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THE

GREENER SIDE

Vol. 4 No. 1

THE 1981 GCSAA AWARD WINNER

FEBRUARY - MARCH 1981

Dates to Remember

March 12

GCSANJ Racquetball Tournament II,
Racquetime, Waldwick, N.J. (10:00
a.m.-12:00 noon)

March 18

Information deadline for April issue of
"The Greener Side"

March 19

GCSANJ Seminar I, Forsgate C.C.,
Jamesburg, N.J.

April 23

Host: Bill Martin, Deal Golf Club, Dist. 7

May 11-18

LPGA Coca Cola Classic, Ridgewood
Country Club, Paramus, N.J.

May 21

Host: Tony Bifano, Mt. Ridge Golf Club,
Dist. 2, Two Man Best Ball

June 18

Host: Bob Ribbans, Fairmont Golf Club,
Dist. 3

July

Host: Bill Gaydosh, Edgewood Country
Club, Dist. 1, Joint Meeting - GCSANJ &
MGCSA

August

To be announced

September 24

Host: Ed Nickelsen, Montclair Golf Club,
Dist. 2, Invitational Tournament

October 22

Host: Wayne Remo, North Jersey C.C.,
Dist. 1, GCSANJ Championship

November

Annual Meeting

Expo '80 Review And Notes

A record breaking attendance of over 1,200 people highlighted the New Jersey Turfgrass Association's 10th Anniversary and Expo '80 held December 8-11 at the Cherry Hill Hyatt House, Cherry Hill, NJ.

With over 70 exhibitors participating in the trade show, and an educational program ranging from use of space photography for agricultural purposes to pin placement on greens, the conference was truly a great success.

Sessions for lawn and utility turf were conducted with the above mentioned program, while special sessions on insect identification, a small motor clinic, and pesticide applicator certification both preceded and ran subsequent to Expo '80.

Roy C. Bossolt was the recipient of the 1980 NJTA Hall of Fame Award.

Managing Turf Facilities with Less Water

by J.R. Watson

Vice President and Agronomist

The Toro Company

Minneapolis, Minn.

Drought has been so common and widespread throughout history that one might wonder why man, after centuries of suffering from its often devastating consequences, hasn't learned how to handle it . . . how to manage it.

Ever since the effects of drought began to extend beyond the concerns of farming - to industry, to municipal services, to the turfgrass industry and others - more and more people are asking that same question: Why can't drought be managed?

Can drought be managed?

In my view, it cannot; at least I believe it will be a long time before we have found ways to avoid all of the devastating consequences of drought.

That does not mean there is nothing we can do to minimize the consequences of drought in relation to specific conditions in specific geographic areas, for example, golf courses in New Jersey. We can do a great deal.

For, in fact, there are a number of steps that the golf course superintendent may put into effect that will minimize the impact of drought. And, there are several longer range steps or plans that he may implement and support that will be protective of the club's investment and the green space it represents.

Among the steps that may be launched concurrent with the onslaught of drought are the following:

1. **Establish watering priorities.** Give highest priority to the most intensively managed areas; for example, the greens, the most valuable part of the course and where the most critical play takes place. Then evaluate approaches, tees, landing areas, clubhouse grounds, and in cooperation with appropriate club officials, allocate the remaining water.
2. **Follow sound irrigation practices.** Irrigate when there is the best combination of little wind, low temperature and high humidity. When watering trees and shrubs, use probes so the water will penetrate deeply.
3. **Reduce, or avoid where possible, other causes of stress.** Be alert to salt buildup and make certain there is adequate internal soil drainage not only to promote deeper root growth but also to ensure movement of soluble salts out of the root zone.

4. **Alter cultural practices.** Test the soil to ensure adequate fertility, especially for phosphorus, which encourages root system growth - deeper roots, thus expanding the area from which the turfgrasses can draw nutrients and moisture. Repeat the soil test on an annual basis and carefully balance fertilizer applications against the rate of growth needed to support traffic and the amount of available water.

Raise the height of cut for all areas. Raising the height of cut on a golf course green as little as 1-32 of an inch can have a significant effect on the ability of the grass to tolerate stress. Where possible, mow less frequently. Increase frequency of spiking or cultivation (core) - if temperatures are not extreme - to trap moisture and to help hold it longer in the vicinity of the root system.

5. **Expand use of mulch.** This is a very important technique by which to conserve water, and with some materials, if properly applied, mulches are attractive and improve the aesthetic value of the property. Apply heavy layers of mulch - any organic debris that's available - around the base of trees, shrubs and flower beds, to hold in moisture.

6. **Erect wind barriers,** especially where there are large expanses of open spaces.

7. **Experiment with anti-transpirants.** Although techniques for inhibiting transpiration have had mixed results, some reduction in moisture loss through transpiration might be accomplished with the use of chemicals, emulsions or films.

Water conservation, alteration of cultural practices to provide a more suitable agronomic environment for the plants, and common sense management are key to plant survival during drought.

Droughts are usually of short duration, rarely longer than two or three years.

In fact, most people think that drought results from a temporary aberrant behavior of nature, a simple matter of insufficient moisture from rain or snow. They accept a certain amount of inconvenience until rainfall or snowfall returns to "normal," then revert to their usual wasteful use of water.

continued on Page 4

the GREENER SIDE

GCSANJ Newsletter is published six times a year by the Golf Course Superintendents Association of New Jersey, P.O. Box 231, New Brunswick, N.J. 08903.

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Associate Editor

Jerry Schoonmaker, Photography
Dennis DeSanctis, Special Projects

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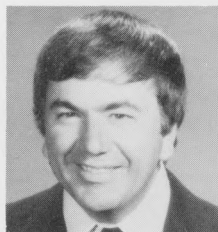
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President's Message

Jack Martin



Gentlemen:

It is my pleasure to address you for the first time in 1981. 1980 was a very productive year for our Association and we look forward to surpass our goals again this year. Before we discuss the New Year; congratulations are in order for Ed Walsh and his staff of the "GreenerSide". The "GreenerSide" won the best newsletter award in the country in its division. This is a feat never before accomplished in New Jersey, and deservedly so. Thanks, Ed and Staff. Keep up the great work. I am sure you will try to make it two in a row this year.

This year again we will stress our education program, starting with a seminar in March. Professional improvement and recognition will also be in the forefront.

Our most important topic at this time, as you well know, is the water situation. Your President and the Water Resources Research Committee have been busy over the past months assembling facts and figures in this regard. I attended an organizational meeting at Forsgate Country Club in January, 1981, sponsored by the New Jersey State Golf Association. Other golf oriented people were also in attendance. A committee was formed and Jim Gilligan represented our Association at a meeting in Trenton on January 30, 1981. The main purpose of this committee was to obtain a clarification of the law as it affects our industry. Since this topic will be discussed at length in this newsletter and at the seminar, I will only say that the picture looks bleak if we do not receive sufficient rainfall in the next few months.

We like to feel that our profession is on the up-swing and recognition of same is forthcoming, but this can only be achieved through hard work. Your participation is needed to continue to strengthen your Association and profession.

Jack Martin
President

1981 Greener Side

District Reporters

District 1 - Dennis DeSanctis
District 2 - Mike Hannigan
District 3 - Ken Kubik
District 4 - Dave McGhee
District 5 - Bob Dwyer
District 6 - Charlie Dey
District 7 - Rip Ripple
District 8 - John Boyer

These listed names are your District Greener Side representatives. If you have something of interest, please contact them. If your District isn't mentioned in this publication, it's either your fault or your representative's.

Michael R. Bavier, CGCS Elected 1981 President In GCSAA Annual Meeting in Anaheim

Michael R. Bavier, CGCS, superintendent of Inverness Golf Club, Palatine, Ill., was elected President of the Golf Course Superintendents Association of America in the group's annual membership meeting here today.

Also elected were James A. Wyllie, Bayview Country Club, Thornhill, Ontario, Canada, Vice President; Eugene D. Baston, CGCS, Birmingham (Ala.) Country Club, Director, and Riley Lee Stottern, CGCS, Jeremy Ranch Country Club, Salt Lake City, Utah. The election was in conjunction with GCSAA's 52nd International Turfgrass Conference and Show in the Anaheim Convention Center.

Bavier, who served as GCSAA Vice President in 1980, has been a GCSAA member for 15 years. He also served as a Director of GCSAA for four years. He has been superintendent of the Inverness Golf Club since 1969, and previously was superintendent of Calumet Country Club, Homewood, Ill., from 1965 to 1969.

Wyllie, formerly GCSAA Secretary-Treasurer, has served as a Director of the Association for three years. A GCSAA member for 20 years, he has been superintendent of Bayview Country Club for the past year. He previously served as superintendent of Lambton Golf and Country Club, Toronto, from 1967 to 1979.

Baston, a GCSAA member for 14 years, has been superintendent of the Birmingham course for the past eight years. Prior to that, he was superintendent of Bay Hill Club and Lodge, Orlando, Fla., for two years and Savannah (Ga.) Inn and Country Club for five years.

Stottern, a GCSAA member for 13 years, has been superintendent of the Jeremy Ranch course for nearly one year. Prior to that, he was superintendent of the Dessert Inn Country Club, Las Vegas, for two years, and Oakridge Country Club, Salt Lake City, for 12 years.

The new officers join Directors Paul Boizelle, C.G.C.S., Fiddlers Elbow Country Club, Far Hills, N.J.; Edward Dembnicki, C.G.C.S., Arcadian Shores Golf Course, Myrtle Beach, S.C.; Robert W. Osterman, C.G.C.S., Connecticut Golf Club, Easton, Conn., and James W. Timmerman, C.G.C.S., Orchard Lake (Mich.) Country Club. Outgoing President Melvin B. Lucas Jr., C.G.C.S., Piping Rock Club, Long Island, N.Y., also will serve on the Association's Board of Directors for an additional year.

The association's annual conference and show, which included the membership meeting and election drew a record attendance of more than 8,000 for its five-day run in the Anaheim Convention Center. GCSAA, with a total membership of almost 5,000, is headquartered in Lawrence, Kansas.

From the Editor's Desk



If I ever suggest that the 1980 Greener Side year wasn't extremely satisfying, I am not being truthful. Starting with a somewhat inexperienced but very enthusiastic staff proved an asset rather than a deterrent. We never excepted anything as impossible; and confronting those difficulties only made us work harder to correct our shortcomings. I am hopeful you will agree the end results speak for themselves.

The icing on the cake came last December 22 when I received a letter from the GCSAA Director of Communications, Dick Hale, informing me our own Greener Side was awarded the Chapter Newsletter Editor Award. As soon as I got over the shock, I called Mike, Kenny and Jerry. As you might expect, they shared my happiness.

The award was presented at the National Convention in Anaheim, California, and I, unfortunately, can find one major fault with it. There is only one name on it's inscription. Although it is presented to the Editor, and in most instances he is responsible for his publication's success, The Greener Side is different. We all have equal duties and responsibilities and for us to achieve our goal, everyone has to pull his weight.

When we first talked to our printer they suggested the reproduction of good pictures depends solely on the quality of photography we provide. Jerry Schoonmaker accepted that responsibility and has given us nothing but first class quality. We have a library of photos taken over the past few years and at a moments notice can find a picture of almost any GCSAA member, meeting speaker, or past event.

If anyone on our staff could consider themselves experienced it's Ken Kubik. Ken worked with Paul Boizelle for two years on the GCSAA newsletter as Advertising Manager and his expertise and enthusiasm rubbed off on us all. He adopted our present advertising scheme of patron listings and has developed an ever more flexible program for our 1981 advertisers. Ken's ingenuity has not gone unnoticed as I received more advertising information requests from fellow editors than all other requests combined.

I wish I could take credit for appointing our Associate Editor, but I can't. When the newsletter editorship was presented to me, our President, Jack Martin, suggested I ask

Tips on Tank-Mixing Pesticides

Tank mixing of pesticides is being done more and more by lawn care people and golf course superintendents to control weeds, insects and diseases. And they save labor in many uses by adding pesticides to fluid fertilizer instead of water as a carrier. Careful tank mixing is important to avoid problems. It works well as many farmers and fruit and vegetable growers have experienced for years.

1. Read the labels carefully for all products you will mix. Follow directions.
2. Do a small scale "jar" test for compatibility as follows:

Place one pint of carrier-water or fluid fertilizer in a quart jar. Add each pesticide or a pre-mix of pesticide in water, one at a time, and shake well with each addition. Use each product in the same proportion to carrier as it will be in the actual tank mix.

Unless labels indicate otherwise, add pesticides in this order: wettable powders first, followed by flowables, water solubles, surfactants, and emulsifiable concentrates.

Invert the jar ten times, then inspect the mixture immediately and after standing quietly for 30 minutes. If a uniform mix cannot be made or if nondispersible oil, sludge or clumps of solids form, the mixture is incompatible and should not be used. Minor separation after 30 minutes, without sludge or clumps and which remixes readily with ten jar inversions, is tolerable if field spray tank agitation is good and keeps the combination mixed.

3. When you tank-mix in volume, put 2/3 of the carrier in the tank first. Then add pesticides one by one, with wettable powders first. Agitate for thorough mixing after each addition, before pouring in the next. Finish filling the tank with carrier.
4. Keep agitation going at all times on the way to the field, during the application and during stops for any reason. Empty the tank preferably on the day of mixing. Do not allow mixture to stand overnight without agitation. Check labels for temperature and humidity data as they affect mixing or delay in use.
5. With any new combination, test your tank mixture on small areas, at varying rates and conditions of use before large scale use. Check your State College or extension agent to test data and on variations in local water supply that may affect performance.
6. Use exact dosage rates for registered tank mixes. Changes my cause crop injury or poor performance on weeds or pests.

CREDIT: The Florida Green

Mike Hannigan for assistance. It took only one phone call and Mike said yes enthusiastically. He is responsible for each issue's feature story and works tirelessly to provide accurate, up-to-date information.

I would be remiss if I failed to mention Dennis DeSanctis and the Spear Printing Company. Dennis has provided our readers with enjoyment in four of our issues with his crossword puzzles. They have been very well received throughout our state and gained national attention at the convention. We are all hopeful Dennis will continue to work with us and possibly take a more

active role in the future. Elmer and Bertha Spear of the Spear Printing Company, Washingtonville, New York, have been a major contributors to newsletter's success. Their assistance in layout and graphic and design only helped to make The Greener Side a better publication.

In closing the 1981's first editor's desk column, I want to make three promises: 1) We will all try to provide a publication worthy of our profession; 2) continue to provide pertinent, accurate information; and 3) that I will never write an editor's desk column this long again.

Thank you, one and all.

Less Water

continued from page 1

That is probably the worst possible way to manage our green landscaped areas. And, if there ever was a time in history when the world's supply of fresh water was sufficient to tolerate wasteful use, that time has passed. We need to practice water conservation on a continuing basis. We need to seek alternate sources of water, to develop grasses that are tolerant of non-potable waters, plants that are drought tolerant, and we need to take a stand in the political arena to protect our golf courses and other green areas against restrictive water use laws. These and other considerations must be put into practice today. By so doing you will be prepared for the day when it will become necessary for you to function with less water, either because the water simply will not be there, physically, in the quantities you are accustomed to using, or because someone . . . some bureaucratic or legislative authority . . . will have taken it away from you and diverted it to a purpose considered more important.

— When asked what the toughest problem was in directing construction of the world's first atomic submarine, Admiral Rickover tersely replied, "Picking good men."

Success in management - at any level - depends on the ability to pick the right people for the right jobs. First line supervisors face essentially the same problem as company presidents. They have to figure out what abilities jobs require, then pick the people most qualified.



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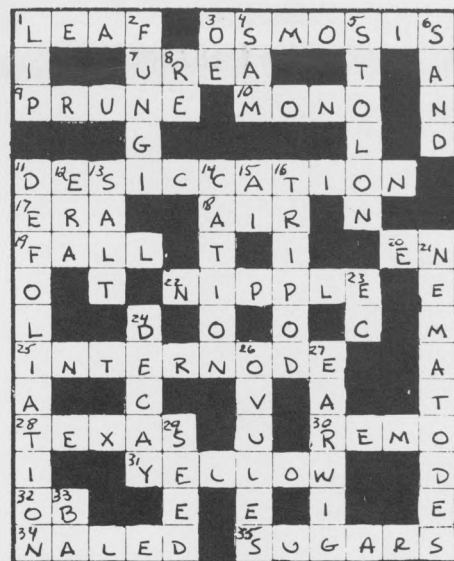
1981 Committees and Chairmen

1. By-Laws — Ed Nickelsen, Glen Gallion
2. Education — Dave McGhee, Steve Finamore, Les Stout
3. Ethics — Bob Ribbans
4. Membership — Charlie Dey
5. Governmental Relations — (Water Resources Research Committee)
Cliff Belden, Jim Gilligan, Joe Flaherty
6. Research — Jim Ritter, John Fenwick
7. Roster — Les Mickens, John Fenwick
8. Finance — Ed Nickelsen
9. Editorial — Ed Walsh, (Mike Hannigan, Jerry Schoonmaker, Ken Kubik)
10. Field Day — Skip Cameron, Tony Bifano
11. New Jersey Turf Grass — Cliff Belden
12. Chapter Relations — Ed Nickelsen, Steve Finamore
13. Logistics and Meeting Coordinator — Skip Cameron
14. Invitational — Ed Walsh (Fran Berdine, Dick Grant, Ken Kubik, Ernie Rizzio)
15. Golf — Wayne Remo, Les Mickens, John Fenwick
16. Historical — Paul Boizelle
17. Benevolence — Les Stout
18. Publicity — Glen Gallion (Jerry Schoonmaker)
19. District Re-evaluation and Improvements — Dave McGhee
20. Christmas Party — Bert Jones
21. Voting Delegate — Cliff Belden, Alternate — Bob Dickison
22. Sergeant-at-Arms — Wayne Remo, Les Mickens

— "Don't kid yourself," said the coach. "The will to win is important, but it isn't worth a nickel unless you have the will to prepare."

This publication aims to please everyone so if you find any gramaticle errors or mis-spelled words you can bet they are in there for a reason. Believe it or not some folks only read this newsletter in hopes of finding mistakes.

TURF TWISTER



**Answers from
December 1980 Twister**

New Members

Bruce Cadenelli, A, Hollywood Golf Club;
Charles H. Cross, B, Rumson Country Club;
Victor Bowman, C, Lebanon Chemical
Company; Frank V. Rogers, D, McGraw
Hill Co.' John Kupcho, Hon. Essex County
Agent.

Change of Classification

Thomas Grima, B-1 to A; Donald
Sauvigne, B-1 to B; Gerald Fountain, B-1 to
B; Anthony Johnson, Reinstated mem-
bership to A.

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CHIP SHOTS

— John Kupcho, Essex County
Agricultural Agent, has been made an
Honorary Member of the GCSANJ.

— Charlie Cross, formerly Assistant
Superintendent at New Canaan Country
Club in Connecticut, has been named Golf
Course Superintendent at Rumson Country
Club.

— Bruce Cadenelli is the new superin-
tendent at Hollywood Golf Club. Bruce was
Superintendent at Park Golf Club in Con-
necticut prior to this.

— District 2 held its first meeting of the
new year on January 15. Director, Glenn
Gallion, put together a very informative
program on "Diplodia Blight" with Jack
Kupcho, Essex County Extension Agent,
and Vinnie Lichari of Woodland Tree
Experts Company as guest speakers.

— A new Constitution and By-Laws for
the GCSANJ was voted into effect
December 10, 1980 at a special meeting of
the membership during the NJTA Expo '80.

— Joe Flaherty, CGCS, Baltusrol Golf
Club, was one of five superintendents from
across the country to receive a GCSAA
citation of performance award at the USGA
Green Section's Annual Educational
Conference in Anaheim, California, on
January 29. This award was given to
"recognize the outstanding efforts of a
select few golf course superintendents in
hosting major golf tournaments." Joe's
award stemmed from his work in preparing
and maintaining Baltusrol during the 1980
U.S. Open Championship held June 12-15.

— Bruce Peeples, formerly Assistant to
Steve Finamore at Hominy Hill Country
Club, has joined Storr Tractor as an
irrigation consultant. Bruce will be visiting
golf courses in southern New Jersey.

— Don Mohr, County Agent for Mon-
mouth County, and Jim Snow, USGA Green
Section Agronomist, were the guest
speakers for District 7's first meeting at
Hominy Hill Country Club. Topics
discussed included permits and records
required by the state for water usage and
water conservations.

— Storr Tractor has announced the hiring
of former golf course Superintendent Ed
Brittain. Ed, who has been a Superin-
tendent at Rumson Country Club for the last
28 years, will move into the service
department at Storr and will become a field

service representative. Ed will be servicing
many of the golf courses in the New Jersey
area.

— Congratulations to Fran Berdine, our
Northern New Jersey O.M. Scott Sales
Representative, on his recent promotion to
Senior Tech. Rep. The promotion was
announced at Scott's recently concluded
national sales meeting in Phoenix, Arizona.

— All our thoughts and best wishes are
with Pete Loft (Loft's Seed Co.) for a
speedy recovery from his recent illness.
Pete is back at the office on a limited basis
and we all look forward to seeing him back
there full time soon.

— Congratulations to Rick and Rita
Munkelt on the birth of their son, Kenneth,
on February 7. Rick, former Assistant at
Ridgewood Country Club, has recently
accepted the position of Golf Course
Superintendent at the Lake Mohonk Golf
Club, New Paltz, NY.

— Doc Engle is on the road to a speedy
recovery after a recent illness. Doc and his
wife, Margaret Ellen, are taking it easy
while visiting friends in Nebraska.

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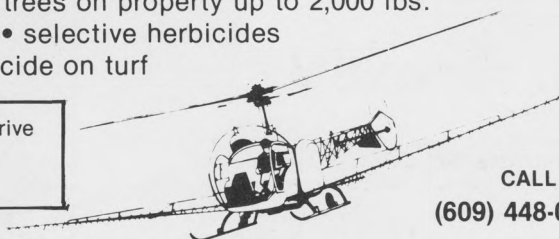
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GCSANJ Annual Educational Seminar I

Forsgate C.C. March 19, 1981
Morning Session — Water and 1981

- 8:00-9:00 Registration, Coffee and Danish
9:00 Welcome, Jack Martin, President
9:05 Sources of Water
9:35 Water Regulations - Robert Hanna, Rutgers University
10:10 Long Range Weather Outlook - Anthony Broccoli, Meteorologist, Rutgers University
10:40 Turf Management with Less Water - Dr. William Mitchell, University of Delaware
11:30 Reports from GCSANJ Water Resources Committee and NJGA Water Policy Committee

LUNCH

Afternoon Session — First Aid and Insect Update

- 1:30-3:00 Basic First Aid and CPR - Jeanne True, Cardio-Pulmonary Resuscitation (CPR) Coordinator, Overlook Hospital, Summit, N.J.
3:00 * Ataneius Control Update - Dr. Louis Vasvary, Rutgers University
3:30 Adjourn

COST: Registration and Lunch: \$15.00

Green Chairmen, Club Officials and Staff Members invited.

* Credit given toward Pesticide Certification if attended.

COMMITTEE: Dave McGhee (Chairman), Steve Finamore, Les Stout

LETTERS TO THE EDITOR

Dear Editor:

I would like to congratulate Jack Martin on his election to President of GCSANJ, and his Campaign Committee, for a job well done. Also I would like to thank those that supported myself over the past several years and my effort in the elections.

Congratulations and thank you,
Dennis L. Wagner

— Tact is the art of making a point without making an enemy.

Social Security Tax To Take Bigger Bite

Anyone who has been earning \$18,000 a year will have his annual take-home pay reduced by \$93.60 per year in 1981 because of a bigger Social Security tax bite. If you earn \$29,700 or more, the increase deductions, which started with January paychecks, will be \$386.38.

This grim news is because of increases in the wage base or amount of earnings on which Social Security taxes are levied. In 1980, the deduction was 6.13 percent of all earnings up to \$25,900, but for 1981, Social Security tax can go as high as 6.65 percent on the first \$29,700 of earnings for employees and employers.



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BOARD NOTES

FORSGATE COUNTRY CLUB

January 14, 1981

Dr. Reed Funk presented a report on the Bentgrass research program at Cook College and the progress of his research.

The Board expressed concern for the delinquent dues for 1981 and asked all directors to check with their members on payment when possible.

The Board decided to discontinue the sale of the NJGCSA jackets due to the lack of sales in the past.

President Martin read a letter from Bob Osterman congratulating Ed Walsh for winning the Chapter Newsletter Award for Category C.

President Martin attended a meeting of the NJ Golf Association along with Dr. Indyk and Joe Flaherty at Forsgate Country Club concerning the possible water restrictions for golf courses this season. The NJGA and GCSANJ will be working together in petitioning Trenton for water requirements for the turf industry.

1981 Officers Elected For NJTA

President - Paul Des Champs
Vice President - Clifford Beldon
Treasurer - William Richie
Secretary - Ralph E. Engel
Past President - Fred Eden



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USGA UPDATE

Dr. Joseph M. Duich Named Recipient of the 1981 USGA Green Section Award

Dr. Joseph M. Duich, professor of turfgrass science and turfgrass project leader at Pennsylvania State University, in University Park, Pennsylvania, has been named the recipient of the 1981 Green Section Award, presented by the United States Golf Association in recognition of his distinguished service to golf through work with turfgrass.

Dr. Duich received the Green Section Award during the 25th annual USGA Green Section Educational Conference at the Anaheim Convention Center, in Anaheim, California, Thursday, January 29, 1981. Will F. Nicholson, Jr., of Denver, Colorado, President of the USGA, and Stephen J. Horrell, of El Cajon, California, Chairman of the Green Section Award Committee, made the presentation.

Dr. Duich, who began his career as a 14 year old boy pushing a hand greensmower, has been dedicated to golf turfgrass improvement in the succeeding 38 years from turf student to teacher-researcher.

Trained under the late H.B. Musser, professor emeritus of agronomy at Penn State and the 1966 Green Section Award recipient, Dr. Duich earned his B.S. degree in 1952 and his Ph. D. in 1957 in agronomy.

Over the years, Dr. Duich has significantly contributed to better golf through research, teaching, and education. His turf research contributions have been concerned with grass varietal improvement, varietal evaluation, roadside development, weed control, turf-disease relationships, fertilization, and soil modification. Among his breeding contributions are the varieties Pennstar Kentucky bluegrass, Pennfine perennial ryegrass, and the Penneagle and Pencross bentgrasses.

Through his efforts as turfgrass project leader, the Penn State Turfgrass Project has developed an extremely effective research-teaching team. Dr. Duich has raised nearly \$300,000 in non-governmental research funds and \$85,000 in equipment which have expanded the research facilities nearly tenfold.

For his outstanding teaching, Dr. Duich received the Gamma Sigma Delta Teaching Award in 1974 and the Northeast American Society of Agronomy Teaching Award in 1976. The GCSAA presented Dr. Duich with its Distinguished Service Award in 1976 due in part to his teaching contributions and effectiveness. Among his other honors, Dr. Duich was named a Fellow of the American Society for Advancement of Science in 1964 and was the recipient of the Distinguished Service Award of the Pennsylvania Turfgrass Council in 1974. Dr. Duich is an honorary member of several turfgrass and golf course superintendents association.

David Fay and Michael Butz Assume New USGA Duties Timothy Ansett Joins USGA Green Section

David Fay, Tournament Relations Manager of the United States Golf Association for the past two years, has been appointed to the newly-created position of Manager, Rules and Program Development of the USGA, it was announced recently by P.J. Boatwright, Jr., Executive Director of the USGA.

Simultaneously, Michael Butz, USGA Southeastern Regional Affairs Representative, since April, was named to replace Fay as Tournament Relations Manager.

Also, Timothy Ansett has been named Agronomist for the Northeastern Region of the USGA Green Section.

Among his principal duties, Fay will assist in managing the administration of the USGA Associates Program and other assigned program development activities. Also, he will assist in responding to Rules of Golf inquiries from the general public, as well as other Rules activities, and will be involved with various aspects of the USGA's external communications program.

Before joining the USGA staff, Fay was the communications director of the Metropolitan Golf Association in New York City. He was graduated from Colgate University in 1972. Fay and his wife Joan currently reside in Summit, New Jersey.

In his new position, Butz, a native of Chambersburg, Pennsylvania, will assist USGA Member Clubs with preparations for the 11 national championships. Upon joining the USGA last April as a Regional Affairs Representative, his duties included providing direct services to golf clubs and associations located in the Southeast and expanding the use of the Green Section's Turf Advisory Service.

A graduate of Wake Forest University, Butz was a sales representative before joining the USGA. He currently resides in Gladstone, New Jersey.

As a Green Section Agronomist, Ansett will be assisting USGA Member Clubs in the Northeastern Region with all aspects of golf course maintenance and management.

A 1976 graduate of Michigan State University, Ansett earned his master's degree in horticulture from Colorado State University in 1978. Before joining the USGA staff, he was a landscape-turf advisor for the University of California Cooperative Extension. A native of Toronto, Canada, Ansett currently resides in Somerville, New Jersey.

— Practice does not make perfect;
perfect practice makes perfect.

Precautions During Winter

There are precautions which must be taken while engaging in outdoor work. In the cold, wet wind, hypothermia and frostbite may occur if the participant is not careful.

Hypothermia occurs with the lowering of the body core temperature. Symptoms which may be detected are loss of coordination, difficulty in speaking and inability to think clearly. It is recommended one keep warm and dry and drink plenty of liquids. Should any of the symptoms be present, give the victim something warm to drink and remove wet clothing.

When tissues of body extremities, such as the nose, ears, or toes freeze, frostbite occurs. The skin turns cold, the color grayish-white, and there is a loss of sensation. To treat frostbite, rewarm by cupping a hand over the area (do not rub surface). If the tissue below the skin feels hard, medical attention is necessary.

Credit: The Morris County Ranger

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2. Is there a fourth of July in France?
3. What state in the U.S. grows the most eggplants?
4. What do you say to God when He sneezes?
5. Do you know the difference between horns (like that on a bull) and antlers (like that on a deer)?
6. Who owns the most land in the U.S.?
 - The U.S. Government?
 - Private landowners?
 - All the Indian reservations combined?
8. Which weighs more, a cubic foot of ice or a cubic foot of water?
9. There are two fathers and two sons dividing up \$15.00. They each end up with \$5.00. How can this be?
10. In a deck of normal playing cards, one of the kings is shown in profile while the other three kings look straight ahead. Which king is in profile?
11. Which is our southern most state?

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The Do's and Don'ts of Pumphouse Operation During Heat Stress

Although it might seem premature to speak about the effect of heat spells on your irrigation pumping equipment while our temperatures hover around the freezing point, this is actually a most opportune moment for you to familiarize yourself with your pump, its motor, and the electrical controls that regulate it. These items are the heart of your irrigation system, and must be regarded as such. The following are a few tips on how to avoid the inconvenience an inoperative pump can cause.

To begin with, it is most important to know the capabilities and limitations of your pump. Do not exceed the amount of gallons per minute your pump is designed to deliver. For instance, it is possible to over-pump and receive 800 G.P.M. from a 600 G.P.M. rated pump. However, this would result in running the electrical motor off its curve, excessive amperage drawing, heaters tripping, fuses blowing, and possibly burning out the motor itself. Due to the heat that the motor normally generates by usage, this problem would be most apt to occur during extreme heat spells.

In addition to being well educated about your pump, it is equally important not to oversize the fuses and overload relays (heaters) that accompany your electrical controls. If these items are blowing out, do

not ignore these warning signs, they are telling you in advance that a problem exists and that you should seek help prior to the occurrence of severe and costly damage to your equipment.

Watering should be done in the early morning and evening, if possible, in two ten or fifteen minutes timings (irrigation clock settings), allowing as much time as you can between starts so that the pump motors may cool as well as the electrical starters. If it is necessary to water twenty minutes, do so in two ten minute spans.

Make sure that your pumping facility is well ventilated. For example, placing a fan at floor level blowing upward at the motor is a good suggestion. Furthermore, keep the starter doors on your panel open while running your pump, and a fan would be very helpful there, as well.

In conclusion, it is too important not to emphasize that your pumping equipment is an integral part of your golf course maintenance program. This equipment, like the other tools used, must be serviced, maintained, and treated graciously. Please feel free to call upon us with any questions or problems which might arise with your pumping facilities.

Good luck for a prosperous and untroubled 1981 season!

Courtesy of: Lance M. Authelet, President; Authelet Wilson Co., Inc.



Roy Bosscoet receiving NJTA Hall of Fame Award from Jack Whitpen.

Mid Winter Liquidation Sale

GCSANJ Jackets/Logo

Charlie Edgar has informed us that he has only six jackets left!! Sizes and quantity are as follows:

3-Medium 2-Large 1-Extra Large

Price: \$27.75, Interested individuals should contact Charlie Dey or Dr. Henry Indyk.

Water Use Update

The following are excerpts from Governor Byrne's Executive Order No. 104 issued February 7, 1981, that pertains directly to golf courses in the drought affected areas of New Jersey:

Page 2, Section 2. "I hereby prohibit the following uses of fresh water in the areas described in Attachment A:

"A. The watering of all plant growth except commercially grown crops."

"H. All outdoor recreational purposes."

These rulings have been interpreted by members of the Governor's Emergency Task Force, to include "turfgrass." The Task Force members also detailed that "fresh water" means both potable and non-potable water from any source.

These interpretations were made by Phillip Heathcote and John Wilford, who are members of the Task Force, at a water use forum sponsored by the Cooperative Extension Service in conjunction with GCSANJ's District 3 on February 17, 1981, in Morris Township.

Program participants included the following:

Mr. Clifford Beldon - GCSANJ;

Mr. Robert Dubee - Arborists Association of New Jersey;

Mr. Franze Fuertges - N.J. Association of Nursery Men;

Mr. Steven George - N.J. Plant and Flower Growers Association;

Mr. Phillip Heathcote - Business Advocacy Specialist, Member: Governor's Emergency Task Force;

Dr. Theodore Shelton - Asst. Specialist in Water Resources Management, Cook College, Rutgers State University;

Mr. James Vreeland - N.J. State Senator, Dist. 24;

Mr. John Wilford - Asst. Director, Water

Supply and Flood Plain Management, Division of Water Resources, D.E.P.

The meeting was called to establish a line of communication between the "Green Industry" and the State Capital.

The participating representatives of the various Ornamental Horticulture Industries voiced their opinions on the impact of the water restrictions now in effect, and in some cases, how they were attempting to cope with them.

Especially interesting was the presentation of Cliff Beldon, GCSANJ, who noted that, while most industries have been asked for an "immediate 25 percent reduction in water usage" (see footnote), the golf course industry has been required to reduce 100 percent.

In other areas pertaining to golf course maintenance covered at the meeting, it was stated by the Task Force members that non-potable water can be used for pesticide applications to turf and ornamentals. However, it was suggested that we get written permission to avoid implications with local authorities. President Martin, GCSANJ, is requesting such to cover members of our organization.

It was also noted that non-potable water can be used to water newly planted ornamentals (excluding turfgrass) up to 90 days from date of planting.

In summation, the Task Force members stated that the present restrictions are subject to immediate change, should drought conditions vary.

Michael E. Hannigan

Associate Editor

"The Greener Side"

Footnote: Governor Byrne's Exec. Order No. 104, Attachment B, Page 1

Report on Attendance at PANJ Meeting

On January 30, 1981, I attended a meeting of the Pesticide Association of New Jersey as a representative of the GCSANJ.

The objective of the PANJ in inviting a representative from the GCSANJ was to encourage membership participation and support from the Golf Course Superintendents throughout the state. Other representatives from other commodity associations were also present.

The morning agenda dealt with the enforcement activities, regulations, certification and reorganization of the Office of Pesticide Programs of the Dept. of Environmental Protection. The afternoon program featured Assemblywoman Barbara McConnell who spoke on "A Legislators Outlook on the Future of Agriculture in New Jersey."

Thw PANJ appears to be keeping in touch with pesticide regulations and the activities of the DEP. The Pesticide Association of New Jersey should be a good avenue for us as Golf Course Superintendents to express our view to the DEP and to the legislature. The PANJ also publishes a newsletter which will help us stay informed of the latest regulations and activities of the DEP.

I would recommend that the GCSANJ encourages its members to participate and support the activities of the PANJ. Membership cost is \$10.00 per year and membership applications are available from: Rocky DiGerolamo Jr., Hay Street, R.D. 5, Hammononton, N.J. 08037.

Racquetball Tournament I Results

January 19 Racquetime, Waldwick, N.J.

First Round

Ken Kubik	84 points
Tony Bifano	78 points
Jim Argast	70 points
Dick Van Zandt	68 points
Jack Martin (who)	55 points
John Wesolowski	53 points
Bill Luthin	27 points
Glen Gallion	19 points
Ed Walsh	withdrew
Ed Nickelsen	withdrew
Paul Kiener	withdrew

Semi-Finals

Ken Kubik	21
Tony Bifano	15
Jim Argast	21
Dick Van Zandt	13

Consolation

Tony Bifano	21
Dick Van Zandt	17

Championship

Jim Argast	21
Ken Kubik	16

Our next tournament will be held on Thursday, March 12, from 10:00 a.m. till 12:00 noon at the Racquetime Complex, Waldwick, N.J. Interested individuals should contact Tony Bifano (575-8207) or Ed Walsh (652-1650).



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