THE BULL SHEET, official publication of THE MIDWEST ASSOCIATION OF GOLF COURSE SUPERINTENDENTS.

DICK TREVARTHAN, Editor 122 Evergreen Drive Frankfort, Illinois 60423

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L. to R. John West, John Jackman, Oliver Miles, Julius Albaugh and Ted Sokolis. Committee members not shown are Ken Quandt, Mike Bavier and Dick Treverthan.

Above are members of the MAGCS Education committee. These men are ready to listen to all ideas that you may have concerning education of our members.

Ray Gerber, Superintendent at Glen Oak Country Club, has never missed a MAGCS Meeting since coming to Chicago 31 years ago.



# The President's Message

Now that most of us have returned from our safari to the deep south, we are ready for work or giving thoughts to attending the last few events remaining before we do. The one remaining event I would like to call your attention to is the World Flower Show, March 21-30. Although the title doesn't seem to have any bearing on turf, those of us who have attended this spectacular grandeur before know how much turf is represented. I am speaking of course, of the University of Illinois and Illinois Turfgrass Foundation, Turfgrass Information Booth. I spoke to Dr. Jack Butler at the National in Miami and he expressed his hopes that the Midwest members would again assist his staff as they have in years past. "Pistol Pete" Vandercook will again handle the scheduling of the volunteers. So, if he asks for a few hours of our time, let's cooperate. He's a great guy and it will help us too.

Unfortunately I didn't get a message to the editor in time last month, but I was happy to see his reminder and program of the Midwest Regional Turf Conference at Purdue in the February issue.

It was so good to see so many of our Midwest members at the National Conference. It was with deep personal satisfaction to see one of our non-resident members elevated in the ranks and another elected to the National Board. Both were active members in our association when in this area, and I'm sure there isn't any question as to their ability and qualification. I know both will be passionate in their beliefs and feelings, but also respectful and considerate of their fellow members' viewpoints. Again, I was very pleased with the results and also in the fine and orderly manner the election chairman handled the election.

After many years of attending National Conferences, this was the first Conference I was actively involved with duties representing the Midwest. I believe every member should at some time invite and accept this obligation, and fully realize and understand the efforts and hard work these National officers and directors are subjected to. I am sure we would all be just a little more tolerant and less apt to criticize.

I have always come away from these conferences I felt, a better person. Whether I valued the educational meetings to the fullest or not, I felt the personal contact with your fellow superintendent from border to border and coast to coast was priceless. I have sat in rooms of informal meetings between superintendents, and discussed better methods of growing grass and maintenance than came out of the educational sessions. And this is good.

On my way back I made several stops and visited with friends and golfing associates. I saw many fine golf courses and was impressed with the fine grooming on some of them. Once I left sunny Florida I was anxious to get home. My haste was so great that I didn't inspect the roadside turf in Alabama as well as they thought I should have, and for a few anxious moments it looked as though I might be cutting the court house lawns in 1969.

All in all it was a wonderful, hectic, and informative 2 weeks and I'm ready for the challenge of 1969. I hope each and everyone of you also are relaxed and ready to battle the elements for the coming year. I know it has been a season of many conferences, clinics, symposiums, shows, etc., but if possible, commit yourself to a few hours at the Flower Show if you are asked to. It will definitely be back to work after that.

Ed Wollenberg, President

# THE THIRD ANNUAL GOLF TURF SYMPOSIUM

As Reviewed by John West Superintendent — Bonnie Brook C. C.

The third annual Golf Turf Symposium, sponsored by the Wisconsin Golf Course Superintendents and the Milwaukee Sewage Commission, was held to discuss the problem of **Poa annua**.

Dr. Engel of Rutgers University described **Poa annua** as a blue grass with large white ligules and roots growing from nodes rather than rhyzomes.

Where can Poa annua be found? Dr. Engel feels that it grows in any cool, moist climate where the vegetation is closely cropped and high levels of nitrogen and phosphate are present.

Increased infestations of **Poa annua** are caused by excessive watering or drought, compaction, increased phenoxy herbicide use, high nitrogen and phosphate, close mowing, and renovation at the wrong time.

Control of **Poa annua** can be achieved through management by having a dense turf cover, judicious use of fertilizer, avoiding disease, spreading traffic, and watering only when necessary. Chemical control at Rutgers has been achieved by the use of Sodium arsenate at 3/4 to 1 pound per acre endothall in two or three applications of 1/2 pound per acre, and calcium arsenate at five to fifteen pounds per thousand applied in the spray prior to seed germination. He warned that all chemical controls should be used with caution to prevent loss of desirable turf.

Dr. Sortoretto of the Cleary Corporation had the problem of telling us how to live with Poa annua.

His four steps to care were to hold the spread of **Poa annua** to under 100 percent; to have a good feeding program which included magnisium, iron, and potas applied weekly to greens and monthly to fairways; a preventive disease program; and a wilt control agent to close stomatol opening and reduce transpiration.

Mr. Anderson, Superintendent of Brae Buhn Country Club, explained his use of lead arsenate since 1936 and his **Poa annua** control with 600 pounds per acre applied over a five year period.

Mr. Riley, Superintendent Manufacturers Club, explained his use of grandular calcium arsenate at the rate of ten pounds per thousand the first year and  $2\frac{1}{2}$  to 3 pounds per thousand each succeeding year with good **Poa annua** control.

Mr. Small, Mallinkrodt Chemical Works, explained the use of Pre-San on turf to control **Poa annua** in new sod and in older turf with spring and fall applications of material.

Mr. Moore, Superintendent Woodway Country Club, told of his use of sodium arsenate to kill all fairway turf and then the reseeding program for desirable sod. He showed slides of cultured practices used by superintendents to maintain good turf.

Mr. Kerr, Chipman Chemical Company, put a note of caution in the use of arsenates. He suggested only good quality grandular calcium arsenate be used. Low rates of about four pounds of grandular per thousand be applied spring and fall until toxicity is reached to prevent damage.

Mr. Small explained the Pre-San to be effective must be watered in and used after aerification or thatching. Pre San's inhibiting effect can be overcome by the use of 5 to 7 pounds of activated charcoal per thousand or ½ inch of peat in contact with the material.

Mr. Frank, Elcano Products, showed where Bolan at 2 pounds active per acre reduced **Poa annua** when applied in late August with only slight descoloration to turf. Late August applications were more effective than when the material was applied later.

Dr. Daniel, Purdue University, showed where Poa annua fails the better grasses have to take over, so before starting any program of control you should have a good public relations campaign for the membership, get enough money in your budget to do the job, start a turf improvement program, and then select the chemical to be used for Poa annua control.

Dr. Engel stated that there is no sure control of **Poa annua** and pre-emergence chemicals sometimes show poor results, because of the perennial nature of some plants. He showed some slides of the Hyperoids which destroys **Poa annua** selectively and some work being done on its control.

Mr. Holmes, Mid-continent Director USGA Green Section, summarized the meeting and closed the meeting in good order.

# HOW YOU CAN IMPROVE PUBLIC RELATIONS AT YOUR CLUB

Come to the MAGCS Meeting March 13, at Cherry Hills Country Club. Mr. Charles Vance of the Buchen Public Relations Firm, which has done work for the GCSAA, will be our featured speaker.

# ADVISORY REPORT TO THE 40th NATIONAL CONFERENCE

The first and only session to the Advisory Committee got underway at 1:20 P.M. and ended at 4:20 on January 20. There were approximately 40 people in attendance. John Spodnik, was the Advisory Committee Chairman and did an excellent job in conducting the meeting.

There were many items on the agenda, submitted by 7 chapters. A complete report will be forthcoming in a newsletter at a later date. But we will touch lightly on some of the things discussed and suggested.

 That all future National membership applications will be made out in triplicate, with one going to the local chapter of the applicant, to verify if qualified.

A more detailed financial report is available, but not printed because of the cost involved.

The pay and benefits to speakers on the National Conference is no secret, and this information is available to anyone desiring it.

4. The reason for the raise in dues was explained to us by John Spodnik, (and repeated at the annual election) and after much discussion it was approved unanimously by the advisory delegates.

 That in future mailings, bulk rates would be used more extensively and better P.R. control hoped for.

6. In the suggestion that everybody play golf in the tournament and the four best scores be the team score. It was decided that a chapter entering 12 players, would have a decided advantage over a chapter only having 4 players.

7. In the suggestion that the National establish a consulting service for non-profit organizations regarding turf problems only. It was the feeling that some help was available from the county agents, but the National would alert a superintendent in that area and give a press release, so that this superintendent or superintendents would receive recognition.

That a better code of ethics be outlined in regards to a superintendent consulting with a club without the knowledge of the "home" superintendent.

 It was suggested that the executive committee look into the cost of an index catalog on articles appearing in the Golf Superintendent magazine, to cover the past 5 years and then kept yearly.

10. The suggestion of the GCSAA negotiating with the touring pros for a percentage of their purse, was withdrawn after some mild discussion. It sounded like a good idea, but I'm sure would not have been considered by the pros.

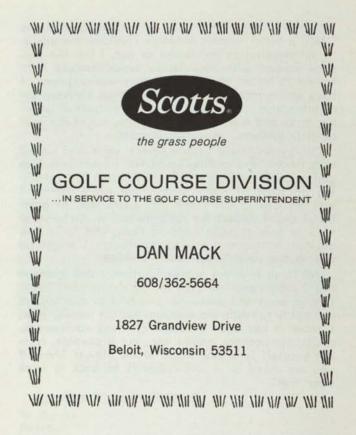
 That pictures and names be withheld from The Golf Superintendent — such as a National Director being pictured in an equipment advertisement in the conference issue.

 That P.R. be handled by the National office in the future, when present contract with Buchen expires.

 The GCSAA property in Jacksonville Beach, Florida, is for sale, but as yet has not been sold. Respectfully submitted,

Ed Wollenberg, Delegate Harold Frederickson, Alt. Delegate

NOTE: A motion was made and carried at the Voting Delegate Committee meeting, that future Advisory Committee meetings would be combined with the Voting Delegate Committee meetings.







#### HOLMES' CORNER

by James L. Holmes USGA Green Section Mid-Continent Director

It doesn't seem possible but it was exectly two years ago that Tom Burrows, then editor of the Bull Sheet, asked me to submit a short, newsy column for monthly use. The first Holmes' Corner appeared in the April 1967 issue. Since that time I have had the pleasure of working with Doug Jabaay and Dick Trevarthan as well as Tom. All these men have been most cooperative and I have thoroughly enjoyed working with them. This Holmes' Corner will be my "swan song" as I have resigned from the USGA Green Section as of March 1st and plan to join Dr. Marvin H. Ferguson, Agri-Systems of Texas, Inc., P. O. Box 3757, Bryan, Texas: my home address will continue to be 1718 Eagle Street, Kankakee, Illinois. We of Agri-Systems, will be active in all phases of turf. This will include golf course consultation, design, construction, reconstruction, installation of irrigation systems, development of sod and nursery grasses, and a complete soils laboratory equipped to deal with other problems of agriculture as well as golf turf. I certainly hope that my work in the future will allow me to continue to be in contact with the many close acquaintances and good friends I have in the golf management industry.

Lee Record, USGA Mid-Continent Agronomist, who has been active in this office since September, will continue to operate the Green Section in the Mid-Continent region. Dick Trevarthan has asked if Lee would continue to submit a Bull Sheet article from the Green Section. Lee readily agreed and suggested that perhaps the new column be called Record's Record or Record's Report. Lee has been doing Green Section Visitation work in the New England office for the past eight years and is an intimately qualified golf turf extension agronomist. The United States Golf Association is fortunate to have Lee in this area.

I was unable to attend the International Turf Conference and Show in Miami last month because the USGA Annual Meeting was held at the same time in New York. We had a surprisingly large turn out for our one day Green Section Conference, "Economy on Golf Course Operation", Friday, January 24, especial-

ly when considering the conflict. Especially well received were the talks given by Tom Sams, Golf Course Superintendent, Audobon Country Club, Louisville, Kentucky, and President of the Midwest Turf Foundation; and, Dr. Fred Adams, Green Chairman and USGA Green Section Committeeman, Orchard Lake Country Club, Orchard Lake, Michigan. Dr. Adams discussed "Committees and Their Role in Golf Economy" and Mr. Sams talked on "Equipment That Saves On Labor". Both of these talks as well as all others given, will appear in the March publication of the Green Section Record.

Calls continue to come into the office regarding ice sheet cover on putting surfaces. It seems that areas west and north of Chicago have had a complete ice sheet cover for the past 6 to 7 weeks. We still know of no better or proven practice than removing existing snow then topdressing the ice with a natural organic fertilizer or a topsoil mix. If anyone has found a superior method of removing solid ice, please let us know. Water soluble or inorganic fertilizer should never be applied over ice. Severe burning to turf can result.

I would like to thank Mr. Jim Holmes for his monthly column in the Bull Sheet, and wish him continued success at his new endeavor.

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PROMPT SERVICE

CHARLESTON, ILL. — James F. Nicholson, a Faculty Assistant in Eastern Illinois University's Life Science Division, has been awarded a graduate scholarship by the Golf Course Superintendents Association of America.

Nicholson, a fall quarter bachelor of science in education graduate, is a native of Frankfort, Ill., with an undergraduate major in botany and a minor in zoology.

The GCSAA Scholarship Program has assisted more than 160 students on the undergraduate, graduate and research levels in achieving their ambitions in turf science, according to Ben J. Chlevin, executive director of the association.

Chlevin said the program, in addition to financial aid, includes assistance in procuring summer and later full-time employment in golf turf management career fields.

The GCSAA began its scholarship and research fund program in 1958 to promote greater student interest and advance research in golf course management, according to Chlevin.

Jim has worked at the Prestwick Country Club for four seasons.

#### ILLINOIS TURFGRASS FOUNDATION

With the coming of spring and thoughts of beautiful landscape, buds and blossoms, the fulfillment of a preview for just such scenery is being completed.

Once again the ILLINOIS TURFGRASS FOUNDATION happily announces the WORLD FLOWER SHOW will be held at the Amphitheatre from March 22nd thru March 30th. Many superintendents along with other groups will help make this show the best and most successful so far.

The ILLINOIS TURFGRASS FOUNDATION booth will have professional counselors to advise folks in solving any difficult problems they might have.

In conjunction with the flower show the Illinois Turfgrass Foundation will hold their Board of Directors meeting at a luncheon in the Sirloin Room on Wednesday, March 26th at 12 noon.

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When the town fathers arrived at the surface the champagne popped in their stomachs and all but frothed from their ears. One dignitary had to be rushed back to the depths of the tunnel to undergo champague decompression.

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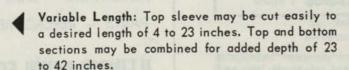
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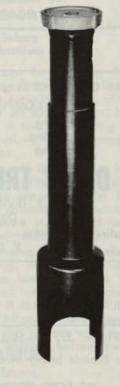
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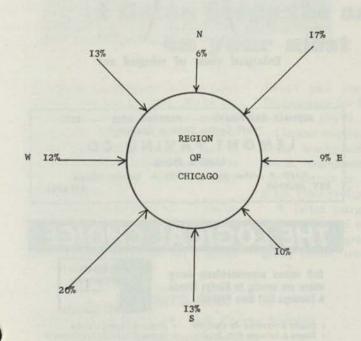
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# WIND DIRECTIONS Percent of Time



The above represents the average wind directions compiled over a 14 year period by the U.S. Weather Bureau.

C. E. (Scotty) Stewart

#### DON'T SCALP BLUEGRASS, FESCUE

Dr. Robert W. Schery Director, Lawn Institute

Misguided mowing in spring can be hard on that beautiful Kentucky bluegrass-fine fescue lawn. These erect-growing favorites perk up early in spring, often grow several inches (especially on south slopes) before anyone thinks of mowing. A sudden scalping, — close mowing nearly to soil level, — can be harmful even to the hardiest lawngrasses.

Scalping is especially deleterious if the lawn has been heavily fertilized. Abundant nitrogen stimulates green leaf, and food resources are mostly "in the leaf" rather than stored below ground as in winter. When green leaf is totally removed, both stored food and food-making capacity are eliminated.

It is all right to clip off winter-singed foliage before new growth quickens in spring. This removes discolored old leaves and causes lawn to green up several days earlier. Don't wait until new growth is several inches high, then cut it down unmercifully. That is, unless your lawn is full of coarse field grasses which you want to get rid of and replace with their betters. Scalping the coarse grasses before overseeding with a fine-textured lawn blend should upgrade composition of poorish lawns.

#### ANTS AND THEIR CONTROL

by Stanley Rachesky Entomologist, University of Illinois

Ants live in colonies or nests, usually located in the soil alongside a foundation, or in a turf. Occasionally, however, their nest may be under the concrete slab

or in a crawl space of a building.

The ant colony is composed of a queen, whose function is to lay eggs; worker ants that attend the queen, the eggs, the legless larvae, and the pupae, and the worker ants that forage for food, which they carry back to the colony to feed the queen, her attendants, and the young. When foraging for food, they enter buildings and are a nuisance.

Some species of ants feed on greases, others on sugars. Ants will also feed on seeds, insects, and other materials. Some species are called aphid attendants because they transport aphids or plant lice from plant to plant and utilize the sugar secretions from aphids as their food. Sometimes ants become so numerous in turf and flower gardens that they become a nuisance outdoors as well as indoors.

The most satisfactory and safest method of controlling ants is to use 2 per cent chlordane as a water-diluted spray. Apply this spray to the outside foundation of the building from the soil to the sill area with a 3 gallon-tank-type sprayer. Also spray a 2- to 4-inch strip of soil alongside the foundation. Crawl-space areas may need treatment if the ants are entering from this area. A repeat application may be required. Ordinarily, 3 or 6 gallons of diluted spray is sufficient for the average building.

One pint of 45 per cent chlordane diluted with 2½ gallons of water makes a 2 per cent chlordane spray. Applications must be thorough. Spray all the way around the building, behind concrete steps, and into any cracks or crevices of concrete slabs that abut the foundation.

In addition to ants, foundation sprays will also help to reduce or eliminate infestations of many outdoor pests that migrate into buildings. Oriental roaches, wood roaches, crickets, centipedes, millipedes, and

spiders will be noticeably scarce.

Carpenter ants are one of the largest types of ants found in Illinois. They are black and vary from  $\frac{1}{4}$  to  $\frac{1}{2}$  inch in length. Some forms are winged and others are wingless.

These insects do not eat wood, but tunnel in it to make their nests. They attack the wood in building logs, telephone poles, and even tree cavities. They are much less damaging than termites, however, and probably should be classified mainly as a nuisance.

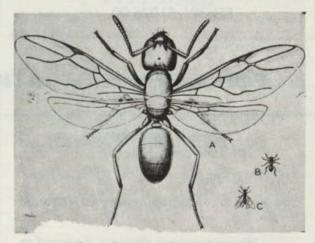
Carpenter ants forage in buildings, feeding on dead insects, fruit, garbage, and almost any carbohydrate or protein type of food. During warm months they forage outside as well. The galleries of carpenter ants are clean and are cut across the grain of the wood. In contrast, termites produce grayish stained galleries running with the grain. Carpenter ants throw out course sawdust when building these galleries. They do not produce a fine powder as the powder-post beetle do.

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Carpenter ants are somewhat hard to control because the nests require direct treatment. Once you locate the nest entrances, apply 5 per cent chlordane or 10 per cent DDT dusts in the galleries. Oil sprays of 2 percent chlordane or 5 percent DDT will also give good results when applied to ant runways or to decaying wood. During the warmer months, treat the sill areas, the outside area of the foundation, and a foot or more of soil adjacent to the foundation. For outside spraying, use the emulsion forms of these insecticides.



Enlarged view of winged termite



Enlarged view of winged ant

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