



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.

June 1991

Jeff Carlson gets plenty of mileage and more from his 200-mile commute

You can just call Jeff Carlson "Mr. In-Between".

"Right," the Ocean Edge superintendent quipped. "One day I'm working 20 minutes from Providence, the next 45 minutes from Albany."

July Meeting

Joint Meeting
GCSANE & NHGCSA

Monday, July 15, 1991
Vesper Country Club
Tyngsboro, MA

Guest Speaker
Bert Frederick
Summary of 30 years at Vesper

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 July 11, 1991
(617) 527-6968
(Golf limited to 120 players)

Bert has been superintendent at Vesper for the past 24 years. Prior to that he worked for Manny Francis, Sr. at Vesper as assistant for six years. We all look forward to playing an excellent conditioned golf course on the 15th of July.

Directions: From Boston area. Take Route 128 north to Route 3 north to last exit (Tyngsboro, Dunstable). This will bring you to Route 113. Take left and follow to the Tyngsboro bridge (still Route 113). Go over bridge and take a right. Go 2-1/2 miles, the club will be on the right.

Sounds crazy and it is. Carlson has taken on the added responsibility of overseeing the golf operation at the Cranwell Golf Club. Ocean Edge, his mother club, is located in Brewster. Cranwell's in Lenox. That's a 200-mile commute. That's a lot of miles from which Jeff is getting plenty of mileage in expanding his burgeoning career.

Cranwell, a resort-type golf course with the potential for a successful business conference operation, was the victim of a financial shortfall last year. Consequently, C.J. Hospitality Management Company—an offspring of the Ocean Edge ownership group—submitted a bid that was accepted to give it managerial rights to the Berkshire layout and surrounding grounds.

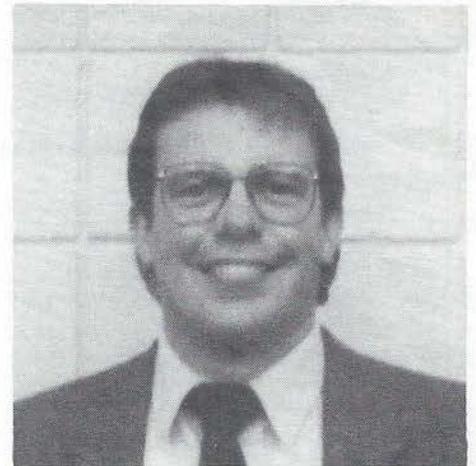
The C.J. people took over at Cranwell in March of 1990 and Carlson found himself sitting in two cat bird's seats.

"Well, not exactly two," Jeff corrected. "My duties at Ocean Edge are related solely to course maintenance and improvement. At Cranwell, I've spread my wings, so to speak. I'm in charge of the golf operation which means everything concerning golf falls under my jurisdiction."

Carlson, ever the keen budding executive, has made two key appointments at Cranwell. He's hired Karl Baumann as the superintendent and Steve Hutchinson as head golf professional.

Jeff says he took a flyer on Baumann since Cranwell is Karl's first stop after graduation from the two-year turf management program at the University of Massachusetts.

"It's unusual for a person to step right into a head super's job without any assistant's experience," Jeff said. "But he



"One day I'm working 20 minutes from Providence, the next day I'm 45 minutes from Albany."

Jeff Carlson

knows the course and is familiar with the make-up of land, soil, and other aspects of turf composition. He had worked at Cranwell before he decided to plunge all the way into the profession and his dedication to the project gives the maintenance program an added boost."

Hutchinson's hiring is interesting.

Steve worked for Bob Molt as assistant at Pleasant Valley and had a commute of

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of his own in that respect. It just happens that he lives just off the 18th fairway at Cranwell. So, when the Cranwell job opened and he applied, Carlson had himself a natural choice.

"That was strictly coincidence," Jeff explained the fact that his pro was living in his backyard. "We ran ads and had several people interview for the job. Steve was an outstanding candidate and I really didn't know he lived in Lenox until I decided he was the right person for the job."

Carlson makes two trips to Cranwell each month, meeting with all department heads and becoming involved in the revenue-turning end of the operation. Jeff admits this is his first experience in learning how revenue is developed. As a superintendent, he knew how to spend money. In his expanded role, he's learning how to raise it.

"That's the exciting part of this new venture," Carlson told. "All of us, I mean supers, know how to draw up budgets and set aside money for emergency expendi-

Carlson tries to give his department heads as much freedom and individual input as they can handle.

tures and the like, but we really don't pay much attention to where that money comes from. For me, it's the next step to becoming the general manager of a golf operation."

The maintenance improvement at Cranwell is moving along nicely and members have reacted favorably to the change in the management of the course and grounds.

"Actually, it was just a matter of getting better equipment and other materials into the hands of the superintendent to improve playing conditions," Jeff said. "That was our top priority last year and once Karl had the wherewithal to work with, the grooming process was well under way."

Carlson tries to give his department heads as much freedom and individual input as they can handle. His philosophy is to meet with them, form a community of ideas, and select the ones that will serve their goals the best.

In recent years Cranwell had developed a bad reputation as a run-down course and the financial prospects of the

golf operation suffered since the complex is surrounded by some of the more picturesque and better-groomed golf courses in western Massachusetts.

"There's plenty of room for improvement, but I think once we set up a conditioning program to go with the much-needed equipment the course always lacked, we'll be on the right side of the Berkshire golf picture," Jeff told. "This is a good layout, built around 1920 and designed by the same people who designed the Taconic course in Williamstown. That one's a beauty, so we know we have solid architectural roots at Cranwell."

Carlson has instituted a few changes in the way the maintenance program is set up and implemented and he's just starting to think about the future and major projects. There are drainage problems to be solved and 12 attractive acres facing busy Route 20 that would be ideal for a public driving range.

"I can think of several things we'll get into along the way," Jeff disclosed. "There's so much potential here. However, the season's a short one. Once the leaves start to fall, the golfers are gone, so I have to give my attention to the conference side of the business as well as the golf end."

Cranwell could be just the beginning for C.J. Hospitality and Jeff in golf course management etc. Early in the spring the company was close to landing another management contract which prompted Carlson to wonder about working out a new title for his job.

"How about Director of Golf Management Services?" he asked. "Whatever we come up with is all right with me. Regardless, I like the challenge. It's new, it's different, and it's exciting. How rewarding? We'll just have to wait and see."

GERRY FINN

Calendar

July 15	Joint GCSANE-NHGCSA Vesper C.C. Tyngsboro, MA
Aug. 1	Supt. Championship Weston C.C. Weston, MA
Sept. 9	Member-Member Tourney Foxboro C.C. Foxboro, MA
Oct. 3	Research Tournament The Country Club Brookline, MA

The Super Speaks Out:

This month's question: The deep tine aerification process appears to have taken root in the maintenance program of the golf course superintendent, so how has its implementation affected your deep tine designated areas?

Keith Gavin, Pine Brook Country Club: "I'm really impressed with the way deep tine has perhaps revolutionized the aerification process.

"So far, we've had two applications, both late in the season. The first was in October of 1989, the second last August. There's only one word for the results—fantastic.



"We had to go to deep tine because our old greens were so compacted regular aerifying methods got down no more than three to three and a half inches into the soil. That was a help in some areas where the soil wasn't too tight. However, that didn't do much more than break up the surface, nothing beyond.

'When our members seemed to notice the improvement, we were sold on it.'

Keith Gavin

"With the first deep tine treatment, the holes went to 8 to 10 inches down and there was a dramatic improvement in soil composition, not to mention drainage. Since that initial application came in October, the results didn't become apparent until the following spring. But when our members seemed to notice the improvement, we were sold on it.

"Last August the second deep tine application brought the openings down to 11 inches. The real eye-opener, then, was the fact that results came through in September, less than 30 days after the treatment.

"My greens program this year is set up with the idea of skipping the fall deep tine treatment and coming back with it next spring. Meanwhile, we're experimenting with the hydro-jet procedure, renting the machine and getting six inches into the soil with that.

"I can see the day when the combination of specified deep tine aerification, coupled with top dressing programs, could eventually eliminate the need for rebuilding greens. In the long run, deep tine might prove to be a time and money saver."

Jim Diorio, Purpoodock Club: "We decided to give deep tine a trial run here, so the first treatment in 1989 was confined to nine holes or our older greens which were built when the club opened in 1923.

"We had the treatment in the fall of that year on greens that were severely compacted and had as poor drainage as you'd probably find anywhere.

"The following spring those greens came through with flying colors. They weathered the winter better than ever before and the drainage was something out of this world. We went down 10 full inches, using a three-quarter inch tine, this on greens where normal aerifying methods got us down only four and a half inches.

"That first treatment was so successful, we went to deep tine for our full 19 holes last fall. This time the newer greens, built in 1954, responded the same as the originals. There was a marked difference in drainage, so much that I've already signed us up for another full treatment this fall.

"Oh, one interesting aside to those first nine holes. The day the deep tine took

"There was a marked difference in drainage."

Jim Diorio

place it was pouring out and the process was so effective drainage was going on as the cut went into the soil. It was amazing.

"The cost of deep tine runs \$3,600 for the 19 holes, but my members never flinched over that once the results of the first nine hole treatment came through.

"I still do my normal aerifying in the spring and I'm setting up a program based

on fall deep tine to be the foundation for giving my members the best possible greens available."

Bruce McIntyre, Tara Hyannis Golf Club: "This will be my third spring taking advantage of the deep tine method. We go for all 20 greens, 18 regular and two practice, and the cost is right up there at \$4,000. However, it's brought nothing but positive results.

"Root growth and drainage have improved dramatically."

Bruce McIntyre

"There had been a deep sand layer under my greens that was so tight regular aerification couldn't make more than a dent in them. The only way to do, then, was deep tine.

"The depth of penetration has been gradual. The deep tine treatment the first year went six inches down. Last year it went eight to 10 inches deep, and we're expecting even better results this time.

"Whereas before deep tine that layer of sand prohibited any root growth, the explosion of roots now is unbelievable. Gradually, that sand layer is disappearing, so root growth and drainage have improved dramatically.

"Presently, I'm thinking that three years of deep tine might be enough so that I can go back to regular, less expensive aerification methods. That was my plan in the first place, to try it for three years, assess the results, and take it from there.

"Whatever the final decision, deep tine has been a savior here. Before we used the service, our deepest penetration aerifying was two and a half inches. You don't know how great the feeling is when you go into a stress period with roots eight inches and more deep. That's the feeling I get now because of going with deep tine."

GERRY FINN

A message from the President

In every organization there is great pride taken as you watch your attendance grow. However, with growth there is change, and change often is accompanied by a fair amount of confusion. Ordinarily there are 50 to 60 people at our monthly meeting. At the last two meetings (Kernwood and Charles River), the attendance has been over 90 at each site. As exciting as it is to see so many attending, new sets of problems are arising.



In regard to education, during the summer our education sessions will be no more

than one hour and, with due respect to the speaker, I would like everyone seated. In regard to lunch, at the beginning of the serving line or entry to the dining room, someone will collect the money (with receipts available) before anyone eats. The tee assignments and/or foursomes will be announced after everyone has been served.

Our intention is not to impede on the congenial nature of our group; however, at last month's meeting in an effort to accommodate everyone at lunch, seven people forgot to pay! I hope as these individuals realize their mistake, they will come forward. I don't think everyone should have to pay for a few.

Again, it's great to see the strong attendance. I hope everyone keeps it up! In closing, I would like to remind everyone about our dress code. As the weather gets warm, please wear only collared golf shirts and no tennis shorts with due respect to our host superintendent and his club.

Thank you.

PAUL F. MILLER

USGA regional agronomist elected Honorary Member of GCSANE

On April 29, 1991, the Golf Course Superintendent's Association of New England elected the USGA Green Section Agronomist for the Northeast Region as an Honorary Member.

Jim Connolly, the present Agronomist for the Northeast Region, will serve as the Honorary Member. This Honorary Membership is in recognition of the many years of fine service that the USGA Agronomists, past and present, have provided to the Golf Course Superintendents of New England.

Calling all cutworms! Lab plans "squirt & look" test on selected greens

Pat Vittum (now in Amherst) would like to conduct a couple small scale studies this summer looking at the effect of beneficial nematodes on cutworms.

These nematodes feed only on soft bodied insects and seem to prefer cutworms and webworms. Studies in various states have indicated that the nematodes can kill the cutworms very effectively, but the challenge is to get the applications down early enough in the life cycle of the cutworms.

Pat would like to conduct some simple "squirt and look" tests on small sections (probably about 20 feet by 20 feet) of selected greens which have consistently experienced cutworm populations in past years. The tests would not involve invasive sampling (in other words, she won't dig any holes on your greens!). In addition, she would operate on the understanding that the superintendent could overtreat the test sites at any time if he felt the cutworm populations were getting out of hand.

If you have any greens which might be candidates for this study or if you have any further questions about the tests or the

nematodes, give Pat a call at her lab in Amherst. The telephone number is 413-545-0268. This number rings directly to the lab. If there is no answer, it means she

is in the field somewhere in the state. If you wish to leave a message, call the Department of Entomology office at 413-545-2283.

GCSAA scholarship packets available; remember to notify your turf students!

from May 1991 GCSAA Newslines

Application packets for GCSAA's 1992 turfgrass scholarship competition are being sent to advisors at turfgrass management programs at colleges and universities across the country.

Rules limit eligibility for turfgrass scholarships to:

- Students who have completed the first year of a two year turf management program;
- Students who have completed the second year of a four-year turf management program; and
- Graduate students enrolled in a turf management program.

Eligible students who hold citizenship outside the United States may compete in the Ambassador Award scholarship program.

Students interested in applying for a GCSAA Turfgrass Scholarship or Ambassador Award may contact their college advisors or GCSAA's Office of Scholarship & Research, 1421 Research Park Drive, Lawrence, KS 66049-3859, telephone 913-832-4470.

Eleven outstanding turf management students were selected to receive GCSAA scholarships for 1991. Winners of the 1992 competition will be announced at the 63rd GCSAA Conference and Show next February in New Orleans.

Friends of the Association profiles

The Borden Company

The Borden Company specializes in golf course lime and its application. The company was established approximately 25 years ago. At that time, the company had only four or five golf course customers. Presently we service over 300 golf courses in the area. We maintain our large customer base because of the quality service our customers receive. We have gone virtually without a complaint since our business began.

Contrary to the reverse economy in New England, customers are using more time to both improve the soil content and to shrink the fertilizer costs. Our small, wide tired trucks are specially designed to apply the material without damaging the turf.

In order to provide our customers with the best service, we can spread the lime during any season except winter, depend-

ing on what is most preferable to each particular customer. During the summer months when the golf season is climaxing, we can begin spreading lime on an 18-hole golf course at 1:00 a.m. and complete the entire course (including the roughs) by 4:00 a.m. After the lime has been spread, it is very beneficial to irrigate the soil and wash 95% of the lime out of sight. This irrigation process allows the lime to become activated much faster, therefore improving the quality of the soil of which, in turn, provides a plush, higher-caliber playing course. With the above attributes in mind, we are looking forward to serving the golf courses of New England for years to come.

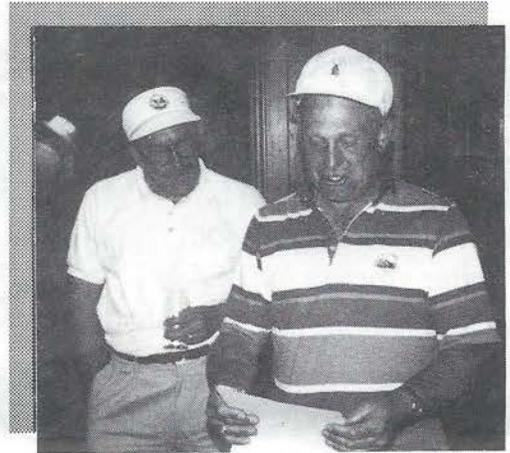
Nor-Am Chemical Company

Nor-Am Chemical Company, headquartered in Wilmington, Delaware, manufactures and markets products for

agriculture, turf and ornamentals, professional pest control, and animal health. Nor-Am serves as Schering AG's representative in the United States.

Dave Sylvester has served the turf profession for 16 years as a manufacturers sales rep, covering New England and New York. He began his golf related career at Timberlin Golf Club, Berlin, CT back more years than he would like to remember. He then entered Stockbridge in 1973, served his placement at Columbia C.C., Chevy Chase, MD, and graduated from Stockbridge in 1975. For the next 9-1/2 years he served as a manufacturers sales rep for the Upjohn Chemical Company.

Since 1985 Dave has been one of 14 specialty chemical reps for Nor-Am Chemical Company covering New England and New York and specializes in selling Nutralene, NitroForm, Banol, Prograss, and Turcam.



May Meeting at Charles River C.C.

Above, first-place gross winners were (l. to r.) Tom Flaherty, Mike Kroian, Art Miller, and Paul Miller. Above right, new Golf Chairman Jim Fitzroy (r.) reads tournament results as Mark Secord (l.) looks on. Lower right, the motley crew at leisure.



Constructing a chemical rinse pad to prevent spills and contamination

It seems like there should be simple, everyday solutions to questions about the proper ways to store, mix, load, and apply turf and ornamental pesticides. However, state and federal regulations are rapidly becoming more complex and restrictive. Newly proposed FIFRA regulations would restrict the areas where mixing, loading, and rinsing of pesticides can take place.

Faced with this prospect, many superintendents and other chemical users are asking what they can do to be prepared for the new laws and regulations. Of course, no one has a crystal ball, but some areas of turf chemical use seem more likely to change than others.

You may know that it is not a good practice to mix and load pesticides repeatedly in the same area. This practice can

The basic design for the Noyes system guides the construction of a watertight, reinforced concrete pad ... plus containment areas for rinse water storage tanks and mixing and loading equipment.

cause pesticides to build up in concentrations. Yet it is a mistake commonly made, since that's where the water for mixing and rinsing is located.

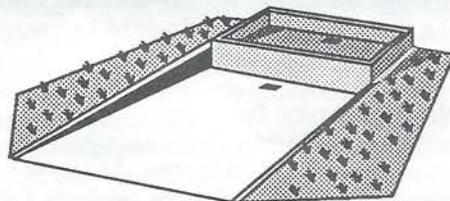
What can superintendents do? You may want to construct a concrete rinse pad to prevent inadvertently spilled turf chemicals from leaching into groundwater or contaminating streams or pools.

Simple, Efficient Design

There are many ways to design and build a cement mixing/loading pad. One simple design was developed by Ronald T. Noyes, extension ag engineer at Oklahoma State University. His standardized, modular design uses input from numerous engineers, researchers, and regulators. A key feature is that it provides size flexibility, allowing superintendents to scale the construction to their needs. Noyes estimates construction costs for a 20 x 25 foot

rinse pad, including professional labor, to be about \$900 to \$1300, excluding equipment such as a sump pump and holding tanks.

The basic design for the Noyes system guides the construction of a watertight, reinforced concrete pad large enough to hold the largest application vehicle you



use, plus containment areas for rinse water storage tanks and mixing and loading equipment.

The pad is sloped to the center and contains floor drains to a sump for easy discharge. Steel-grated, shallow-concrete collection sumps serve as sediment settling basins and are designed to collect spills and rinse water for transfer to above-ground rinsate tanks. A pump can also be used to move solutions directly from the drain valve on your sprayer into rinsate storage tanks.

Capturing Waste Water

To use the rinse pad, the superintendent drives the sprayer onto the concrete pad and makes sure that the sump drain valve (if installed) is locked in the closed position. Any leftover field-strength chemical rinse water from the sprayer drain valve is pumped into a marked rin-

sate tank. Any spills can be hosed into the sump for later recovery.

Rinse water, or rinsate, can be stored temporarily in various types of holding tanks, including portable tanks. More than one rinse water tank will be needed. By collecting rinse water into different tanks, it can be used as make-up water the next time the product or a compatible chemical is sprayed. Caution should be used to follow label instructions and mix only label-compatible turf chemicals.

Site Selection

Selection of a suitable site for the rinse pad is also important. It should not be in a location where the water source can be contaminated by an accidental spill. If possible, pick a site that has not already been used for chemical storage, mixing/loading, or equipment rinsing. If that is not possible, take precautions to remove contaminated soil or otherwise decontaminate the site before constructing a rinse pad.

If you would like more information about Noyes' rinse pad, you may write him at the following address:

Cooperative Extension Service
224 Ag Hall
Oklahoma State University
Stillwater, OK 74078

(This article was adapted from a fact sheet developed by ACRE, the Alliance for a Clean Rural Environment. ACRE is a non-profit organization that encourages environmental stewardship and water quality protection.)

Pesticides studied for effect on endangered species

from May 1991 GCSAA Briefing

EPA is consulting with the U.S. Fish and Wildlife Service to determine whether some registered uses of 31 pesticides need to be limited in order to protect endangered species. Among the pesticides to be examined are some golf course chemicals:

acephate (Orthene), bendiocarb (Turcam), chlorpyrifos (Dursban and others), potassium nitrate, trifluralin (Treflan, Team and others), methyl bromide, aluminum phosphide (Phostoxin), azinphos methyl (Guthion), fenvalerate, naled, and permethrin.

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

ANNUAL SURVEY

Thanks to Paul Jamrog for putting together the superintendent survey. If you requested a copy, it has been sent to you. If you are a superintendent and want a copy, send a self-addressed stamped envelope to Paul Jamrog, P. O. Box 38, North Liberty Street, Belchertown, MA 01007.

USED EQUIPMENT

Jacobsen 548-100 Overseeder. Used very little. Excellent condition. \$3295. Contact: Michael Legere, CGCS, The New England C.C., 508-883-2300

PUBLICATIONS

Two new publications from the Cooperative Extension Service:

Professional Turfgrass Management Recommendations for Massachusetts. This guide covers turfgrass culture, insect, disease, nematode, and weed management. Monitoring techniques and suggested threshold levels for turfgrass insects, cultural management of diseases, as well as environmental considerations in the use of herbicides are discussed. Send \$5.00 (check payable to the University of Massachusetts) to Bulletin Center, Cottage A, Thatcher Way, UMass, Amherst, MA 01003.

1991 Massachusetts Control Recommendation Guide for Insect, Disease, and Weed Pests of Shade Trees and Woody Ornamentals. This guide for grounds managers and others responsible for the care of woody plant materials provides chemical recommendations, IPM considerations, growing degree day information, and timings for control. Send \$15.00 (check payable to the Mass. Arborists Association) to Bob Childs, Shade Tree Lab, UMass, Amherst, MA 01003.

CONGRATULATIONS

Congratulations to Mike and Rosanne Iacono on the birth of a new baby girl, Melissa, 8 lb. 1 oz., May 18th.

Tom and Leanne Columbo are the proud parents of a baby boy, Ryan Thomas, 6 lb. 11 oz., May 21st.

Jim Reinertson, superintendent at Wayland C.C., ran his first Boston Marathon with a time of 4:55.

MEMBERSHIP

Welcome New Members: Brian J. Gibbin, Regular Member, Lakeville C.C.; Eric Brown, Regular Member, Easton C.C., Easton, MA; Dino Frigo, Regular Member, Veteran Golf Course, Springfield, MA; Russell C. Tarr, Regular Member, Wenham C.C., Wenham, MA; James Perez, Regular Member, East Mountain C.C., Westfield, MA; Ed Uhlman, Jr., Westboro C.C., Westboro, MA; Stephen Gunning, Associate Member, St. Mark's G.C., Southboro, MA; Michael Shockro, Regular Member, Attleboro, MA; Gary Dulmaine, Regular Member, Maplewood Golf Course, Lunenburg, MA; and Richard Derby, Assistant Member, Longmeadow C.C., Longmeadow, MA.

Proposed New Members: Robert Donovan, Associate Member, Glen Ellen C.C.; John Allen, Regular Member, Lost Brook C.C.; Cost Davis, Regular Member, Cranberry Valley C.C.; and Michael Cassidy, Assistant Member, Tedesco C.C.

MAY MEETING

The May meeting at Charles River C.C. drew an excellent turnout of 91 people, for a good meeting and a great day for golf. Dave Cumee eagled the par 5 16th at Charles River C.C. for a net 1! It still didn't help his team win any prizes. Witnessing the net 1 were Don Levangie, Jim Casey, and Kip Tyler.

TOURNAMENT RESULTS

Tournament results from Charles River Country Club:

1st Gross - 67

Paul Miller
Tom Flaherty
Mike Kroian
Art Miller

2nd Gross - 70

David Farina
David Mucciarone
Tony Caranci

3 Way Tie - Net 57

Steve Chiavaroli
Bob Brown
Bert Fredrick
Jim Bean

Ed Uhlman
Bob Healey
Don Hearn
Dan Lehan

Dave Barber
Bob DiRico
Gary Luccini
J. P. Jones

GOLF HANDICAPS

Jim Fitzroy will be compiling golf scores for our 1991 handicaps. If you have any cards that should be included for handicap purposes, give them to Jim at the next meeting or mail them to Jim c/o Presidents Golf Course, 357 West Squantum Street, North Quincy, MA 02171.

Please be aware of the Association's policy on handicaps: if you do not have a handicap, you will play at zero. If you have two handicaps, you must use the lowest one. In the case of a dual handicap, see Jim to have the GHIM numbers combined so the handicap is the same at both locations.

Please Patronize These FRIENDS OF THE ASSOCIATION

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168 Washington St., Stoughton, MA 02072
Top dressing, sand, loam, trap sand,
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Est. 1886

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Reps, Ray Chadwick, Paul Littlejohn

Bartlett Tree Experts
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Consulting
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(617) 969-5990

The Bordon Company
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Sales Rep. Jack Borden
Bulk Limestone Dealer

Boston Irrigation Company
Dedham, MA
John Ramey, Paul Kenyon
(617) 461-1560
Distributor of Irrigation Supplies
and Accessories

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Golf Course & Landscape Supplies
John Callahan (203) 673-3699

C & J Equipment, Inc.
188 Main St., Wilmington, MA 01887
John Deere Golf & Turf Equipment
(508) 658-2022—Eric Oman,
Mike Cornicelli, Kevin O'Donnell

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