THE BULL SHEET, official publication of the MID-WEST ASSOCIATION OF GOLF COURSE SUPER-INTENDENTS.

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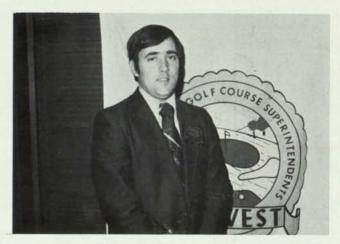
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PRESIDENT' MESSAGE

Our G.C.S.A.A., as it has done for the past fifty years, will be bringing together Turfgrass experts at the Annual Conference and Show, this year Anaheim, CA being the host city. The dates are January 24-30. The tone has been set; two day seminars (pre-conference) on specific turfgrass management topics presented by the best Technical Advisors, a week long schedule of conference sessions pertaining to Golf Course management, and over a million dollars of some of the best golf course equipment will be on display for your review at the show. You as a Golf Course Superintendent owe it to your club/green chairman/members to attend and participate in the annual meeting of turfgrass experts from all over the world.

I find it most gratifying to meet and discuss golf course projects with other Superintendents. Professors from universities across the country are present to discuss current research and the results, possibly assist us on some of our current turf problems, and most important what some of our needs could be for future turfgrass. At the Show President's, Vice-Presidents and Executives from Turfgrass Equipment and Supply Companies are present to discuss positive and negative aspects about their products.

The only way to bring in the new year would be for you, as a member, to be in attendance at the GCSAA Conference and Show. While we are all in Anaheim, everyone should take the time to attend the Special Prayer Breakfast organized by one of our fellow Superintendents, John Ebel. On behalf of the Board of Directors, I wish each and everyone of you a Prosperous and Happy New Year.

Len Berg

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BROTHERLY LOVE

This is a tough one because it happened too soon. I've written about some of my friends who left us after a full life and now I need to write about my brother Rodney, who died suddenly and left a void in all the hearts that knew and loved him. Rod didn't have a mean bone in his whole body. Generosity, quick wit, loyalty, friendship and love were his everyday virtues. Dedication to his job and to his family were his prize possessions and he never swerved from this path. Damn it! How I am going to miss him coming over to my golf course, walking and whistling, looking for his older brother to have a cup of coffee with and asking me over for another Sunday dinner. He wore a leather cowboy hat better than Gary Cooper ever did and he walked like the heros Zane Grey used to describe in his books. I am going to hiss Rodney's call and I wish now, that I called him more often. He went straight home every day except for a few beers at his beloved watering place, Hackneys in Wheeling. If he didn't show up his friends would call him and ask him if he was sick or what is wrong?

Friday night, December 5, Rodney, my sweet wonderful kid brother didn't show up. He went to his bed and died. God! how Peter and Andy my two brothers, Geeg, Johnny the bear and Shultz are going to miss him, as well as all of you who knew Rodney.

Paul Voykin

SOIL ANALYSIS: WHO, WHERE & HOW

The cost of fertilizer materials escalates each year. Application expenses, equipment and wages are also increasing. Accurate measurements of existing nutritional levels must be available to plan sensible fertilizer applications. Experience and up to date records are very helpful in planning fertilizer programs. Periodic soil testing, however, should always be part of the planning of fertilizer programs. Not only will soil tests insure that adequate levels of fertilizer are being added, but they can also prevent costly over applications.

Soil testing does have limitations. One extremely important point to remember is that a green or fairway cannot be tested. The soil that is tested is only a sample and may or may not represent the soil from that green or fairway. This fact makes proper sampling essential. Modern soil testing labs have developed standard test methods which are generally more accurate and sensitive than are needed. In most cases the calibration of a fertilizer spreader to the degree of accuracy obtainable by soil tests is not possible. Soil sampling, therefore, has the greatest potential for error.

Soil sampling is easy and if done properly can well represent the area sampled. The following simple steps should be followed to assure that representative samples are obtained:

1. Sample each green and fairway separately.

Avoid unusual areas. Do not sample wet areas, low spots, near traps, bare areas, etc.

 Use either a cup cutter or a soil tube to assure that uniform soil cores are being taken. These tools also provide an easy way to obtain an equal volume of soil from each core.

 Each soil core should be taken to a depth of 6 inches.

Ten to 15 cores should be obtained at random for each green or fairway.

6. Thoroughly mix the cores and withdraw a one-

half to one pint sample from the mixture.

Submit this sample along with a completed soil test information form to the lab.

The soil testing program in Illinois is a decentralized servide provided by local laboratories. There are approximately 60 of these local laboratories in the state which periodically submit samples to the Department of Agronomy, University of Illinois for check testing. For a current list of the laboratories and their addresses, write to:

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HELP MINIMIZE SALT INJURY TO SHADE TREES

Each winter, thousands of tons of salt are applied to streets and highways in Illinois to combat snow and ice. While this helps provide dry, safe highways, it also causes injury and death of plantings.

According to James A. Fizzell, University of Illinois Horticulturist in Cook County plants are injured when they come in contact with the salt which causes mechanical or chemical damage to the plant cells.

The salt...whether moved by the spray of passing traffic or into the soil...can cause disfigurement, can reduce plant growth and can cause plant death, Fizzell says.

Spray-salt damage is most evident along heavily travelled roads where high-speed traffic deposits sprays of salt on plants, causing the tissue to dehydrate, Fizzell says.

In city areas, where traffic moves more slowly, the greatest threat is a build-up of soil salts and excess sodium and chloride in the tissue of the trees and shrubs along city streets, driveways and sidewalks. Salt plowed and shoveled onto boulevards and lawns may also be absorbed by the roots, causing direct toxicity to the plants.

The damage means increased maintenance costs for pruning, fertilizing and extra care for damaged plants. While salt-tolerant species are available, it is hard to match them to soils best suited for them. Fizzell says, there also is the increased risk of a single disease or insect destroying a lot of trees when a single species is used.

One way to avoid the damage is to avoid deicing salts. Although this may not be totally feasible in rugged weather, Fizzell suggests the salts also can be diluted

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8400 West 111th. Street Palos Hills, Illinois 60465 by mixing them with an abrasive such as sand, cinders or ash. Limit their application to high-risk areas such as intersections, hills, steps and walkways. Or use calcium chloride deicing salts instead of sodium chloride.

Protect susceptible plants by constructing physical barriers of plastic, burlap, plywood or window screen over or in front of them. If there is room, plant trees away from the spray drift zone or areas where salt laden snow will be deposited.

Provide a place to store plowed snow away from lawns or shrubs. Try to plow before spreading salt, so that salt is not piled up with the snow.

Finally, Fizzell reminds us that the dissolved salt must eventually go somewhere. If it doesn't soak into the soil, it will get into storm sewers or streams, rivers and ponds where its effect will be felt by both plants and animals relying on these sources of water.

James A. Fizzell, Senior Ext. Adviser Horticulture, University of Illinois

HONEY AND YOUR HEALTH

Honey is sweet because of its content of sugar. Besides sugar it contains many of the minerals such as iron, copper, sodium, potassium, manganese, calcium, magnesium and phosphorous.

The color varies frequently because of the different flowers, clover, buckwheat and trees from which the nectar is gathered.

Honey is a natural, unrefined food.

Keep honey in a dry room at room temperature---never in a refrigerator.

To liquify honey that has granulated, place in a container of warm water. Never let honey container rest on the bottom of the water container.

Use light-flavored honey in the freezing of fruits.

Honey is an excellent source of quick energy for all ages.

Honey contains more carbohydrates than the same measure of sugar.

A cup of honey weighs 12 ounces, of which 1/5 is moisture. This is approximately 9½ ounces of carbohydrates as compared with 7 ounces in a cup of sugar.

A general rule is to reduce the amount of liquid one-fourth cup for each cup of honey used in place of

To measure honey, first measure the shortening, then measure honey in the same measuring cup.

There are a number of varieties of honey on the market today: liquid, comb, chunk and cut comb; also, solid (granulated of fine crystallized).

Freezing does not injure the color or flavor of honey, but it may hasten granulation.

Cakes and cookies made with honey are noted for their keeping qualities.

Ralph J. Wilson 3155 Ierman Rd. Deerfield, IL 60015

LAST WORD BEFORE ADJOURNMENT

A man went into a coma after receiving a bump on the head and did not awaken for twenty years. After getting his bearings, he called his broker. His hundred shares of AT&T were now worth \$8 million, his shares of General Motors were worth \$6 million, his holdings of Xerox had advanced to \$15 million, and so on. The man figured he must be at least a billionaire. Just then the telephone operator came on the line and stated, "Your three minutes are up sir. Will you please deposit 75 thousand dollars?"



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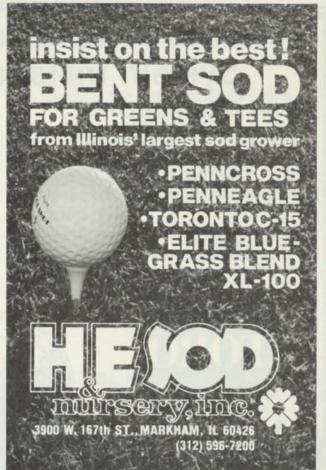


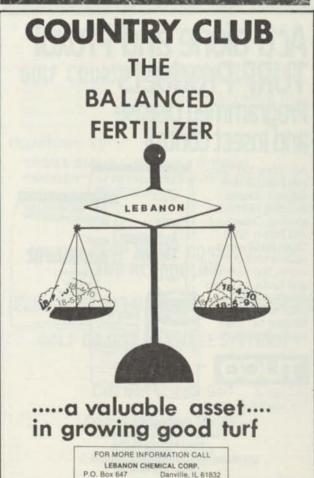
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Don Maske, Agri-Chemical Sales Specialist Phone: 815/838-8164 The sympathy of the M.A.G.C.S. is extended to the CLIFF BERRY family due to the death of Mr. Berry. Cliff was a very good friend of the Golf Course Superintendents who were acquainted with him. He was a member of Olympia Fields Country Club, and the chairman of the Green's Committee for many years. The Voykin brothers lost one of their very best friends.

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DAVID FAY AND MICHAEL BUTZ ASSUME NEW USGA DUTIES; TIMOTHY ANSETT JOINS USGA GREEN SECTION

Far Hills, NJ - (November 25, 1980; - 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 today 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.

All three have their offices located at Golf House in Far Hills, New Jersey.

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.

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It's a good thing a psychiatrist was not at this golf course located on the west side of Chicago on this recent Thanksgiving Day.





One of the group who could not take it.

WHY INSIST THAT ENGINEERS SEAL PLANS?

The Illinois Professional Engineering Act, passed in 1945, requires all registered engineers to obtain a seal showing their name and registration number. They must stamp with their seal all plans, drawings and specifications prepared by them, or prepared under their supervision.

The following are some of the reasons for the above requirement.

AN ENGINEER SEAL ON PLANS...

1. ... is a symbol of competency, for to use such a seal a man must be qualified through examination and registration.

2. ...pinpoints responsibility and tells the client who actually was responsible for the design.

3. ... gives stability, quality and authority to plans and

4. ... seeks to protect public health, safety and welfare. 5. ...provides legal record, long after the project is completed one can look back at original plans and determine the person responsible.

6. ... makes it difficult for unregistered persons to falsely claim engineering capability.

7. ...establishes a criteria, for persons without seals have probably not passed their registration examina-

8. ...lends dignity to the engineering profession.

Charles E. [Scotty] Stewart P.E.

Plans for the GCSAA Prayer Breakfast in Anaheim are moving along very well. The time and place is Monday, January 26th, 1981, 7:30 a.m. in the Anaheim Convention Center. Room number to be announced later.

There will be coffee and rolls and everybody is invited to come a little early and visit before the meeting. Remember all family members and friends are welcome.

We have received acknowledgements from the USGA Green Section and PGA Tour that they will have some of their members in attendance. Although there is no confirmation to date (11/20/80) we are hoping that some prominent Christian athletes will be sharing with

Our main speaker, Richard Minasian of Ventura, CA is an active amateur golfer of some renown, having won some state titles. He has a fine background in civil engineering and teaching. Also some training in soil sciences. He is a retired U.S. Navy Captain and now spends much of his time either playing golf or doing Christian work; such as our conference thru The Full Gospel Business Mens Fellowship International.

We hope to see many of our Midwest members and friends at the Breakfast.

> John Ebel, Supt. **Barrington Hills Country Club**

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In March of 1981 Oak Brook Landscaping Co. will hold a sale at Oak Brook. Golf courses that have equipment for sale may bring it to Oak Brook on this day. Date will be furnished at a later date.