

THE GREENERSIDE

Official Publication of the Golf Course Superintendents Association of New Jersey

Look out for lightning on the links!

By Jozsef deKovacs

According to the *New Jersey Law Journal*, a New Jersey court has passed down the nation's first known ruling that lightning is not an act of God when it hits a golfer. The court cited breakthroughs in engineering and forecasting that have given golf courses the capability to protect golfers from lightning. Therefore, though courses don't have an affirmative duty to protect their patrons from lightning, they are liable if they establish protective systems and the systems don't work. The opinion suggests that courses can escape liability if, in effect, they decline to interpose themselves between God and golfers.

In this case, the Atlantic City Country Club's practice was to monitor the weather, and it had an evacuation plan that consisted of the golf course personnel driving onto the course to warn golfers. According to the defense, a United States Golf Association (USGA) poster placed in the clubhouse recommended immediate reaction to dangerous situations and advised golfers to *seek shelter if you feel danger from lightning or storm is imminent*. In March 1993, a foursome on the course noticed lightning and began walking toward the clubhouse (there were no man-made shelters along the way). The plaintiff put up an umbrella and was subsequently struck by lightning. He survived, but was injured and sued the club and its owners.

This case sets new precedence that lightning is increasingly falling into the category of hurricanes and tornadoes—disasters that have become more predictable. All managers should consider their options and research the expense associated with installing a warning system and shelters.

NOTE: *Lightning Safety* posters (14" x 20") are available through the USGA for \$1 each, or \$75 per 100. *Lightning Safety Tips* stick-

A New Jersey court has passed down the nation's first known ruling that lightning is not an act of God when it hits a golfer.

ers (4" x 6") are available for \$2.50 per package of 20. To order these materials, please call the USGA at (908) 234-2300.

Attention GCSANJ members!

Our area code has been changed from 201 to 973. Please clip and save for future reference.

Phone:

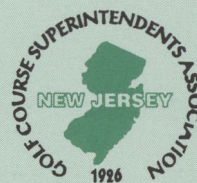
973-379-1100

Fax:

973-379-6507



In this issue



<i>Editorial</i>	2
<i>President's Message</i>	3
<i>GCSANJ News</i>	4
<i>Government relations</i>	10
<i>Rutgers University research projects</i>	14
<i>To your health...an interview</i>	16
<i>Cadence</i>	20
<i>X-Marks the Spot</i>	24
<i>New and exciting</i>	26

GCSANJ Newsletter is published six times a year by the Golf Course Superintendents Association of New Jersey

Ken Krausz, Editor
Newsletter Business Staff

Ken Krausz, CGCS
201 445-4460 • FAX 201 447-0301

Contributing Writers

Douglas Vogel,
Edward Walsh, CGCS, Shaun Barry
Steven Malikowski, CGCS

Please address inquiries to:

Editor, **The Greenside**
330 Paramus Road
Paramus, NJ 07652

For Ad Placement: Judy Policastro
(973) 379-1100

Art and Typography by
Trend Multimedia
732-787-0786 • FAX 732-787-7212

**GOLF COURSE
SUPERINTENDENTS
ASSOCIATION OF NEW JERSEY**

66 Morris Ave., Suite 2A
Springfield, New Jersey 07081
973-379-1100 • FAX 973-379-6507

Officers:

Glenn Miller, **President**
Ken Krausz, CGCS, **Vice President**
Joe Kennedy, **Secretary**
Ron Mencl, **Treasurer**
Paul Powondra, **Past President**

Directors

District 1
Michael Mongon
Gary F. Arlio

District 3
Edward L. Mellor
Ronald W. Luepke

District 2
Vincent Bracken
Patrick Campbell,
CGCS

District 4
Douglass P. Larson
John Carpinelli,
CGCS

Chapter GCSAA Delegate

Wayne Remo, CGCS

Executive Secretary

Judy Policastro

Commercial Representatives

Steve Chirip Shaun Barry

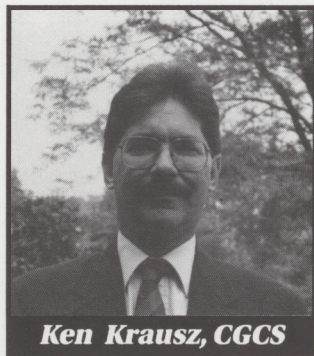
© 1997 THE GREENERSIDE

Opinions expressed in this Newsletter are the opinions of the authors and do not necessarily express the opinions or policies of the GCSANJ Board and its membership. No part of this newsletter may be reproduced in any manner whatsoever without written permission.

Printed on recycled paper



EDITORIAL



Ken Krausz, CGCS

GCSANJ membership makes it happen

by Ken Krausz, CGCS

Welcome to the summer! I am writing this in the beginning of June, and it has been wet and cold up until this week when summer said hello real

quick. I was wearing a coat all day Friday and by

Monday the temperature was reaching into the nineties! This Friday it is hot and humid with thundershowers. By the time you read this the summer will be half over, so I am particularly anxious to see this issue in my mailbox!

This issue has reports from a couple of committees that members of the Board of Directors of GCSANJ chair. When you read the report from the Government Relations Committee you will realize all the work that is put forth by members who are not on the Board at this time. While you read this issue, take notice of the different bylines. All of these people help to make GCSANJ what it is; thanks to everyone who pitches in. If you would like to help, we can always use it. Contact Judy at GCSANJ headquarters or any Board member.



Speaking of Judy and GCSANJ headquarters, they are one of the many places throughout the state that has had their **AREA CODE** changed. When you call Judy, the new area code is **973**, which makes their phone number 973-379-1100.

Now back to this issue. There is a report about the Education Program and Table Top Field Day. Thanks to the vendors who helped make this day a success. There is also a note from the Survey Committee; if you have not yet returned your survey, you should still have time.

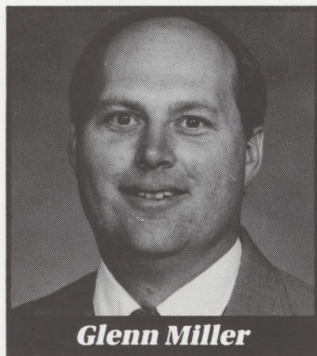
Look inside and see what the Tri-State Research Foundation is up to. Many exciting projects have been and continue to be funded by the member clubs. One committee that always is included in this publication is the Golf Committee. These are the people who make our meetings run smoothly after the host superintendents and staff have finished doing their magic.

We are always asking for your help, and this is just a small list of people and tasks that are being worked on. If you are interested, GCSANJ needs your help in whatever way you can offer it. Thanks to all who make this association run.

Two reminders, the deadline for the September-October issue of *The Greenside* is August 1, and if you call GCSANJ headquarters the new number is **973-379-1100**.

Enjoy the rest of the summer as fall is just around the corner.

PRESIDENT'S MESSAGE



Glenn Miller

GCSANJ membership makes it happen - Part II

I hope that everyone has taken a minute or two to read the May-June issue of *The Greenside*. I know, I

know, this is about the worst time of year to sit at your desk with your feet up. It's unheard of, right? But I highly recommend closing your office door, hanging out the "do not disturb" sign and spending a little time reading. If that's not possible, take the issue with you on your rounds and find your favorite spot for a few minutes of peaceful reading. The articles are worth the effort and the contributions from our members interesting.

After all, this is an award-winning publication, again! *The Greenside* has won another "Best Overall" award for the January-February 1996 issue. The fact that this publication continues to win awards is a visible sign of the vitality of our organization and the dedication of its members.

Despite the exhausting requirements of our jobs, family pressures and other distractions too numerous to mention, I am continually amazed at and inspired by the level of dedication and effort put forth by the members of this organization. Needless to say, I am extremely proud of our many accomplishments.

Field Day is another example of the selflessness of the people involved with this industry. Dr. Bruce Clarke and Dr. James Murphy have dedicated the August Field Day to bentgrass research, which benefits everyone in this association.

Field Day, which was launched in 1928, is now split into two sessions: Landscape field day was on June 2, and the bentgrass field day is on August 13. August is, of course, the perfect time to view plots under stress. We will also see first-hand the progress of the greens construction research. Let's all show our appreciation and support for this research by attending on August 13.

Calendar

- July 24** **July Monthly Meeting**, Great Gorge Country Club. Host: David Brubaker. Contact Judy Policastro, (973) 379-1100.
- August 13** **Golf and Fine Turf Tour**, Rutgers University/Cook College Horticulture Farm II, Ryders Lane. Contact New Jersey Turfgrass Association, (732) 821-7134.
- August** **District Meeting**, to be announced.
- Sept. 15** **Invitational**, Hominy Hill Golf Course. Hosts: David Pease, Ron Luepke. Contact Judy Policastro, (973) 379-1100.
- October 9** **GCSANJ Championship**, Alpine Country Club. Host: Stephen Finamore, CGCS. Contact Judy Policastro, (973) 379-1100.
- Nov. 11** **GCSANJ Annual Meeting**, Hollywood Golf Course. Host: Jan Kasyjanski, Contact Judy Policastro, (973) 379-1100.
- Nov. 4-6** **Penn State Golf Turf Conference**, Nittany Lion Inn, State College, PA. Call (814) 863-1017.
- Dec. 9-11** **New Jersey Turfgrass & Landscape Expo '97**, Trump Taj Mahal Casino/Resort. Contact NJTA, (732) 821-7134.



GCSANJ NEWS

CADENELLI AND GALLOWAY, PERFECT TOGETHER

by Shaun Barry

I was standing on the 18th tee at Pine Valley G.C. with Eric and Steve Cadenelli and Iain MacLeod from Tain G.C. in the highlands of Scotland. It was a beautiful day. Four friends on the number one golf course in the world, and our scorecard looked like we could actually play this game. Forget about that beer commercial, it does not get any better than this or so I thought. It is at this time that Eric decides to tell me he would like to host a superintendent meeting in 1997. Would that be possible? I immediately thought back to last fall when I found myself enjoying shooting a 90 on this great new course. My immediate reply was, "What month do you want?" The day had gotten better.

When April 29 became the date that Eric selected, I called Joe Owsik to invite the Philadelphia superintendents to our annual joint meeting. Upon hearing the site, he thought for a second and then asked me if I thought New Jersey could fill the field by itself. With a limit of 116 players it seemed possible that we could come close. Joe then suggested that it not be a joint meeting because this would mean that half of the New Jersey and Philly groups would not be able to play. What good does that do? Good thinking on his part. I guess that is why he is a superintendent.

Going alone was a good idea, but we wanted to make sure we reached the 116 player limit, so we allowed guests as usual. The response was immediate. Two weeks before the deadline date, we went from 105 to 126 in one day. It was first come, first

serve, but I hate turning anyone down. Maybe we could increase the limit of the field. Eric was very gracious and said yes, but please do not go over 140. I told him that I did not think we would exceed 132. We reached 140 within two days. It was tough but we returned applications for 20 people of which eight were guests. 140 players. It was going to be an interesting day!

The host pro, Jim Mancil, and his staff did a great job getting us organized while Kevin Bruton served a fine lunch to prepare us for our adventure. Dr. Jim Murphy responded to some unexpected problems. His slide presentation couldn't be seen because the tent allowed too much light in. He carried on as if nothing was wrong. All who were there came away with a lot of pertinent information about what is happening at Rutgers. He proved that we are fortunate to have him working for us.

Before we knew it, our carts were moving and we were on
Continued on page 5



RALPH MCGILLAN
Excavating Contractor

Specializing in Lakes & Ponds

Over 30 years experience in building new ponds,
enlarging & redesigning existing ponds.
Can get all DEP permits

(609) 655-2281
74 Petty Road, Cranbury, NJ

RIGGI
PAVING, INC.

- Asphalt and Concrete Construction
- Paved or Stone Pathways
- Fully Insured

CALL
201-943-3913



GCSANJ NEWS

Continued from page 4

the course. Although there had been over two inches of rain in 12 hours earlier, the course was magnificent. Eric, his assistant Joe Lucas and the entire staff did an excellent job. The effort that they put in to prepare for us was similar to the effort that goes into preparing for the U.S. Open. It was appreciated. The pace of play was good and although the scores were high, I only saw smiles. In fact, I'm not sure that I have ever heard more superlatives.

The tournament we played was a net skins event. Winning with eagles were **Pat O'Neill**, **E. Cadenelli**, **John Alexander** and **John Schoellner**. Our low gross winner was the previously mentioned Joe Owsik. His 80 edged out three players at 81. They were **Brian Minemier**, **Bob Prickett** and **Phil Scott**. Mr. Prickett and his partner, **Tom Grimac**, continued their mastery of the Leslie Cup. The finals had been postponed because Tom and Stephanie were to be in Korea adopting their

beautiful little girl. Normally, if one person is not available to play the event still goes on, but this was not a normal event in a person's life. Bob and Tom defeated **Fran Owsik** and **Tom Sauer** in a close match. If Fran's back had not gone out, who knows what would have happened. With their fourth straight victory, they did not have to qualify for the 1997 event. I will report on who qualified in my notes on the Mattawang meeting.

Mark Peterson took long drive honors again, while **Jim Woods** and **Kevin Driscoll** won the closest to the pin honors. One of them hit a beautiful soft draw onto the green, and the other topped a three wood that rolled all of the way. You guess who did what. We also had a gross skin game, and you might recognize some of names of the winners. J. Owsik, T. Grimac and J. Alexander joined **Mark Mihelic** with each having one birdie hold up. This closed the day on our golf scores but not on our memories.

Eric, please accept our sincere thanks for everything that you did for us and extend that feeling to everyone at Galloway. It was a special day. Let us know when we can do it again.

GCSANJ RETURNS TO MATTAWANG

by Shaun Barry

Last year Mattawang G.C. was the site of the District III championship. It turned out to be a great time, and before we left that day, **Chip Kern** asked if they could host a state monthly meeting in 1997. He wanted to share this course with the GCSANJ, and he knew how hard it has become to find places to host a meeting. I gladly accepted his offer.

Early on the morning of the 20th, I was performing a

Continued on page 6



Flanagan's

Golf
Construction
Inc.

Turn-Key
Golf Course Construction



908-469-7782

TEE AND GREEN CONSTRUCTION
DRAINAGE • RETAINING WALLS
IRRIGATION • PONDS
OTTERBINE INSTALLATION

MEMBER OF NJ TURF GRASS ASSOC. & GCSANJ

BOHM'S SOD FARM



"We Grow Grass"

GROWERS OF PREMIUM
QUALITY GOLF TURF

- BENTGRASS
- BLUEGRASS
- FESCUES

- WASHED SOD
- BIG ROLLS
- INSTALLATION AVAILABLE

Phone 800-624-1947 Fax 609-861-5274
1985 Rte. 47, Eldora, NJ 08270



GCSANJ NEWS

Continued from page 5

normal pre-meeting routine. Watching the Weather Channel. Would the rain stop in time? They said it would, so I was worried. **Ron Alfieri**, who is the host superintendent unless Chip needs him somewhere else, thought it would clear and it did. Ron and **Bill Gilligan**, who takes over when Ron leaves, make a great team. Together they have helped improve the playing conditions of this fine golf course. **Ken Krausz** was heard remarking how impressed he was with the course. All of the 66 players would agree.

Having played the course in qualifying for the State High School Boys Championship, it brought back many good memories and some new realizations. Those were that I am old and can't play the game (yes, I did know that, but I was trying to forget that the next day would be my 50th). Some people obviously don't have either problem. A youthful **Ian Kunesch** smoked the field with a 75, and **Greg Hutch** (70) came out of

golf retirement and won low net on a match of cards. **Mike Uckar** and **Bob Prickett** were the closest to the pin winners, but Bob did not win the longest drive. That honor went to **Jim Woods**. Jim also won two skins. **John "New District IV Director" Carpinelli**, **Tom Grima** and **Steve Chirip** had one skin each.

The Leslie Cup competition got started with some of the matches being played at Mattawang. Defending champs **Grimac-Prickett** defeated **Carpinelli-Larson**. **Cross-Woods** edged out the **Owsiks** on the last hole. The number one seeded team in the north (**Luepke-Scott**) advanced past **Alexander-Strobel**. Sportsmen of the year candidates **Hyland-Toto** would not play their scheduled match against **Barry-Pease**. Dave couldn't make it due to an unscheduled meeting, so it would have been 2 vs. 1. If it had been an official match, it would have ended on the 13th. The other matches are being played at alternate sites and should

Continued on page 7

Since 1923

Geo. Schofield Co., Inc.

P.O. BOX 110, BOUND BROOK, NEW JERSEY 08805

- Bunker Sands
- Construction Sands/Blends
- Topdressings

- Construction Gravels
- Cart Path Materials
- Landscape Materials

• SUPRGRO Construction Blends and Topsoil

NEW

Customized blends available with our new mobile blending equipment.

★ U.S.G.A. specification products. ★

(908)
356-0858

TEE-TO-GREEN QUALITY FROM JOHN DEERE

When you see the John Deere logo on golf course equipment, you know there are years of experience and hundreds of dedicated people behind each hard-working machine. You should also know there's a full line of reliable equipment to stand up to the challenges of your course!

There are rugged utility

mowers for the tough spots; lightweight fairway mowers to manicure your target areas; aerators that breathe life into your turf; and precision-engineered greens mowers to handle the most critical areas on your course. Add to these a host of attachments, and a field and bunker rake for the gritty spots, and you've got a

line-up that's ready to handle whatever you can come up with.

If you're not sure, give us a call and we'll show you!

Nothing runs like a Deere®

E/T Equipment Company

425 South Riverside Ave., Croton-On-Hudson, NY 10520

1-800-99DEERE



GCSANJ NEWS

Continued from page 6

be completed soon.

Our speaker was **Mike Mongon** who did a great job (but he forgot to wear his Irish kilt). His update on government relations really gave everyone a good overview on the delicate changes that our industry is facing. His presentation was followed by a stimulating question and answer session that reflected the level of interest he generated.

After Mike's talk, we had the chance to introduce **Mike McFarland** from Alpine, The Care of Trees, Inc. We thanked him for his company's \$300 donation to the association at the Galloway meeting. It was very generous.

The day ended too quickly. We had a wonderful affair, and I hope Chip, Ron and Jim will thank everyone for their help. Perhaps you will invite us back again.

MY PAL "ARTIE"

by Jim Pelrine

Back in 1963 when I first got into this business, one of the first people that I met was Art Elmers. A few years later, I subsequently purchased a home that was around the corner from where the Elmers family resided. Over the next three decades, Art spent many hours, mainly on summer weekend afternoons at my house, having a smoke, visiting, talking shop, giving me good counsel and having a beer or two. I never met anyone who knew more about turf and bugs than Art did. Although he was a consummate hard working professional with a gruff exterior, he had a "heart of gold." Art loved his family and took great pride in their accomplishments. A better friend I could not have. This summer I'll really miss the visits from my pal "Artie."

Continued on page 8

ESID

► ELECTRICAL STORM
IDENTIFICATION DEVICE

When Thunderstorms come calling – Be Prepared!

**97% will move into your area,
while 3% will develop directly overhead...**

ESID monitors both

- Track Incoming Storms out to 30 Miles
- Monitor Overhead Storm Cell Development
- Clear the Course when the Threat is Real
- Resume Play Quickly after the Threat has Passed
- Zero False Alarms, Fully Automated, Proven Technology
- Customers Include: USGA, PGA Tour, FAA, NWS, TORO

► ESID'S SEAMLESS INTERFACE WITH COURSE ALERT SIRENS
OFFERS A FULLY AUTOMATED LIGHTNING WARNING SYSTEM.

Call us today for details and a free customized lightning exposure analysis

(908) 722.9830 Ask for Fred or Mike

Storr Tractor Company • 3191 U.S. Highway 22 East • Somerville, NJ 08876



Global Atmospherics, Inc.
The National Lightning Detection Network™



GCSANJ NEWS

Continued from page 7

LIFE MEMBER PASSES AWAY

The Greenside is sad to announce the passing of Lawrence Munther on May 21, 1997. Mr. Munther started the Munther Spraying Company in 1947. He retired from that position in 1983. His son Larry now runs the business.

The members of GCSANJ extend deepest sympathy to Larry Jr., his daughters Judith Ann Murry and Deborah Ellen, and to his wife Eleanor.

BYLAWS NEWS

by Vince Bracken
Director, District II

In order to serve the members of the GCSANJ better, the Board has set in motion a new amendment to our Bylaws, if

passed by the members of the GCSANJ at our Annual Meeting in November. We will have in place a Benevolent Fund from which if a member becomes disabled or distressed, the trustees of this fund (who are the Executive Committee) can disburse the funds in an appropriate fashion.

The following is a copy of the proposed bylaws addition:

Proposed Benevolence Fund

Placement should be in the Bylaws. Use of membership money should be voted on by the membership.

Article 5

Proposed Benevolence Fund

SECTION 1. Creation of Fund: There shall be a Benevolence Fund in the sum of \$1,000 allocated from our General

Continued on page 9

Providence® & Dominant®
Creeping Bentgrass

Champion GQ
Perennial Ryegrass



For information call UHS / TwinLight
at (908) 438-1300 and ask for Gerald
Fountain, Tom Hughes, or Rich Baker



United
Horticultural Supply

4260 Route 1 North
Monmouth Jct, NJ 08852

Providence, Dominant, and Champion GQ are Registered Trademarks
of Seed Research of Oregon, Inc. ESN is a Registered Trademark of UHS.

Go wild.

Surround yourself with the brilliant colors of Lofts Pinto® brand Wild Flower Seed, Lofts' wild flowers add natural beauty to golf courses, roadsides, parks, industrial sites, reclamation areas, estates and in your own back yard. We can even custom mix your flowers with our native grasses according to your geographical area, soil conditions or specific needs. So splash a little color on your landscape with Lofts Wild Flower Seed.

- 100% wild flower seed mixture (no fillers)
- Beautifies natural areas, borders and banks
- Excellent color with low maintenance
- Grows in a wide range of climates

Call Lofts Seed toll-free at 1-888-LOFTS CO



Where Great Grass Begins



GCSANJ NEWS

Continued from page 8

Fund. This money shall be used to aid disabled or distressed members. When sum is less than \$1,000, the treasurer shall make further allocations.

SECTION 2. Trustees: The president, vice president and secretary/treasurer shall act as Trustees of the fund, and the Trustees shall make collection of the requisite percentage of dues to be applied to this trust and shall during the period for which they are appointed have the sole power for management, distribution and disbursement of the funds. The funds shall be paid at the discretion of the Trustees to any disabled or distressed member.

The provisions shall not be construed to vest in any member, a matter of right, payment of any portion of the interest or principal of the trust fund. The Board of Directors may, from time to time, make recommendations to the Trustees as to management and distribution of the funds; such recommendations, however, shall be only advisory.

1997 GCSANJ SURVEY


*by Ron Luepke
Director, District II*

Thank you to all who participated in the 1997 GCSANJ Golf Course Maintenance Survey. The responses are currently being tabulated, and the results will be returned to those who have participated.

Since its inception, the results of this survey have been a useful tool for those individuals who have participated, as well as a valuable asset to the Club Relations Committee when assisting clubs.

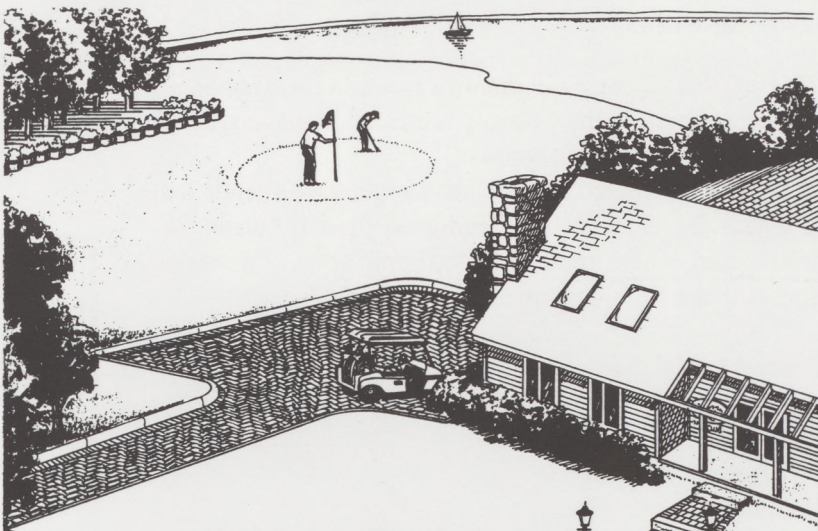
If you have not returned your survey responses, you can still add to the data base and receive a copy of the results if you act quickly. If you have misplaced your copy, call Judy Policastro or me, and we will see that you receive another.

I would also like to thank Steve Finamore, John Carpinelli, Ed Mellor, Dave Pease and Bruce Peeples for their involvement in serving on the Survey Committee. If you have any comments or suggestions on how the survey can be made better, please contact one of us.

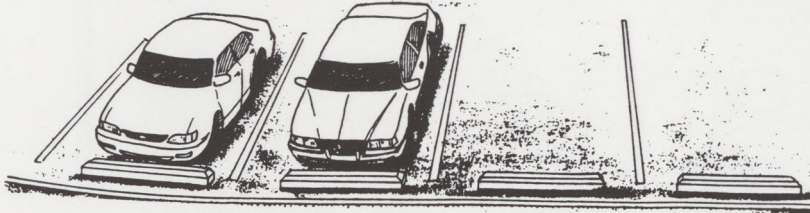


Your Imagination ... Our Products

With Concrete Stone & Tile Corp. the possibilities are endless.



Concrete Stone & Tile Corp.
Ridge Road • Box 2191, Branchville, NJ 07826
(201) 948-7193 • Fax: (201) 948-2771



YOUR GOLF COURSE ... OUR PRODUCTS

- * CONCRETE PAVERS
- * RETAINING WALLS, PLANTERS
- * EDGING, STEPS
- * CURBS, PARKING BUMPERS

Government relations

by Mike Mongon
Director, District I

Presently the Golf Course Superintendents Association of New Jersey, in conjunction with GCSAA, is monitoring several areas of legislative and regulatory issues for 1997. I am once again serving as your Government Relations chairman and would like to thank my committee in advance. The Government Relations Committee for 1997 is:

Name	Work Phone	Fax Number
John Wantz, Due Process	732-542-0317	732-544-8039
Tom Grimac, Tavistock	609-795-3839	609-795-4512
Clark Weld, Blue Heron Pines	609-965-2972	609-965-0525
Dennis Wrede, Cedar Hill	973-535-3225	973-992-1857
Wayne Remo, Rock Spring	973-736-2154	973-325-1964
Doug Vogel, Packanack	973-696-6495	N/A
Armand LeSage - White Beeches	201-262-3365	201-262-7989
Pat O'Neil, Navisink	732-842-0789	732-219-1971
Mike Mongon, Chairman	201-843-6960	201-843-0084

This watchdog group will monitor area news and has been asked to report back to me with any information that could be relevant to golf course management.

GCSAA has released its legislative/regulatory agenda for 1997, which the GCSANJ has endorsed. It will consist of monitoring and, where applicable, the application of position statements to the following areas:

I. Federal Legislation

EPA Budget (Enforcement)
Endangered Species
Wetlands
Pollution/Runoff
Environmental Audits

Methyl Bromide
Wage and Hour
Regulatory Reform
Immigration
Tort Reform/Junk Science
Health Care
Research
Emissions

II. Federal Regulation

Worker Protection Standard
Americans with Disabilities Act
Emissions
Noise

III. State Legislation/Regulation

Posting and Notification
Preemption/Primacy

Continued on page 11

I. Federal Legislation

EPA Budget (Enforcement)
Endangered Species
Wetlands
Pollution/Runoff
Environmental Audits

am

Atlantic Mills, Inc.

P.O. BOX 880
ASBURY PARK, NEW JERSEY 07712
IN NJ (908) 774-4882
FAX (908) 775-3288
OUTSIDE NJ (800) 242-7374



**TEE TO GREEN ACCESSORIES,
MAINTENANCE & SAFETY ITEMS!**

YOUR NEW JERSEY MANUFACTURER WITH ONE STOP SHOPPING.
FOR CATALOG AND PRICING INFORMATION CALL 800-242-7374

1 AQUATROLS
PRIMER™
Matrix Flow Soil Surfactant

1 AQUATROLS
AQUEDUCT™
SOIL SURFACTANT

ADVANTA
SEEDS WEST, INC.

BARENBRUG

HARMONY
In Tune With Nature



**The
Greatest
Place
in the
World
to get all
these
products...**

**J & R
SUPPLY**

Turf Specialists

3249 Mill Rd. Doylestown, PA. 18901
1-800-575-TURF • (215) 794-7977 • Fax (215) 794-5842
<http://www.jrsupply.com> • email: dhinkle@comcat.com

Government relations

Continued from page 10

Effluent
Water Resources
Environmental Audits
Wetlands
Endangered Species
Pesticide Applicator Licensing
Multiple Chemical Sensitivity

GCSANJ along with GCSAA will monitor and report to its membership any state or federal activity in any of the aforementioned areas. I would also encourage our membership to be more community and civic minded in light of the negative publicity golf courses have received in recent months.

Governor Whitman (recently in a radio address) was quoted as saying her priorities for the year environmentally would focus on run-off from parking lots and *golf courses*. Jane Nogaki, Pesticide Program coordinator for the New Jersey Environmental Federation, recently provided a New Jersey newspaper with the Federation's viewpoint on golf courses in general and, more importantly, made references to land purchases for golf courses in an effort to preserve open space. She is quoted in the paper as saying "as if golf courses could be equated with open space. While a golf course may look like open space, it is in fact a highly managed, unnatural ecosystem that depends on high inputs of chemicals and water to survive the stress of daily foot traffic and daily mowing to 5/32" on greens."

These are things making their way on the radio waves and in newspapers.

The noise ordinance issues are becoming more prevalent than ever. With the golf market booming and the sport seeing tremendous growth, residential construction of homes bordering golf courses is hitting record levels. The funny thing here

is that realtors aren't showing those homes at 6:00 a.m. when golf course preparation is underway. Would-be buyers are shown homes at 3:00 p.m. when virtually all preparation has been completed for the day. The buyer doesn't find out until the

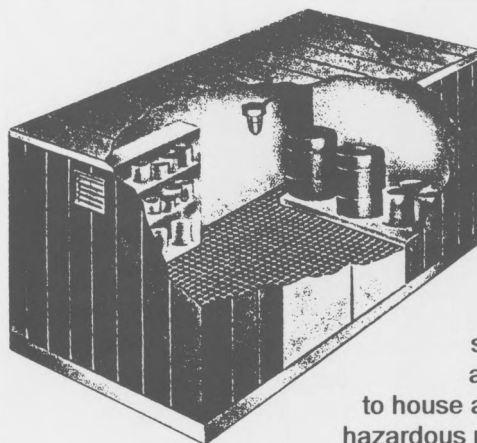
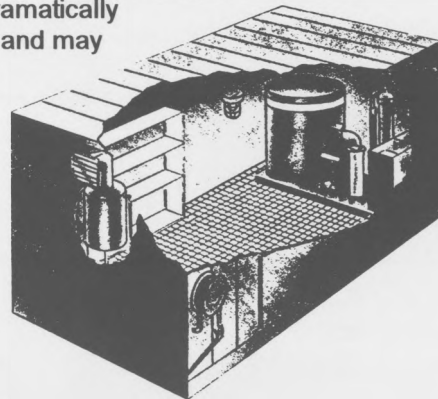
Continued on page 12

Environmental Centers

To meet EPA Standards

RGF offers the ultimate concept in wash water recycling equipment storage facilities. These pre-engineered pre-fabricated buildings dramatically reduce construction costs and may be easily relocated.

A standard 8' x 10' building will house a Recycling System along with many optional features, designed to protect your maintenance equipment from the elements.



Chemical Storage Buildings

These unique galvalume pre-fabricated or in kit form storage buildings offer OSHA approved ventilation systems to house a variety of chemicals and/or hazardous materials. Standard features include secondary containment sump with removable fiberglass grate flooring for easy spill clean-up.

Storr Tractor Company

3191 Highway 22
Somerville, NJ 08876
908-722-9830

Government relations

Continued from page 11

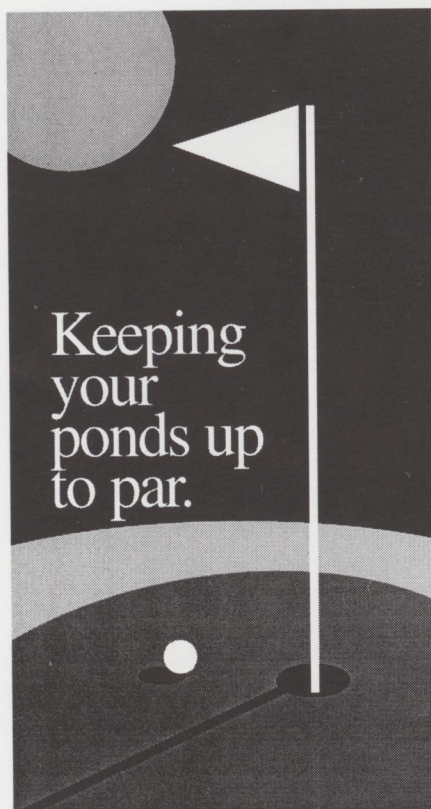
first morning that equipment (some with loud engines) is interrupting their sleep and, more importantly, their quality of life.

In light of this article, earlier I encouraged our membership to be more community and civic minded. Here are my top ten tips to help attain this:

1. Get to know the local town council where your golf course is situated.
2. Invite local officials over for golf or lunch, or both.
3. Get a copy of local town ordinances and look for potential conflicts with regard to golf course management. If you see a potential problem, such as noise, try to invoke the "grandfather clause."
4. Sponsor local events.

5. Make local donations to civic groups.
6. Become a member of the local Rotary Club.
7. Equipment share with town and Board of Education.
8. Lend a hand on a local project. (Last year some staff members at Arcola helped a local group in the construction of a playground at a local school.)
9. Make sure local fire and police officials know the access points to and around the golf course.
10. Educate (with accurate information) the benefits of the golf course to the community.

Best of luck in 1997. Call me or any of the committee members and report any local, state or federal news that would have an effect both positive or negative on golf course management.



Golf Course Waterway Management

- Effective control of algae and weed problems
- **Guaranteed Duckweed control with Sonar* herbicide**
- Dredging studies/permitting
- Wetland creation
- Aeration systems
- Fish stocking
- Aquascaping
- Pond design
- Bank stabilization

Coastal Environmental Services

A Division of Post, Buckley, Schuh & Jernigan, Inc.

Ibis Plaza, 3535 Quaker Bridge Road, Suite 400
Hamilton, New Jersey 08619
(609) 588-5441

*See Coastal Environmental for guarantee guidelines.



Seven rules of effectiveness

by Bev Hansen

Californians for Compensation Reform

Use common sense and good manners:

1. Develop a relationship with your lawmaker before it is needed.

Attending fund-raisers is nice but not necessary! After each introduction to a lawmaker, send a follow-up letter, reminding him or her where you met. Cross paths a lot, follow-up each time. It is very important to get to know staff in the capitol and district offices! Staff will read your letters first.

2. Do your homework.

Be clear and concise in your message so you can make your points quickly. Know the status of important bills, bill sponsors and other key information.

3. Know who your friends and enemies are.

Use that information wisely.

4. Honor their time constraints.

Their days are not always very glamorous, and they are

always busy!

5. Always just tell the truth.

Be frank regarding the whole situation, including the opposition.

6. Know how the issue relates to and impacts the lawmaker's district.

Make sure they know you are a constituent.

7. Tell them what you want them to do.

Then pay attention to what happens and acknowledge it in a letter, either way.

Bonus #1: Never mention issues and campaign fundraising together. Don't refer to your campaign contribution or how you voted.

Bonus #2: Make your communications effective. Use short promotional pieces and save the longer analysis for staff. Don't use videos unless you view them together at your meeting. Phone calls, fax and e-mail are okay. No postcards.

Presented at the 1997 Fifth Annual Green Industry Legislative Conference. CKS 2/17/97



THE PRO'S CHOICE

TERRE

**TURF
SUPPLIES**

SINCE 1925

The Pro's Choice

Grass Seed
Fertilizers
Insecticides
Nursery Stock
Fungicides
Herbicides
Mulches
Tools
Stone
Soil
Ties

Hardgoods - 201-473-3393

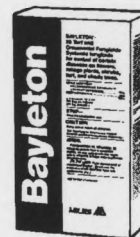
Nursery - 201-473-2749

Fax - 201-473-4402

To Keep Your Turf
Free from Disease & Insects

TERRE Co

has the
Turf &
Ornamental
products that
perform



The TERRE Co.

206 Delawanna Ave Clifton NJ 07014

Rutgers University research projects receive funding

At the 1997 Rutgers University Research Symposium, representatives from the Tri-State Research Foundation presented funds for two projects underway at Rutgers. President John Streeter, Vice President Timothy O'Neill and Past-President Ed Walsh attended the day-long symposium and made the following presentations:

- \$11,000 to a root-zone study being conducted by Dr. James Murphy. A total of \$55,000 will be awarded to this project over the next five years. This project is also being co-funded by the USGA and GCSAA.
- \$10,000 to a project being conducted by Dr. Randy Gaugler for his work developing disposable fermentation equipment to produce insecticidal nematodes for the biological control of white grubs. A total of \$30,000 over the next three years has been committed to this project. This project recently received matching funds from the GCSAA Chapter Cooperative Research Program.

The Tri-State Research Foundation is committed to the identification of turfgrass problems that exist in our region and supports the research to generate environmentally friendly solutions and controls. Along with representation from the Metropolitan Golf Association, the foundation is governed by superintendents from each of these five local chapters of superintendents: Metropolitan GCSA, Connecticut Association of GCS, Long Island GCSA, New Jersey GCSA and the Hudson Valley GCSA, representing over 500 area golf facilities.



From left: Tri-State Research Foundation Vice-President Tim O'Neill and Past-President Ed Walsh present funds to Rutgers University's Dr. James Murphy and Dr. Bruce Clark to support their work on a root-zone study. Looking on is John Streeter, president of the foundation.



**Take the STRESS off
You and Your Turf**
with Floratine Products and
Sleepy Hollow Turf Mngt.

**FLORATINE
PRODUCTS
GROUP**

Specialty
Products
for Turf

ASTRON

ASTRON is designed to increase root mass, length and carbohydrate storage. ASTRON enhances turfs ability to withstand stress.

Perk-Up

PERK-UP improves plant respiration, relieves wilt and restores color loss due to high heat and humidity. It also enhances root growth.

Per"4"max

PER "4" MAX is formulated to increase topical density of turf and encourage root development in early Spring and Fall.

Maxiplex

MAXIPLEX will decrease nutrient tie-up, reduce compaction and hot spots, help manage soil moisture, and in sand reduces leaching.

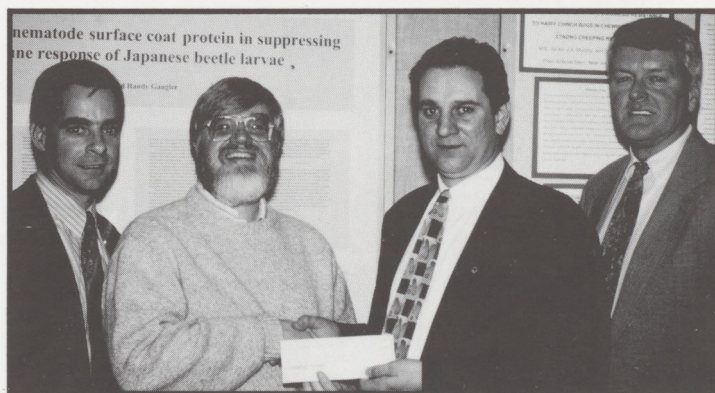
CalpHlex

CalpHlex is the great balancer it will lower soil sodium, increase available calcium, and balance calcium to magnesium ratios.

Raidert-TG

RAIDERT-TG will dramatically increase plant uptake of systemics by opening plant stomata. It Reduces Chemical Usage and Saves You Money!

For these & other fine Floratine Products contact Sleepy Hollow Turf at 1-800-958-2913 Exclusive Distributors in the Maryland, Delaware, New Jersey, Washington, D.C., and Eastern PA Areas.



A \$10,000 check was also given to Dr. Randy Gaugler (second from left) by John Streeter, president of the Tri-State Research Foundation, for his work developing disposable fermentation equipment to produce insecticidal nematodes for the biological control of white grubs. Ed Walsh (right) and Tim O'Neill also were on hand for the presentation.

**UNTIL NOW,
AN UNDULATING
COURSE WAS AN
ARCHITECT'S DREAM
AND A MOWER'S
NIGHTMARE.**

**INTRODUCING
THE NEW
TORO CONTOUR™ 82**

**ROTARY MOWING DECK FOR
THE GROUNDMASTER® 3000 TRACTOR.**



- Four individual cutting chambers with 22 inch blades articulate independently up to 20 degrees allowing the deck to wrap over hills or flex up a bank.
- Adjustments in 1/4 inch increments allow fine-tuning the height of cut between one and four inches.
- Rear discharge with semi-recycling action for excellent clipping dispersal and after-cut appearance.
- Groundsmaster 3000 features 33hp liquid cooled Peugeot diesel (two or four wheel drive) or a 45hp gasoline fueled Ford engine.
- Additional attachments: rotary broom, snowthrower, debris blower, enclosed cab and a variety of cutting decks.

Storr Tractor Company

3191 Highway 22
Somerville, NJ 08876
908-722-9830

It's about

playability™

TORO

To your health . . . an interview

by Doug Vogel

We as golf course superintendents are stewards of the land. The responsibility for the health of the golf course falls directly on our shoulders.

To accomplish this task we practice the technique known as IPM. This intricate method of probing, testing and charting is undertaken to treat symptoms before they become severe problems.

The turf equipment we use on this healthy land has become a major capital investment for our employers. Stringent preventive maintenance programs are set up to keep these engineering marvels running smoothly in an effort to increase their efficiency and prolong their life span.

But as we orchestrate our daily, weekly and even monthly routines, do we allocate any time to maintain the health and life of ourselves? The King does and is living proof that it works well. Aviation enthusiast Arnold Palmer recently spoke at a press conference during the 1997 Cadillac NFL Golf Classic about his successful battle with prostate cancer.

"My life hasn't changed that much since the operation, but

my outlook on it has. We're now getting to the point that a lot of us are going to get cancer. My doctors may not have caught it if I didn't get my PSA. Get your PSA." Palmer has been

So check your soil moisture, count your temperature days, change your oil and filters, and consider going to the doctor for a checkup.

taking a prostate specific antigen blood test for years and credits it for the early detection of his cancer. Treatment is very successful if the cancer is caught in its early stages.

The saying "Long live the King" has now taken on a new meaning. "I'm not ready to quit," said the airplane pilot. And if Arnold Palmer is to continue to play golf, he needs healthy superintendents around to maintain the golf courses he plays. So check your soil moisture, count your temperature days, change your oil and filters, and consider going to the doctor for a checkup.

Ground Breaking Innovation

BioGain™ WSP® & BioGain™ WSP®(Fe)

The industry's first biostimulants available in Water Soluble Packets!

BioGain contains, natural humic substances, cold water kelp and a proprietary blend of natural sugars, vitamins, amino acids and beneficial bacteria.

BioGain (Fe) contains 10% fully chelated iron for maximum tank mix flexibility.

Canteen™

Spreader and Soil Penetrant Derived From Yucca Plant Extract

Canteen is a performance-enhanced soil penetrant and spray adjuvant derived from *yucca schidegera* plants, a unique species of cactus that produces natural sugars which enhance soil microbial activity.

LakePak™ WSP®

Biological Lake Clarifier and Deodorizer

LakePak is a concentrated microbial-blend of beneficial bacteria that biodegrades nutrients, organic matter and hydrocarbons in ponds and lakes.



BU BioTech
801 Dayton Avenue • Ames, Iowa 50010
Tel (800) 232-5907 • Fax (515) 232-5961
email: biotechinfo@bucolor.com
<http://www.bucolor.com/biotech.htm>



PENNINK ARRIMOUR

GOLF COURSE CONSTRUCTION and RENOVATION

- ❖ Tees
- ❖ Greens
- ❖ Bunkers
- ❖ New Construction

Tom Ristau - Division Manager
Richie Valentine - Turf Consultant

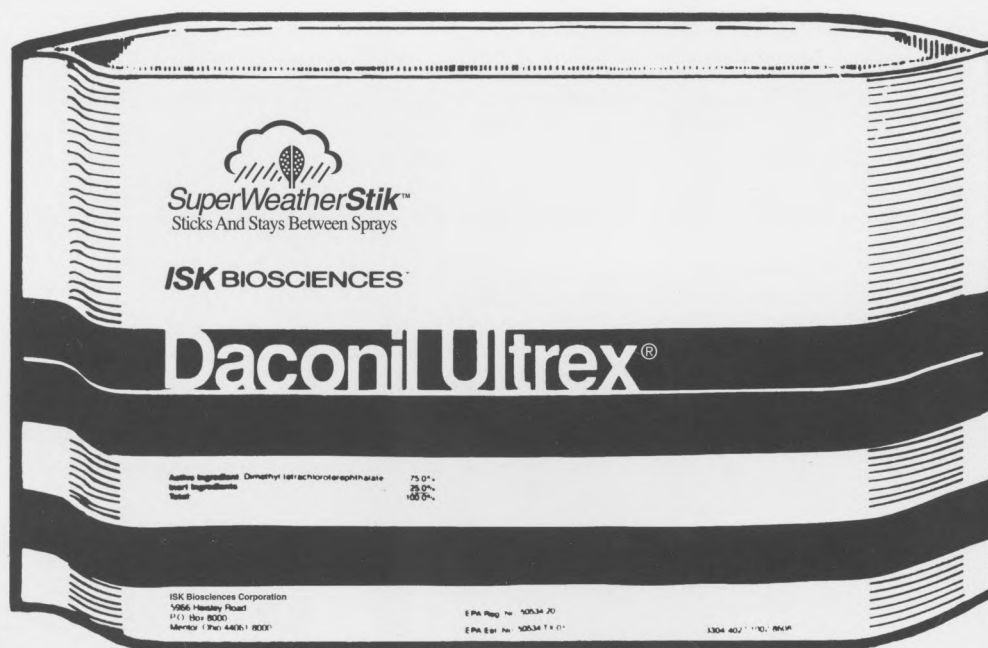
PA phone: (215) 659-6411
PA fax: (215) 659-9317
NJ phone: (609) 466-1500

Member of:
Golf Course Superintendents Assoc. of America
Golf Course Superintendents Assoc. of New Jersey
Philadelphia Assoc. of Golf Course Superintendents

Huntingdon Valley, PA

Hopewell, NJ

Now Daconil Ultrex® Fungicide Is More Cost-Effective Than Ever.



Tests show spray-dry Daconil Ultrex® fungicide, with its new, enhanced Super Weather Stik™ formulation, delivers exceptional results at application rates 20% lower than before*. That means you can now use Daconil Ultrex more often for better disease control without a significant increase in overall cost. And if you really want to open your eyes, take the Daconil

Ultrex Challenge, and get enough free product to try our new seven day, low rate spraying program on one green or fairway all season long. Ask your distributor for all the details. It could give you better disease control than you've ever had before. ISK Biosciences Corporation, Turf & Specialty Products, 1523 Johnson Ferry Rd., Suite 250, Marietta, GA 30062.

ISK BIOSCIENCES

Always follow label directions carefully when using turf and ornamentals plant protection products. *For best results, we recommend using 20% lower application rates on a 7-10 day schedule. Section 12(a)(2)(G) of FIFRA provides that it is unlawful for any person "to use any registered pesticide in a manner inconsistent with its labeling"; quoted language is defined in section 2(ee) of FIFRA and expressly excludes the act of "applying a pesticide at any dosage, concentration, or frequency less than that specified on the labeling unless the labeling specifically prohibits deviation from the specified dosage, concentration, or frequency." Thus, in the absence of specific label prohibitions, it is not unlawful under section 12(a)(2)(G) to use a registered pesticide at a dosage, concentration, or frequency less than that specified on the labeling of the pesticide.

© Registered trademark of ISK Biosciences Corporation. ™ Trademark of ISK Biosciences Corporation.

Rutgers announces the 1997-98 golf turf management program

Applications are being accepted for the two-year Rutgers Professional Golf Turf Management School, one of the nation's leading professional education programs in golf turf management. The course is presented in two 10-week sessions over a two year period and requires two seasons of supervised field experience where students apply skills developed in the classroom.

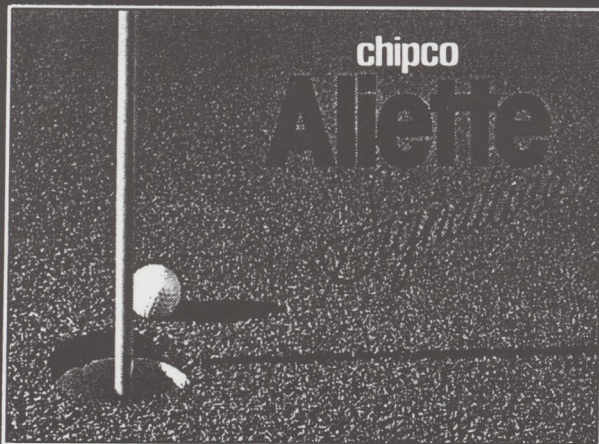
In this program, students learn technical skills required of all superintendents such as turfgrass establishment, maintenance of greens and tees, plant pathology, entomology and weed identification, as well as management, computer and communication skills all managers should master.

The course is recommended for golf course superinten-

dents, assistant superintendents, greenskeepers, irrigation technicians and mechanics who have a minimum of two years of experience working in golf turf management.

This year the fall session will be held October 6-December 12, 1997, and the winter session will be held January 5-March 13, 1998. Classes are held daily, Monday through Friday, from 9:00 a.m. to 3:00 p.m. on the Cook Campus of Rutgers University. Applications for the fall session are due on July 15, and for the winter session they are due on September 1, 1997. To request a brochure or for more information, contact Linda McAteer at the Cook College Office of Continuing Professional Education, P.O. Box 231, New Brunswick, NJ 08903-0231; (732) 932-9271 or e-mail at mcateer@aesop.rutgers.edu.

ANNOUNCING THE NEXT STANDARD IN TURF QUALITY AND TANKMIX FLEXIBILITY



SEE THE SIGNATURE DIFFERENCE
ON YOUR TURF.

grass roots, inc.

(973) 361-5943

Fax (973) 895-1388

"Serving the Turfgrass Industry Since 1978"

You Can't Get Healthy Plants From Sick Soil.

Natural Organic Fertilizers

Earth Works' 10-10-10 and 20-20-20 fertilizers are rich in nutrients and provide for better water holding capacity.

Natural Organic Soil Conditioners

Kick stimulates roots and improves soil structure. HANLE adds 12 vitamins to the soil.

Bio-Stimulants

"THE POTENT-SEA PROGRAM"
POTENT-SEA: POTENT-SEA HELPS
POTENT-SEA PLUS: reduces stress
and improves root growth.
POTENT-SEA PLUS: reduces stress
and improves root growth.

No matter how much time and effort you put into your turf, you won't see results unless you have healthy soil. Our "soil first" program uses a natural, organic system of products designed to condition your soil, enabling your plants to get more of what they need.

It biologically provides better nutrient mobility, water-holding capacity, and soil-buffering. You'll also notice a reduction in plant stress, resulting in an increase in disease and insect tolerance.

You'll notice the difference. But more importantly, your plants will notice the difference.



For a free catalog of our turf products and a complete list of distributors please call 1 (800) 732 TURF
Earth Works • PO Box 278K, Martins Creek, PA 18063

1997-1998 SUPPLIES CATALOG

CENTURY RAIN AID

Irrigation Equipment For Golf Courses



Legacy Central Control System



Legacy Golf Rotors

CALL CENTURY FOR SOLUTIONS AND A FREE GOLF CATALOG

Century Golf professionals have provided golf course irrigation systems for more than 30 years. We offer technical assistance and can help you with sprinklers, valves and controllers • pump stations • drainage • landscape lighting • aerating fountains and more.

CALL TODAY

800-347-4272

CENTURY GOLF PROFESSIONALS - NJ/DEL/MD

Phil DeMarco • 609-561-1777

Joe Porcello • 609-561-1777

Featuring



LEGACY™
GOLF IRRIGATION

Bittersweet Golf Course, Gurnee, Illinois

LEGACY GOLF NOW AVAILABLE IN THESE MAJOR MARKETS

ALABAMA • DELAWARE • FLORIDA • GEORGIA • ILLINOIS • INDIANA • MARYLAND • MICHIGAN • MINNESOTA
NEW JERSEY • NORTH CAROLINA • PENNSYLVANIA • SOUTH CAROLINA • VIRGINIA • WEST VIRGINIA • WISCONSIN • ONTARIO, CANADA

Cadence

by Brian M. Remo

Although I've only been an assistant for two years, there's something that I've noticed in the 17 years that I have been exposed to this industry. When I look back at all the assistants that I have had the pleasure to work with, I seem to remember that the ones who were the most successful were the ones who established a good communicative relationship with their staff. Being that, when I came to Rock Spring, I made it a point to keep those lines of communication open to develop a respect and cooperative relationship among the entire crew. Each individual has their own ideas, questions and suggestions that can help us gain greater insight to our management plan. The relationship between the assistant superintendent and each crew member is very valuable to both individuals. It is my belief that most important is the strong working relationship between the assistant and the equipment operations manager.

Paul Hubbard is the equipment operations manager here at Rock Spring Club. He joined us in January, having relocated



Equipment Operations Manager Paul Hubbard (left) and Brian Remo, assistant superintendent, of Rock Spring Club.

from Myrtle Beach. With seven years experience in the golf course industry and four years as a Coast Guard machine technician, he came to us with ample experience and a work ethic that fit right in with the high pace program of a private club. Our situation is one where the assistant and the E.O.M. are both new to the course where they are employed. This is a situation we both find beneficial because we are able to

Continued on page 22



WHITE MARSH, MD.

1-800-899-SOIL (7645)

FAX (301) 335-0164

Sterilized Top Dressing

Our top dressing is formulated especially for your area to specifications recommended by leading universities and testing laboratories.

EXCLUSIVE! All materials are thoroughly mixed and sterilized by indirect heat in our special process. The sand particles are actually coated with a mixture of top soil and peat humus for a completely homogenous mixture that will not separate during handling and spreading.

Computerized blending of soil mixtures for a superior growing medium.

Green and tee construction materials and mixes conforming to specifications are available.

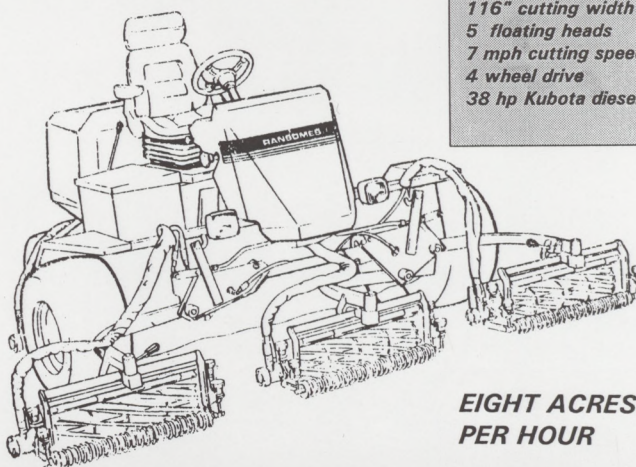
Custom on-site soil blending and testing with a portable computerized blender to meet your specifications are available.

RANSOMES 300

THE MOST PRODUCTIVE FAIRWAY MOWER

FEATURES:

116" cutting width
5 floating heads
7 mph cutting speed
4 wheel drive
38 hp Kubota diesel



**EIGHT ACRES
PER HOUR**

Double Eagle

EQUIPMENT COMPANY, INC.

285 Dayton-Jamesburg Road
Dayton, New Jersey 08810 • (908) 329-9292



New HERITAGE™ Fungicide

CHANGING THE COURSE OF DISEASE CONTROL

- Effective against 18 of the toughest turfgrass diseases
- Controls brown patch, Pythium, take-all patch, summer patch, anthracnose and snow mold
- Preventative and curative activity
- Low rates, extended spray intervals
- Novel mode of action
- Low risk toxicological profile
- Reduced risk to environmental resources

For more information contact
your authorized Zeneca distributor
or call Zeneca Professional Products
Toll Free at 1-888-617-7690.

ZENECA Professional Products

Always read and follow label directions carefully.
HERITAGE™ is a trademark of a Zeneca Group Company. ©1997. Zeneca Inc.

Cadence

Continued from page 20

develop a plan together and (with proper communication) cooperate our schedules and weekly goals to assist one another. Paul is an avid golfer and is very knowledgeable in respect to the playability and condition of the course. Paul and I try to play at least nine holes a week together, which has been most helpful to us both. It gives me an opportunity to show Paul the results of my work, as well as providing him a good look at how the machinery is performing on the job.

We both feel that the key to our successful working relationship is constant communication and free expression of opinion. Each Monday morning we discuss the goals for the week, and each morning we discuss the goals for the day. It allows us to know where we are, where we are going and where we need to be. Paul agrees that communication with the assistant superintendent is vital, providing an accessible link to the needs of the golf course and the desires of the golf course superintendent.

At Ridgewood C.C., Gary Drozdowicz has been the equipment operations manager for 11 years. During that period he has served under three different superintendents and in conjunction with over 15 different assistants. Gary's situation is much different than ours because of his experience on the job. After speaking with Gary on the phone, he expressed his opinions on the importance of a good rapport between the assistant and the E.O.M. He and the 1st assistant at Ridgewood, Bob Carey, have found that good communication is a must to manage efficiently at the 27-hole private club. Gary comments, "There are a lot of 9 p.m. phone calls and things can get hectic at times, but the important thing is to help each other out without telling each other how to do their job." Having been there for 11 years, Gary is a great benefit to any assistant at Ridgewood. He can be relied upon for information concerning crew capabilities, machine operation and which management tactics have and have not been effective in the past. "Good communication is not only beneficial," states Gary, "but essential."



Bob Carey and Gary Drozdowicz of Ridgewood C.C.

My father always told me that you can make every correct agronomic decision, but if the equipment doesn't run, you're dead in the water. I think that sums up the importance of a good E.O.M. pretty well. In turn, positive interaction between the assistant and the E.O.M. aids in the overall production of each individual. Lord knows, I'm no Mr. Goodwrench. Mechanics is by far the weakest part of my educated knowledge of this industry, but I am slowly finding out that the more questions I ask, the more I understand. Keep in mind that the responsibilities of an equipment operations manager can be quite disconcerting at times. They may spend a lot less time on the course than we do, but I'm sure that they have every bit as much interest in the finished product as we do. You also may be surprised at all of the useful input you'll receive from a simple conversation. Because even assistants can use a little assistance from time to time.



Joseph M. Mercadante, Inc. 201-467-8622
GOLF COURSE CONSTRUCTION
 Millburn, NJ

PARKING LOT AND CART PATH CONSTRUCTION

- PAVING • EXCAVATING
- DRAINAGE SYSTEMS
- TEE BUILDING • GRADING

NEW! Greens King V



- * 18 or 19 HP Engine * Power Steering
- * Operator Friendly * 7, 9 or 11- Bladed Units
- * Exclusive Flash attach system

Wilfred Mac Donald Inc.
 2 Terminal Road, Lyndhurst
 New Jersey, 07071
 (201) 804-1000

**JACOBSEN
 TEXTRON**

Jacobsen Division of Textron Inc.

COMPACTION

POOR DRAINAGE

POOR GROWTH

DRY SPOTS

PROBLEM SEEDING AREAS

THE SOLUTION LIES WITH

EARTHWORKS

AERIFICATION

VERTI-DRAIN DEEP TINE
SOLID OR CORE W/COLLECTION
FLOYD McKAY DEEP DRILL AND DRILL AND FILL
HYDROJECT WATER AERIFIER WITH AQUA AID INJECTION

OVERSEEDING

DOLL OVERSEEDING OF FAIRWAYS AND ROUGHS
VERTI-SEEDING OF GREENS AND TEES
OVERSEEDING OF ATHLETIC FIELDS AND SPORTS TURF

DETHATCHING

FAIRWAY AND ATHLETIC FIELD DETHATCHING WITH
VERTI-REEL 11'2" VERTICAL DETHATCHING UNIT WITH
BLOWER & 8 CUBIC YARD VAC FOR CLEANUP

"FLEXIBLE SCHEDULING, UNPARALLELED SERVICE."

CALL TOLL FREE: 1-800-815-1113

MARKS THE SPOT

by Edward Walsh, CGCS

Now that I am out of Essex County and almost at Mansion Ridge (a new Nicklaus course in my home town of Monroe, New York), I have been spending a lot of time driving around the New York Metropolitan area talking to superintendents about growing in a new course. This has been an interesting experience in itself, and it has led me to the subject of this column, toll collectors.

Now, I've wanted to write about toll collectors for some time, but always seemed to have other, more important topics to discuss. Having come across a lot of these folks in the past few weeks, it seems the appropriate time to make them the point of this "X marks the spot."

I did a little research into the training that these people get when they first come on the job. To my complete surprise, I found out that they get a lot of training in being friendly and courteous. Can you imagine that, they actually do get training on how to be friendly and courteous. If your experiences are the same as mine, and I'll bet they are, you probably think if that training included a test at completion, did anyone ever pass? In

***In all the times I've paid a toll
I can probably count on one hand
the times the toll collector was
actually pleasant.***

all the times I've paid a toll I can probably count on one hand the times the toll collector was actually pleasant. I'll go even further and say that I can count on one hand the times the toll collector even said anything at all.

Continued on page 25

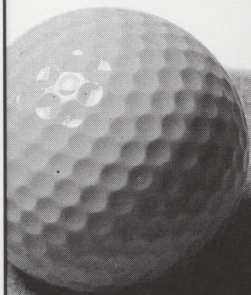
A Great Company Just Got Better.

The Morie Company is now part of Unimin Corporation, North America's largest producer of industrial minerals.

Our commitment to the golf industry
remains our top priority.

**Look for the same quality construction and
maintenance materials under the UNIPAR® name.**

Root Zone Mixes • Drainage Stone • Bunker Sands and Blends
Top-Dressing Mixes • Divot Repair Mixes



UNIPAR®

UNIMIN CORPORATION
For Product Information and
Availability
Customer Service:
800-732-0068
Fax: 609-861-2234

PARTAC® GOLF COURSE TOP-DRESSING

TURF-GREEN®
THE POROUS CERAMIC
SOIL CONDITIONER

TYPAR®
GEOTEXTILES & TURF COVERS



NEW PARTAC® NEW
COLORED CERAMIC
GREEN SAND
DIVOT REPAIR MIX

**U.S. GOLF HOLE
TARGETS™**

AMERICA'S PREMIUM TOP-DRESSING
HEAT TREATED
AVAILABLE IN BULK OR BAGS

PLUS GREEN & TEE CONSTRUCTION MIXES,
WHITE TRAP SANDS, CART PATH &
DIVOT REPAIR MIXES AND MUCH MORE!

DISTRIBUTED IN N.J. BY:

FARM & GOLF COURSE SUPPLY
215/483-5000

FISHER & SON COMPANY
610/644-3300

GRASS ROOTS TURF PRODUCTS
201/361-5943

TURF PRODUCTS CORPORATION
201/263-1234

PARTAC PEAT CORPORATION
KELSEY PARK, GREAT MEADOWS, NEW JERSEY 07838

908-637-4191

Continued from page 24

Now I realize that sitting in a toll booth collecting money and breathing in fumes from engine exhausts all day long is no piece of cake, but the money is pretty good, the benefits are very good and there is really no pressure from a performance standpoint. How difficult can it be to sit there and collect money? The most difficult thing you do is give change and maybe, and only under duress, give someone directions. Heck, Malinkowski could do that (???).

I have noticed that the people on the Garden State Parkway are usually nicer than those on the New Jersey Turnpike, and that the further away you get from the cities, the nicer almost all of these people get.

I have a solution to this never-ending problem. The GCSAA and local chapters should develop film clips from selected clubs' Green Committee Meetings. Show these folks who seem to have the weight of the world on their shoulders what it's like to sit through one of those experiences and maybe, just maybe, they won't think their jobs are so tough. The real problem might be that if we look at some of those clips ourselves and start to realize just how hard our jobs really are,

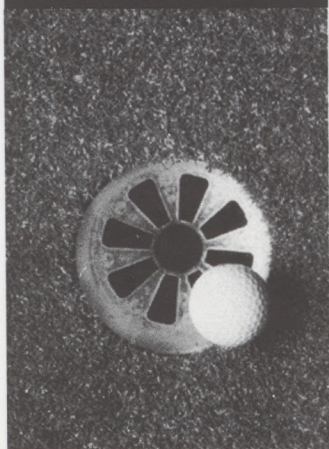
more and more golf course superintendents might want to become toll collectors.

Quick Note:

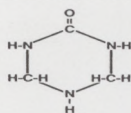
In my last column I talked about the families that have perpetuated this profession in New Jersey. In my haste I forgot to mention a person (and family) who has helped me personally many, many times during my career. Al Caravella never gets the credit he deserves for helping elevate this profession from the greenkeepers of yesterday to the golf course superintendents of today. He was one of the first to realize that moving from course to course was the only way to gain the financial rewards of hard work. He is also an innovator when it comes to understanding the importance and aesthetic value of trees, shrubs and flowers on golf courses. A lot of what we are today is due to Al's vision years ago, and I personally feel he's never received the accolades he deserves. Al, let me apologize to you, sons Mike (Broad Acres G.C.) and Frank (Mercer County Parks), and the real family boss, Kathleen, for the omission, and let me thank you for being there when I needed a lot of help.

GREEN-T
LIQUID FERTILIZER

(50% SRN)
is better for
you, your
turf and the
environment!



Unlike those fast-release N fertilizers that can leach nitrates and threaten groundwater GREEN-T® (50% SRN) contains a patented, *non-burning Triazone*™ closed-ring formulation of slow-release nitrogen. It's a far safer source of low volatile N for rich, lasting green color and reduced environmental risk. For best results, apply one of our N, P, K Complete GREEN-T Formulations.



Available From

PLANT FOOD COMPANY, INC.

Your Liquid Fertilizer Experts

38 Hightstown-Cranbury Station Road
Cranbury, NJ 08512 • 609-448-0935
800-562-1291 • FAX 609-443-8038

Stephen Kay

GOLF COURSE ARCHITECTS

GOLF COURSE MASTER PLANNING

GOLF COURSE RENOVATION

NEW GOLF COURSE DESIGN

GOLF COURSE CONSULTATION

914 - 699 - 4437

495 New Rochelle Road
Bronxville, New York 10708

New and exciting

by Vincent Bracken, Director District II

The Education Program and Table Top Field Day held at Basking Ridge turned out to be a huge success with over 32 superintendents and 30 plus commercial representatives on hand for the event.

The educational program was excellent. Speakers Christopher Hartman, counselor-at-law, discussed issues of hiring and firing; Lee Mangum from the Audubon Cooperative System touched on issues involving the process of becoming a Certified Cooperative Sanctuary; Dave Oatis and Ken Nelson are always crowd pleasers with their informative insight as to problems and solutions which they've come across in traveling in our region; and Pete Pedrazzi concluded the program with humor and emotion as to the ultimate pressure—trying to balance career and family. In my experience I have found it difficult and, at times, almost impossible to juggle the two. I make time for my family because, before you know it, the children are grown and in college. I really believe spending time with your children, whether at home, on vacation or even on the golf course, contributes to making you a better superintendent.

Below are the commercial representatives present at our Table Top event:

Tom Hunter, Montco/Surfside, Sky Bergen, National Seed Company, Ken Griepentrog, National Seed Company, Shaun Barry, AgrEvo, Steven Willand, Shearcr/Penn Tree Surgeons, Rip Rippel, Plant Food, Mike Bandy, W.A. Cleary Chemical Co., Bob Scott, DowElanco, Peter McFarland, Alpine, The Care of Trees Dennis DeSanctis, Wilfred MacDonald, Inc., Michael Pelrine, Wilfred MacDonald, Inc., Joe Porcello, Century Rain Aid, Jeff LaCour, Davisson Golf Inc., Mike Oleykowski, Novartis Ken Kubik, Grass Roots, Ray Buckwalter, Lebanon Seaboard Corp., Kevin Driscoll, Lofts Seed Inc., Al Rzezckowski, Lofts Seed Inc., Clyde Ashton, Dougle Eagle Equipment Co. Joe Jaskot, Aquarius Irrigation Supply Inc., David Beausoleil, Aquarius Irrigation Supply Inc., Adam Geiger, George Schofield Company, Phip Scott, Storr Tractor Company Fred Rapp, Storr Tractor Company, Cathy Futyma, Ferti-Soil Turf Supply, Peter vanDrumpt, Ferti-Soil Turf Supply Richard Brandell, Ferti-Soil Turf Supply, Pat O'Neil, The Terre Company, John Farrell, Barenbrug Northeast Lance Seeton, Lesco, Brad Simpkins, Lesco, Craig Lambert, Lesco

Thank you from GCSANJ.



Quick Establishment regent

Creeping Bentgrass

GET YOUR COURSE IN PLAY ...FAST!

Used alone or blended with other Bentgrasses **regent** has shown to be quicker to establish than most Bentgrasses.

Excellent diseases resistance, medium dark green color and an upright growth pattern make **regent** an outstanding variety to blend with other bentgrasses.

Call Barenbrug to get your course
in play **FAST!**

BARENBRUG

N O R T H E A S T


BARENBRUG NORTHEAST:

P.O. Box 99
150 Main Street
Ogdensburg, NJ 07439
Telephone (800) 435-5296
Telephone (201) 209-0088
Fax: (201) 209-0977

**BARENBRUG NORTHEAST
PITTSBURGH DIVISION:**

2242 California Avenue
Pittsburgh, PA 15212
Telephone (412) 321-1272
Fax (412) 321-2002






JAMES BARRETT ASSOCIATES, INC.

GOLF COURSE IRRIGATION ♦ DESIGN AND CONSULTING

JIM BARRETT

PRESIDENT

P.O. Box 853
Montclair, NJ 07042
(201) 744-8237
Fax: (201) 744-0457



TURF PRODUCTS CORPORATION

47 Howell Road, Mountain Lakes, NJ 07046

We Specialize in the odd & the unusual

- GRASS SEED • TURF TOOLS
- COURSE ACCESSORIES
- FUNGICIDES • HERBICIDES
- TURF EQUIPMENT

Call us at: 201-263-1234

PATRON DIRECTORY

AGR-EVO USA CO.

Manufacturer of Fine Turf Chemicals
Shaun M. Barry
(908) 846-8173

AGRO-TECH 2000, INC.

Axis/Break-Thru/Biosafe
Peter Van Drumpt - Chris Des Garennes
Rich Brandel, (800) 270-TURF

ALPINE THE CARE OF TREES

Tree Service
Peter J. McFarland
(201) 445-4949

AQUATROLS CORP. OF AMERICA

Manufacturer of Water Management Products
Andy Moore - Phil O'Brien
(800) 257-7797

ATLANTIC MILLS INC. GOLF DIV.

Tee to Green Accessories
Jack Brady - Abner Garcia - Anna Drainsfield
(908) 363-9558

BARENBRUG USA/NORTHEAST DIVISION

Turfgrass Seed Supplier
John Farrell - Scott Mearkle
(800) 435-5296

JAMES BARRETT ASSOCIATES, INC.

Irrigation Design and Consulting
Jim Barrett
(201) 744-8237

BOHM'S SOD FARM

Growers of Premium Golf Turf
David Bohm
(800) 624-1947

BRUEDAN CORP.

E-Z-Go & Yamaha Golf Cars
Peter Siegel - Michael Gesmundo
(800) 535-1500

CENTURY RAIN AID

Legacy Golf Irrigation Equipment
Phil DeMarco - Joe Porcello
(800) 347-4272, (609) 561-1777

CHIPCO/RHONE-POULENC

Chipco 26019, Aliette Signature, Aliette, Sevin,
Ronstar
Gret Hutch
(908) 929-4657

WA CLEARY CHEMICAL CORP.

Turf & Horticulture Chemicals
Bryan Bolehala - Mike Bandy
(908) 329-8399

CONCRETE STONE & TILE CORP.

Concrete Paver Manufacturer
Maryanne Nolan - Kevin Murphy
(201) 948-7193

ALAN G. CRUSE INC.

Golf Course Materials
Alan Cruse - Jim Cruse
(201) 227-7183

DeBUCK'S SOD FARM

Turfgrass Producer
Leonard DeBuck - Valorie DeBuck
(914) 258-4131

DOUBLE EAGLE EQUIPMENT CO., INC.

Professional Turf Equipment
Clyde Ashton - Jerry Pearlman
(908) 329-9292

EARTH WORKS NATURAL ORGANIC PRODUCTS

Manufacturer of Natural Organic Fert. & Growth Products
Joel Simmons
(800) 732-TURF

E/T EQUIPMENT CO.

Distributors of Quality Turf Equipment
Dick Neufeld - Tom Fallarcaro
(914) 271-6126

EGYPT FARMS, INC.

Greens Topdressing, Tee Divot Mix,
Construction Mixes, Aqua Aid Wetting
Agents, Bunker Sands, Shaws Fertilizers
Gary Ackerson - Dean Snyder - Ray
Bowman
(410) 335-3700, (800) 899-7645, Fax (410)
335-0164

FERTL-SOIL TURF SUPPLY

Manufacturers of Quality Turf Supplies - Topdressings
Marty Futyma - Cathy Futyma
(908) 322-6132

FINCH TURF EQUIPMENT INC.

John Deere Golf & Turf Equipment
Sam Baird - Ray Finch - Tom Wojcik
(800) 875-8873; Fax (215) 721-2833

FISHER & SON CO., INC.

Turf & Horticultural Supplies
Alan Phillips
(609) 478-6704

FLANAGAN'S LANDSCAPE-IRRIGATION CONTRACTOR, INC.

Building Greens, Tees & Irrigation
Robert J. Flanagan, Sr. - Roger P.
Flanagan, Jr. - Christine Flanagan
(908) 469-7782

GOLF CARS, INC.

Distributor of Golf Cars & Utility Vehicles
Jon F. Schneider - John A. Czerwinski -
Paul H. Szymanski
(215) 340-0880

GRASS ROOTS, INC.

Golf Course Supplies
Ken Kubik - Keith Kubik - Jay McKenna
(201) 361-5943

IMC VIGORO

Par ExO Controlled Release Fertilizers
Bruce Haworth - Steve Chirip
(800) 521-2829

J&R SUPPLY INC.

Wholesale Dist.
Dan Hinkle - Jeff Schmalz
(215) 794-7977

REES JONES, INC.

Golf Course Design
Rees Jones
(201) 744-4031

STEPHEN KAY, GOLF COURSE ARCHITECTS

Renovation, Master Planning, New Course
Design
Stephen Kay - Ron Turek - Doug Smith
(914) 699-4437; Fax (914) 699-4479

KOONZ SPRINKLER SUPPLY INC.

Distributors Turf Irrigation
William F. Koonz, Jr.
(201) 379-9314

LEON'S SOD FARMS

Turf Grass
Samuel Leon
(908) 996-2255

LESCO, INC.

Manufacturer & Distributor of Products for the
Green Industry
Craig Lambert - Lance Seeton - Brad
Simpkins - Greg Moran
(800) 321-5325

LOFTS SEED INC.

Turfgrass Seed & Wild Flowers
Mary Beth Rutt - Kevin Driscoll
(800) 708-8873

LONGO INDUSTRIES

Electric Motor/Pump Repair/Sales
Bob Tal - Bob Clader
(201) 539-4141

WILFRED McDONALD, INC.

Turf Equipment Specialists
Dennis DeSanctis - Blair Quin - Mike Pelrine
(201) 804-1000

RALPH MCGILLAN EXCAVATING

Lakes and Ponds
Ralph McGillan
(609) 655-2281

JOSEPH M. MERCADANTE, INC.

Paving, Excavating, Cart Paths, Tee & Trap
Construction, Golf Course Construction
Joseph Mercadante - Robert Mercadante
(201) 467-8622; Fax (201) 467-8419

METRO MILORGANITE, INC.

Turfgrass Supplies
Rick Appgar - Scott Appgar - Joe Stahl
(914) 666-3171; Fax (914) 666-9183

MONTCO/SURFSIDE (MONTCO PRODUCTS CORP.)

Surfside Wetting Agents, Zap! Silicone
Defoamer
Bob Oechsle (215) 836-4992 - Tom Hunter
(215) 766-0420 - Orders (800) 401-0411; Fax
(215) 836-2418

NATIONAL SEED COMPANY

Lawn & Specialty Seeds
Ken Griepentrog - Sky Bergen - Barry Van
Sant
(800) 828-5856

P & P EXCAVATING INC.

Excavating, Ponds & Lakes
Bob Laner
(201) 227-2030, (201) 227-2819

PARTAC PEAT CORPORATION

Top-Dressing & Construction Mixes, Golf
Hole Targets, Turf Blankets & More
Jim Kelsey
(908) 637-4191

PAVALEC BROS. GOLF COURSE

CONSTRUCTION CO., INC.
Golf Course Construction
Anthony Pavelec
(201) 667-1643

PENNINK ARRIMOUR INC.

Golf Course Renovation & Construction
Tom Ristau
(215) 659-6411; Fax (215) 659-9317

PLANT FOOD COMPANY, INC.

Manufacturer of Fluid Fertilizers
Ted Platz - Anthony "Rip" Rippel
(609) 448-0935, (800) 562-1291; Fax (609)
443-8038

RIGGI PAVING INC.

Asphalt Paving & Concrete Contractors
Frank S. Riggi, Sr. - Frank S. Riggi
(201) 943-3913

SEACOAST LABORATORIES/TWIN LIGHT FERTILIZER & SEED COMPANY

Fertilizers, Grass Seed
Gerald Fountain - Richard Baker
(908) 438-1300

GEO. SCHOFIELD CO., INC.

Golf Course Construction and Material
Supply
Kevin Schofield - Robert Carson -
Thomas Casmer
(908) 356-0858

THE SCOTTS COMPANY

Suppliers of Seed, Fertilizer and Control
Products
Fran Berdine - Steve Rudich - Rich
Bernard
(800) 543-0006

SHEARON ENVIRONMENTAL DESIGN

Golf Course Design and Construction
Chip Kern
(609) 466-0666, (215) 828-5488

STORR TRACTOR COMPANY

Turf Equipment, Irrigation, Environmen-
tal Products & Service
Phil Scott - Fred Rapp
(908) 722-9830

WILLIAM STOTHOFF CO., INC.

Well Drilling, Pump Sales and Service
David C. Stothoff - Bill Snyder
(908) 782-2717; Fax (908) 782-4131

STULL EQUIPMENT COMPANY

Turfgrass Equipment
John Barrow - Charlie McGill
(800) 724-1024

SWEENEY SEED COMPANY

Turfgrass Seed
Ched Baker - Andrew Sweeney-
Desri Pursell
(215) 275-2710

TEE AND GREEN SOD INC.

Sod Supply and Installation
Owen Regan - David Wallace
(401) 789-8177

THE TERRE COMPANY OF NJ, INC.

Golf Course Supplies
Brian Feury - Byron Johnson
(201) 473-3393

TURF PRODUCTS CORPORATION

Suppliers of Golf Course Materials
Buddy Rizzio - Ron Lake - Jim
Dempsey
(201) 263-1234

UNITED HORTICULTURAL SUPPLY

Fertilizer, Grass Seed, Chemicals
Gerald Fountain - Tom Hughes -
Richard Baker
(908) 438-1300

STEVEN WILLAND INC.

Turf Equipment Supplier
Mark Ericson - Bill Rapp
(201) 579-5656

● *New Patrons for 1997*

What do the superintendents of these
prestigious golf courses have in common?
They use the services of...

KOONZ

SPRINKLER SUPPLY

and



SERVICE EXCELLENCE

- Complete inventory
- Service assistance and technical support
- 30 years of service to the golf industry

QUALITY PRODUCT LINES

Distributors of:

- Nightscaping • NDS Drainage Products
- ADS Drainage Products

RAIN BIRD®

Keeping the golf world greener.™



PlantStar
INCORPORATED

*Fertigation Solutions
To Grow On*

TEMPEST™

CONTROLLED AIRSTREAMS

GAS & ELECTRIC FANS
PORTABLE, PERMANENT, OSCILLATING



Superior Aquatic Management Systems
MASTER DISTRIBUTOR

KOONZ Sprinkler Supply, Inc. Golf Division • 201-379-9314

39 Waverly Avenue, P.O. Box 55, Springfield, NJ 07081 • 201-379-9314 Fax 201-379-6504
2479 Yellow Springs Road, P.O. Box 433, Devault, PA 19432 • 610-647-1604

For sales information in Northern New Jersey/Southern New
York State please call **Bill Koonz, Jr.** or for Southern New
Jersey/Eastern Pennsylvania sales please call **Robb Werley**