. Stay on Rte. 20 to Wayland Center and take a left at the lights (Rte. 27). Club is 3/4 miles on right.

Whither the weather?  
And hats off to the weatherman?  
But, then again, who needs him?

"Well, there's no one else out there who can give us a line on whether it's going to rain, the sun will shine, or the wind will blow," Weston Golf Club's Don Hearn sized up the situation. "But the weatherman is here to stay and, certainly, there are times when we have to rely on his expertise."

Golf course superintendents across New England agree that the weather forecast constitutes input in their conditioning schedules. Some put a lot of stock in the predictions, other's aren't convinced the weatherman carries that much dependability. In either case, he commands an audience.



"I keep my radio on all day," continued Hearn, a former GCSAA national president. "I tune it to WBZ and AcuWeather reports. But it's not like I record every change, every trend. With me, it's more like keeping mental notes on the forecasts."

"If I want to lay down a dry fertilizer, I like a rain prediction of 75 to 100 percent," explained Hearn, who always sets his work schedule with alternatives attached. "I'm ready to do something else if the predicted rain doesn't materialize."

"The same goes for irrigation. Unless the probability of rain is very strong, I do my regular watering. My attitude is, if the forecast isn't on the money, I'm in the soup. I just can't afford to depend on the weatherman when we're talking irrigation."

Doug Stachura, super at the Springfield Country Club, gives weather seering business to two outlets.

"At night, I get an idea of what's coming from a local TV station, WWLP," Doug disclosed. "Then, in the morning I turn on  
*continued on page 2*

*"There's no one else out there who can give us a line on whether it's going to rain, the sun will shine, or the wind will blow."*

*Don Hearn*

**PRESIDENT**

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**EDUCATIONAL CHAIRMAN**

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Club Affiliation - Newton Comm. G.C.

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Club Affiliation - Whitinsville G.C.



KIP TYLER, CGCS  
Newsletter Editor

RONALD MILENSKI, CGCS  
Business Manager

GERRY FINN  
Contributing Editor

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the radio to see if there have been any forecast changes overnight. I'd rate the forecasts fair to good. You know, like the weathermen themselves, when they say it's going to be partly sunny and partly cloudy. What's that?

Stachura doesn't look at forecasts as hard-fast bases of information to arrange his conditioning program. "I've always used the forecasts as a guide for what I'm going to do from day to day," he said. "It's a help to get a read on what we can expect from the weather. But I keep forecasts in the category of being an aid to the superintendent, not something to be regarded as a command."

Sometimes Dave Clement plays the weather forecast game and wins; sometimes he gets into it and loses.

"It helped me recently when I was waging war with Japanese beetles," offered Clement who serves up the green grass in Vermont at the Woodstock Country Club. "But it hasn't paid off for me at other times. You have to admit though, the forecast plays a part in virtually every superintendent's maintenance schedule."

Clement uses local radio reports and telephone hook-ups to weather stations in Woodstock and White River Junction as his sources of information.

"I'd say the forecasts come in right about 50 to 55 percent of the time," Dave remarked. "But I have a rule of my own. When the forecast says the changes of rain are 50 percent or less, I don't depend on it. As a matter of fact, I pay no attention to it with the irrigation program. Actually, I'm all for rainless forecasts. There's nothing like being able to control watering fairways, tees, and greens."

That "luxury" is missing from Len Blodgett's maintenance arsenal at Kittansett, where the veteran superintendent has to operate without an irrigation system.

This summer has been a nightmare for Len. "One of my toughest," he reported after another hot, humid day. "My schedule is unlike most of the other guys. I do my dry feeding in May and early June and go on liquids until the fall. This year we had an early summer; so, I've been waiting, praying, and hoping for rain." (Editor's note: This article was held over one month so we could do a special on Hurricane Bob. Lenny overdid it on the rain praying.)

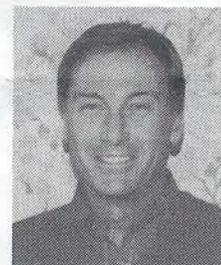
Blodgett's radio kicks on at 4:30 a.m. every day and the dial stays on the weather forecast station. A special band gives him access to the weather bureau.

"I just keep my ears glued to those forecasts and hope to hell they're right,"

***"I just keep my ears glued to those forecasts and hope to hell they're right. I don't even pay attention when showers are predicted. I can't depend on them."***

**Len Blodgett**

Len revealed. "I don't even pay attention when showers are predicted. I can't depend on them. Maybe we'll get irrigation. The problem is source. We're in a town (Lakeville) where water use is restricted and, worse yet, the town has to get its water from a neighboring community."



Tedesco's Peter Hasak gives the weatherman hot and cold marks.

"He's usually right when he calls for a sunny, warm day," Hasak quipped. "But, he's been way off on his rain predictions. I'd say I catch about 10 weather reports a day on radio, and, yes, I use them as a guide to set up my schedules. However, I have an ace in the hole because those schedules are flexible. I don't want to be scrambling out there when the forecast goes haywire. So, my trust in the weatherman has its loopholes."

The weatherman. How much do you trust him?

**GERRY FINN**

## Calendar

Nov. 5 Regular Meeting  
Sandy Burr G.C.  
Wayland, MA

Dec. ? Regular Meeting  
Nashawtuc C.C.  
Concord, MA

Long Range:

March 7, 1992 MGA Seminar

March 24, 1992 USGA  
Regional Conference  
Wakefield, MA

# The Super Speaks Out:

*This month's question: With the omnipresence of Japanese beetles and grubs, a given in the maintenance life of the golf course superintendent, how do you cope with this nuisance, and how does your program shape up in effectiveness?*

**Dick French, Longmeadow (Lowell) Golf Club:** "The timing here is just about perfect. You called about beetles and I'm just about ready to give my fairways the treatment—a good shot of Turcam on the 10th of September.



"So far, I've had very good luck with

this kind of program. However, it's not a cure-all because the adult Japanese beetles are still around and I have to deal with them with spot insecticide spraying.

"My biggest problem is with the grub form, as is everyone's. The grubs serve as a feeder source of damage because they attract animals and birds who do anything to the turf to get at those little devils.

***"We discourage the proliferation of grubs ... then live with the adult beetles until they run out of time. Fortunately, they have a short life span."***

**Dick French**

"We get the usual grub hunters—crows, skunks, and an occasional raccoon. They rip away at the turf and do enough damage to cause a re-seeding process. Of course, we can't do anything to get rid of the animals because of the nature of the environmental protection attitude that's become popular not only in New England but all over the country.

"So, I guess the best way I can answer the questions of control is to say that we try to discourage the proliferation of grubs through the use of Turcam and then live with the adult beetles until they run out of time. Fortunately, they have a short lifespan. But while they're alive, they remain a nuisance. It's all part of the game."

**Gary Luccini, Franklin Country Club:** "I've tried a lot of chemicals trying to nip growth of the beetle grubs and find that the best results come from regular treatment with Oftanol. I spray my tees, fairways, and tee banks, and the results are excellent.



"Naturally, this doesn't get rid of all of them and I see the first signs of their existence when the animals start working over my turf to get to them.

"For some reason we seem to attract more skunks than other animals or birds. My mechanic, who's an outdoor sports addict, has rigged up traps to get the skunks and they've worked pretty well.

"As for the hatched-out, adult Japanese beetles, I don't bother much with them other than spraying with a little liquid Sevin or running them down with the gang mower. I mean, sometimes you can't avoid that the way they gather in bunches.

"Regardless, I look at the beetles as more of an annoyance than a serious problem. They really haven't got to me yet."

**Leo Waters, Milton-Hoosic Club:** "I always know when it's time to think about the negative effects of grubs. That's when I see the crows starting to regroup and make plans to go down deep into my fairways to find their supper.

"My program has changed, or the chemical I use is different, at least for the moment.

"I had gone exclusively with Turcam, but I had bad results last year. So, this year I've switched to Oftanol. I put it down late summer, after the hatching season, so we'll see what happens now.

"Mind you, this isn't meant as a condemnation of a product, because I think there is apt to be a breakdown in the effectiveness of one chemical through constant use.

"There's really not much you can do as far as the adult beetle goes. They thrive on certain foliage, mostly fruit and small trees, but their life expectancy is so short

what damage they do is minimal compared to the damage animals and birds cause searching for the grubs.

"We have lots of those hunters here, especially crows. They tear up the turf and sometimes they are relentless doing it. Of course, we can't do anything about eliminating them, so what we're stuck with is repairing the damage they cause.

"I've been here long enough (12 years) to know where to concentrate my efforts fighting the grubs. Therefore, I treat about one-third of the fairways and spot spray the rest. I guess it's another one of those things the superintendent has to live with."

**Michael Cerveny, Tekoa Country Club:** "I've had experience with both popular chemicals, Turcam and Oftanol, and this year I've switched back to Turcam. It's the same old story with Oftanol. Seemingly, the grubs build up a resistance to it because of constant use. It just hasn't been working that well lately, so I've gone to Turcam.

"My dealing with grubs may be different than other supers. Sure, I get damage from birds and animals digging up the turf to get at them; however, the most severe damage comes from the grubs themselves, from feeding off the plant roots. This means I really go into a concerted attempt

***"Adult beetles aren't that much of a bother. The grubs? They're another thing, all bad."***

**Michael Cerveny**

to kill off the grubs while they're ripe for killing. I'm told that before I came here, grubs used to eat out entire fairways.

"Adult beetles aren't that much of a bother. They seem to like our crab apple trees and young maples. However, that type of damage is minimal. I can take that. The grubs? They're another thing, all bad. I'll never learn to stomach them."

GERRY FINN

# “Birthplace of golf” seeks a manager

from GCSAA Newslines, Sept. 1991

It's the stuff dreams are made of: the opportunity to reach the pinnacle of the profession, at the birthplace of golf.

St. Andrews Links Trust is seeking qualified candidates for the new position of golf manager at St. Andrews in Scotland. According to the position announcement, the St. Andrews golf manager “will have responsibility for ensuring the excellent presentation and maintenance of all courses and the associated estate and facilities at all time.” St. Andrews’ golf facilities include the Old Course, which has been the site of 24 British Open Championships, and three other courses, two of which are considered to be of championship standard. Another two courses are currently being constructed.

“For a professional golf manager this must be one of the leading appointments in the world of golf,” the position announcement stated. “Candidates should be technically qualified, ideally in agronomy or estate management, and have a first-class track record in managing a significant golfing venue where there is a high emphasis on customer service. Involvement at the highest championship level would be especially valuable.”

Regarding compensation, the announcement stated, “Obviously, an appointment of this significance will not be restricted by salary or benefit limitations.

Individual requirements will be negotiated either on an open-ended or fixed-term contract basis.”

Inquiries about the golf manager position should be directed to Ronnie Cleland, Selection Thomson Ltd., 14 Sandyford

Place, Glasgow, Scotland G3 7NB, telephone 041/248-3666, fax 014/248-3404.

The position is one of three senior posts recently created. The other positions are in finance and administration, and in championships and development plans.

## New meeting request form prepared

(This is the text of the form that will be sent to clubs interested in hosting a monthly meeting. Thanks to Jim Fitzroy for preparing it.)

On behalf of the members and officers of the Golf Course Superintendents of New England, Inc. thank you for allowing us the opportunity to visit \_\_\_\_\_ for our \_\_\_\_\_ meeting.

In order to insure a smooth and orderly day, we respectfully submit for your consideration the following meeting requests.

1. The meeting is generally attended by 70 to 90 members of our association. Our association consists of regular, affiliate, assistant, student, and honorary members. We do not discriminate against race, creed, or gender. The number of meals and players for golf will be confirmed by a member of our Board of Directors and arrangements should consider the composition of our membership.

2. Green fees are expected to be waived as a professional courtesy; however, golf

cart and/or caddy arrangements are left to the discretion of the host club.

3. To insure the smooth flow of play and make your course available to members as soon as possible, we would prefer a shotgun start.

The Golf Course Superintendents Association of New England, Inc. was formed in February of 1924 and is the oldest local association in the nation. Our objectives are to further education in golf course maintenance, encourage the free exchange of ideas and experience, and to encourage the highest standard of dignity, integrity, and skill in our profession.

Visiting and playing various golf courses is an integral part of our association's education and experience process. By asking our member clubs to host a meeting approximately once every five years, we are afforded an opportunity to see a wide range of golf facilities.

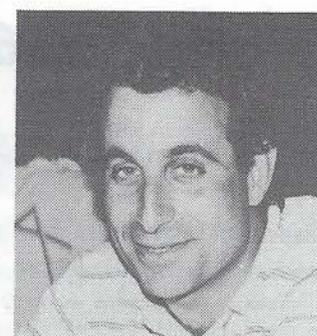
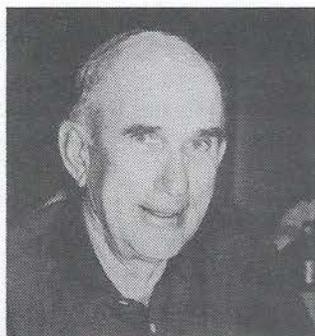
We appreciate including \_\_\_\_\_ in that process.



### Scenes from Hurricane Bob

Left: 3rd fairway, Blue Course, C.C. of New Seabury. Below: 2nd tee area, Blue Course, C.C. of New Seabury; Right: Salem Country Club





## Faces at Foxborough C.C.



Top row, left to right: John Petraitis, John Allen, Leroy Allen, Mike Iacono. Bottom row, left to right: Charlie Dickson and Foxborough C.C. manager Nora Berard.

# An overview of storage tank regulations

The following is the summary of the presentation at the Golf Course Superintendents Association of New England, Inc. Meeting on September 9, 1991 (Guest Speaker: Timothy Stone, Principal/Hydrogeologist, Stone Environmental Sciences, Inc., P. O. Box 560, Hampstead, NH 03841-0560, (603) 329-4016).

### Tank notes

- EPA estimates there are close to 1.7 million regulated and 3 million unregulated (primarily small and consumptive use fuel oil) underground storage tanks throughout the U.S.

- Officials estimate that from 15-35 percent of tanks and related piping systems are leaking.

- Tanks can lose over 400 gallons per year and still meet Massachusetts Department of Environmental Protection tank tightness requirements of 0.05 gallons per hour (EPA standard: 0.1 gallons per hour).

- Cleanup of a release of motor fuel which impacted soil and/or ground water can easily exceed \$100,000 and has often exceeded \$1,000,000 in large releases.

### Massachusetts regulatory requirements overview

(Refer to the Board of Fire Prevention regulations for detailed requirements - 527 CMR 9.00 Tanks and Containers.)

- All new tanks must be double walled and have cathodic protection, an interstitial monitoring system, spill containment units, overfill protection devices, and piping with secondary containment (except are consumptive use tanks < gallons).

- Existing tanks: Mandatory inventory recordkeeping and tank tightness testing, in tank monitoring system, or interstitial monitoring. Tank tightness testing at 5 year or 1 year intervals depending on tank system design.

- If a leak is confirmed, the local fire department must be notified immediately and DEP notified within two hours. The tank must be taken out of service immediately.

- All abandoned tanks must be removed unless removal would endanger the structural integrity of an adjacent tank or a building located over the tank.

- Upgrading existing tanks: Spill containment manhole and overfill prevention device by May 30, 1993. Leak detection systems for tanks of certain ages starting December 22, 1990, all tanks by 1993.

- Financial responsibility requirements have just been extended and now must be met by operators of 12 or fewer tanks or non-marketers with net worth less than \$20 million by December 31, 1992.

- Check local fire department requirements. Remember, Home Rule Prevails.

### The costs

- Precision Tank Testing: \$300-600/tank depending on size and number of tanks tested at location.

- Tank removal: Average cost for tanks 2000 gallons = \$.75/gallon. Typical cost for removal of a 1000-2000 gallons fuel oil tank = \$1500-2000 (Assumes no release has occurred).

- Tank replacement: Cost with state of

the art monitoring is \$5-10/gallon. Typical cost for replacement of a 2000 gallons fuel oil tank = \$20,000

- Tank Closure Report: Field observation of tank removal, post excavation sampling, and analyses, photodocumentation, and letter report = \$1500-2000.

- If a release has occurred: Phase I Limited Site Investigation: Monitoring well installation (3), ground water and soil sampling and screening, reporting, and preparation of DEP documents required for Waiver of Approvals = minimum \$10,000. Additional Investigations and Remediation: \$25,000 - ??.

The estimated costs shown above are for reference purposes only. Actual costs are entirely site dependent.

### For more information/other states

EPA RCRA Hotline: (800) 424-9346;  
**Connecticut:** Department of Environmental Protection, Hazardous Materials Management Unit (203) 566-4630;  
**Maine:** Department of Environmental Protection, Bureau of Oil and Hazardous Materials (207) 289-2651;  
**Massachusetts:** Department of Public Safety, Greg Mooney (508) 851-9813; Department of Environmental Protection, UST Program (617) 292-5903;  
**New Hampshire:** Department of Environmental Services, Water Supply and Pollution Control (603) 271-3503;  
**Rhode Island:** Department of Environmental Management, Division of Ground Water (401) 277-2234;  
**Vermont:** Department of Environmental Conservation, Hazardous Materials Division (802) 244-8702.

# Briefly speaking ... from GCSAA publication

from GCSAA Briefing, July 1991

## Misleading "non-toxic" & "safe" advertising claims under scrutiny

Chemical companies as well as lawn-care providers are coming under fire for false or misleading advertising. This scrutiny focuses on claims that products or services are "non-toxic" or completely "safe".

While FIFRA does not regulate lawn-care company advertising, it does prohibit

advertisers of chemical products from making claims as part of a pesticide's distribution and sale that differ substantially from claims made on the label. Superintendents should be knowledgeable and candid about the toxicity of golf course chemicals when talking to the media about the uses of those chemicals.

## Traces of herbicides found in rainwater samples; study confirms pesticide vaporization

Traces of herbicides were found in rainwater samples from 23 states in a study

recently completed by the U.S. Geological Survey. The herbicides detected included atrazine, alachlor, metalachlor, and a degradation product of atrazine. The main source of the herbicide pollution is believed to be agricultural pesticide use.

This is the first major study to confirm that pesticides can be transported through vaporization into the atmosphere. Although turf applications were not believed to have contributed to the pesticides found in the rainwater samples, superintendents should be prepared to answer questions from concerned citizens and members.

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

### GCSAA SEMINARS

1991-1992 GCSAA  
Northeast Regional Seminars

Golf Course Restoration, Renovation & Construction Projects - October 28-29, 1991, South Yarmouth, Massachusetts.

Personnel Functions of the Golf Course Superintendent - November 5, 1991, Rochester, New York.

Scouting, Sampling & Monitoring Golf Course Pests - December 16, 1991, Portland, Maine.

Environmental Considerations in Golf Course Management - January 13-14, 1992, Cromwell, Connecticut.

Landscape Design & Plant Materials - April 6-7, 1992, Bolton, Massachusetts.

Call 913-832-4444 to register!

### RESEARCH DONORS

1991 Turf Research Donors (as of September 8): Franklin Country Club, The Orchards Golf Course, Nardone Sand & Gravel, In Memory of Warren B. Zepp Sr., Whitinsville Golf Club, The Thomson Country Club, Jack Neville PGA Pro, Walpole Country Club, Nora Berard (Golf Direction Associates), Ridder Farm Inc., Charles Hart Seed Company, Brian Cowan, In the Name of Walpole C.C. - CIBA Geigy, Eastward-Ho Country Club, Weston Golf Club, Tatnuck Country Club, Charles River Country Club, Membership of GCSA of NE. Total of \$3,704. Thanks to the above. There is still time for others.

### REMINDER

Remember to save BLUE TAGS from Certified Seed which are worth \$.50 each to our Association. The following varieties are the ones that have value: Pennncross, Penneagle, Pennlinks Bentgrasses; Citation II, Birdie II, Omega II, Manhattan II, CBS II blend, and 246 Ryes; Columbia, Midnight, Challenger, and Galaxy blend Bluegrasses; Olympic, Apache, Triathalawn blend, Shadow, Flyer, Fortress, Aurora, Waldina, and Bighorn Fescues. Send to Robert Ruzsala, 69 Gelinias Drive, Chicopee, MA 01020.

### INFORMATION

Nick Cammuso, Assistant at International G.C. is out of the hospital after a brief stay.

Paul Roche of P.I.E. Supply Co. has resigned to take on a new challenge in upstate New York.

### MEMBERSHIP

Welcome New Members: Paul Wilson, Assistant, Whitinsville C.C.; Joseph Langley, Regular, White Mt. C.C. Proposed New Member: Daryn Brown, Assistant Member, Worcester C.C., Worcester, MA.

### GRANTS AWARDED

The Turf Research Tournament was begun in 1989 to fund turf research at area

universities. In 1990, the Golf Course Superintendents Association of New England made its first grant. We funded the purchase of a pesticide storage building at the University of Massachusetts turf plots at a cost of \$7800. In 1991, we made the following grants:

Dr. Pat Vittum, UMass - \$1750

Subsurface placement of pesticides

Dr. Rob Wick, UMass - \$5000

Pathogenicity and management of plant parasitic nematodes in putting greens

Dr. Gail Schumann, UMass - \$2168

Summer Patch Disease Study

Dr. Richard Cooper, UMass - \$7800

(1) Bentgrass Cultivars for Putting Greens,

(2) Green rootzone modification with Isolite,

(3) Pesticide Volatility and Dislodgeable Foliar Residues, (4) Summer Labor on Turf

Plots, (5) Subcontract of certain work to Dr.

J.D. Wilson at Univ. of Guelph.

### TOURNAMENT RESULTS

Foxborough C.C., Sept. 9, 1991

Superintendent's - Team of Two

Low Gross - 74, Rick Tworog/Jim Fitzroy

Low Net - 63, Norm Mucciarone/Bob DiRico

Sales/Affiliate

Low Gross - 80, Dick Gursky/Joe Lazzaro

Low Net - 70, Dennis Friel/Paul Skafas

### PHOTO CREDITS

Photo credit to: Kip Tyler, Tom Colombo, and Rich Gagnon

# Please Patronize These FRIENDS OF THE ASSOCIATION

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Sales Rep. Jack Bordon  
Bulk Limestone Dealer

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and Accessories

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Unionville, CT 06085  
Golf Course & Landscape Supplies  
John Callahan (203) 673-3699

**Geoffrey S. Cornish & Brian Silva**  
Golf Course Architects  
Fiddlers Green, Amherst, MA 01002

**Country Club Enterprises, Inc.**  
Club Car Golf Cars, Carryalls/Utility Cars  
P.O. Box 400, W. Falmouth, MA 02574  
(508) 563-2284

**Chester Drake & Sons, Inc.**  
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Golf Course Construction  
(508) 875-7929

**Elanco Products Company**  
Stephen C. Dolinak  
31 Old Town Trail, Narragansett, RI 02882  
(401) 789-9017

**Gold Star Wholesale Nursery & Sod Farm**  
Bill Thompson  
Lexington, MA, (617) 861-1111  
Canterbury, NH, (603) 783-4717

**Golf Direction Associates**  
54 N. Grove St., Foxboro, MA 02035  
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# Friends of the Association profiles

## **Chester Drake Sons, Inc.**

Chester Drake Sons, Inc. of Framingham, Massachusetts offers several types of services to meet the needs of the golf and recreation industry. The hands-on, family run organization has been involved with turf finish work since 1955, constructing golf greens, tees, fairways, and athletic fields. Expansion into irrigation, drainage, and shaping gave C. Drake added competitive experience through the 80s.

Today, C. Drake offers a full line of construction services to meet the demands of the 90s. The company has expanded into heavy site work with the purchase of several loaders, excavators, and haul trucks. A complete line of dozers facilitates heavy pushing and the finest of grading. Two screen-all plants make useful most on site materials, giving owners more options to spend money in other needed areas. All backhoes are equipped with angling wrists giving Drake operators the ability to proficiently shape the most practical designs of bunkers, paths, and mounds. Angling wrists on the large excavators aid the shaping of mounds and steep slopes in one pass.

All wheel drive machinery, all wheel drive GI trucks, and dump carts give access to tough terrain areas such as wet, swampy lowlands or rocky ledge areas. It also allows for crossing existing turf areas leaving a minimum of damage.

Several Drake machines are equipped

with frost cutting tools, which is handy in keeping job productions going during the winter, therefore interrupting few rounds of golf or athletic events. It also permits work on areas that won't support equipment any other time. Most draining, pond, and rock excavation is done on the frost in winter.

The Drakes are always seeking updated production technology. The use of lasers to grade golf tees, athletic surfaces, and to lay pipe improves grade accuracy. Computer aided design helps to evaluate cuts, fills, and the three dimensional shapes of designs to see how they fit into existing landscape. New methods help to save money and thus assuring the owner satisfactory completion of the job.

Chester Drake Sons serves all of New England.

## **Country Club Enterprises, Inc.**

CCE was started in 1978 and acquired the Club Car product line in 1979 for the eastern New England area.

Since that time, our only focus has been the sale and service of Club Car electric and gasoline golf cars, and the Carryall line of utility vehicles.

Ed McGuire, Dave Farina, Jim Casey, and Judy Chamillard manage the sales effort. Vicki Govoni is our Parts Manager; Randy Pierce handles overall operations; with Steve Wilbur, our Shop Foreman, sharing service responsibilities with

"Sarge" Smith, Paul Chamillard, Mark Wilbur, and Bill Pocknett.

Helping to service our accounts in New Hampshire are Bob Ball, Follow Through Golf Cart Maintenance of Sanbornville, N.H., and Bart Seavey, ABS/B-S Sales of North Hampton, N.H.

In Maine, Reggie Bauer, Reggie's Golf Cars of Leeds Junction is our able service provider.

Thanks to your support, we now sell and service over 100 golf clubs in eastern New England, as well as a host of commercial customers.

Thanks to you, it's working.

## **Announcement:**



### **Retirement party for Norman & Bob Mucciarone**

The retirement party for Norman and Bob Mucciarone will be Tuesday, Nov. 19, 1991, 6 p.m., at Needham Golf Club. Cocktails & hors d'oeuvres will be served. Make reservations on or before Nov. 16. The cost is \$20.00 per person. (RSVP (617) 527-6968.)

**Directions:** From the south - From Rte. 128 South to Exit 18, Great Plain Ave. Left off exit, to Green St., 1/2 mile on left. From the north - From Rte 128 North to Exit 18, Great Plain Ave. Bear right off exit to Green St., 1/2 mile on left.



## THE NEWSLETTER

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