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### *The President's Message*

Recently I had occasion to talk at length with a young superintendent and he kept bringing up the questions of how he and other young superintendents could "relate" to our Midwest Association. After many words and much time, I think we finally agreed that the Midwest does offer many things to its membership. It gives each member a chance to meet with fellow superintendents and people in the industry, and exchange ideas, discuss problems of turf, labor and equipment, and be a sounding board for new ideas and methods. Last, but not least, it gives us an opportunity to enjoy the fellowship of other superintendents and friends. In the young man's mind, however, the question of "relating" still had not been answered.

According to my dictionary, the word "relate" means "to bring into or establish association, connection, or relation". In my mind, I see this working both ways. Earlier, I pointed out some things the Midwest could and does offer its members, but I think the real question is, what can the member, young or old, offer the association? Do you, as a member, participate in association affairs? Do you attend the majority of the meetings? Do you contribute to education through panel discussions, being a speaker at our fall turf clinic, or just contribute from the floor at a monthly meeting? How about the Bull Sheet? Have you ever contributed an article or passed on a newsworthy item to its editor? Have you attended a Fall dinner dance?

If you have answered no to many of the above questions, then I say to you that **you** are not "relating". If you have not done some of these things mentioned, get on the ball and try to do some of them. In other words "RELATE"!

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We, the Midwest Association of Golf Course Superintendents, extend our sympathy to Mr. Chester Ranby's family. Mr. Ranby passed away on January 26, 1973. Known to his many friends as Chet, he was a golf course superintendent at several clubs in the Chicago District. Chet was a member of our association for many years.



## Editorial

by Roger LaRoche  
Of Lichens and Yeast

or

### How Ones' Aching Feet Gave Rise To Inspiration

It seems strange that one could come by an idea for a superintendent's newsletter because of aching feet, but that's how it happened. Further explanation is probably necessary. The feet have become worse this past year, so the doctor recommended arch supports as a possible cure and suggested that a minor arthritic condition might be present. Tried arch supports, and they didn't help. I happened to leaf through the "Tribune" one day (I'll try to hurry) and noticed a review of the book "Nutrition Against Diseases", so I read the review, bought the book, read the book, and thought it excellent.

At one point the book discussed the plight of the lichens, the algae and fungi living in a symbiotic situation with the most meager of nutrient levels. Somehow they manage to sustain life, a minimal life indeed, but life. What would happen with maximum nutrient levels? Would they take over the earth? Take, for instance, a small cake of yeast, a single cell organism capable of producing 100 new cells per each original cell in a 24 hour period. If you took that cake of yeast and provided proper amounts of water, air and nutrients, in one week you would have the tidy sum of 3 billion tons of yeast (yech!)

Might not our bodies function better with proper nutrition levels? Seems reasonable! If one agrees with scientific data presented in "Nutrition Against Disease," the conclusion is simple. Not only will the body function better, but it will withstand threats of disease (with birth defects, heart trouble, arthritis, obesity, alcoholism, and cancer) far better.

I am not trying to equate the human body and plant life. There is an analogy to be drawn however in the reaction of both to proper nutrition. Why don't we feed both the proper amounts of the proper nutrients to give them the optimum level of nutrition? Why? Because, that's why! Because we don't have the proper methods of testing — especially for humans. Because it is difficult to experiment with humans. Because we haven't put plant tissue test and soil test research at a high priority. Because we have tended

to develop new chemicals for prevention and cures rather than strengthening the body and plant cells.

That's why! We know more about pet nutrition than human nutrition — at least we feed our pets much better than ourselves.

Dr. Beard, in his new book "Turfgrass Science and Culture", points out the inaccurate nature of tissue and soil tests and urges more research. We do need research, a lot of it. However, the methods we now have at our disposal should not be neglected. Considerable effort and monies are expended in developing new medicines and pesticides and while they are a valuable tool, they treat symptoms and do not necessarily strengthen the organism. Why take aspirin when it may be possible to prevent the headache or toothache or whatever. We may not have a wide variety of pesticides long (some are already gone) so allocating resources toward nutrition research is credible, even mandatory. Put the current knowledge of nutrition to use. Work on it! The stronger the plant, the better, obviously, but also, the stronger the body, the better, just as obviously. Abuse neither.

Remember, the lowly lichens — barely survive on minimum nutrition but think of what they could do with the optimum.

Looking through some old records the editor found the following report pertaining to the ladies entertainment program in Chicago in February, 1959. How does this measure up to the present ladies programs? The total cost was underwritten by the Midwest Association of Golf Course Superintendents.

The following is a report on the expenses involved for the Ladies entertainment program of the National Turfgrass Conference 1959.

252 Ladies Registered —		
Jos Mutter's Fee	@ \$1.50	\$378.00
200 Shubert Theatre Tickets —		
Reservations	@ 4.40	880.00
50 Shubert Theatre Tickets —		
Box Office	@ 4.40	26.40
6 Shubert Theatre Tickets —		
Box Offiec	@ 4.40	26.40
150 Palace Theatre Tickets —		
Reservations	@ 1.80	270.00
27 Palace Theatre Tickets —		
Box Office	@ 1.80	48.60
171 Prudential Building		
Tickets	@ .30	51.30
250 Marshall Fields		
Lunch and Show	@ 2.95	737.50*
188 Grayline Bus Tour		
Tickets	@ 2.00	376.00*
225 Art Institute Brunch	@ 3.00	675.00*
Lillian Brodhall Smith		
Lecture Fee		50.00
Evalyn Rohde Lecture Fee		60.00
Hostess Badges		3.87
Miscellaneous Tips		1.25
Ladies Hospitality Room		
Coffee - 15 Gal.	@ 6.00	90.00*
Ladies Hospitality Signs		10.00*
260 Ladies Orchids		
for Banquet	@ 1.25	325.00*
Ladies Program Printing		
& Tickets		200.50
Flowers for Hospitality Room		10.30
	Total	\$4413.72



**Bob Block, host superintendent, says, bring your bowling shoes and stay out of the gutter.**

### NEXT MEETING

Meeting date is March 14th, bowling from 12:30 pm - 4:30 pm, cocktail hour 4:30 pm - 6:30 pm, dinner at 6:30 pm with meeting to follow. Sportsmans offers us a unique opportunity to brush up on our bowling or to take out some of our frustrations on the pins. Plan your groups early or meet and make up a game with friends at the club. Be sure to enjoy this fun afternoon with your friends and fellow superintendents. Support your organization and plan to attend, mail in your cards, they sure help in planning a good meeting.

See you at Sportsmans. Ed. Smith.

Sportsmans is on Dundee Rd. in Northbrook, Illinois. The club entrance is between Rt. 43 and Saunders Rd. Tollway users northbound exit at Willow Rd., east on Willow to Saunders, left (north) on Saunders to Dundee — east on Dundee to club entrance. West siders who might prefer Rt. 53 northbound exit on 68 and proceed east through Wheeling and on to club entrance.

The educational speaker at the March meeting will be Dr. Bill Meyer, from the Warrens Turf Nursery. His subject, "Research Work on New Varieties of Turf Grass."

Results of the G.C.S.A.A. Annual Golf Tournament played in South Carolina in January:

- Ladies champion — Mrs. Lilliam Michels
- Low senior — Mr. Boem, 157
- Second low senior — Bernard Kronn, 161

Chapter team event:

- First — Connecticut
- Second — South Carolina
- Third — Mid-Atlantic
- Fourth — Midwest
  - Tim Miles, 159
  - Harold Michels, 160
  - Ben Kronn, 169
  - Kenneth Goodman, 175

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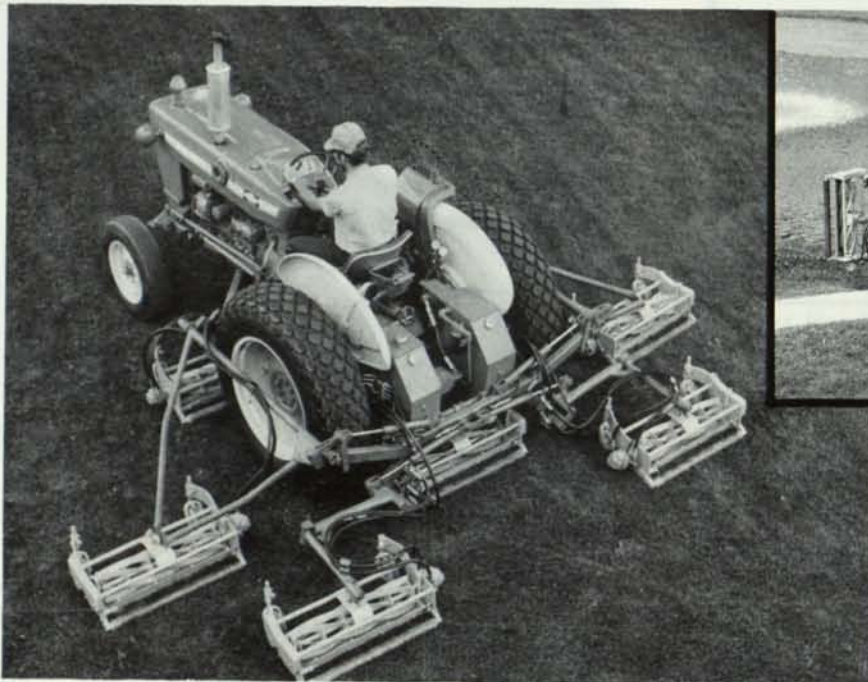
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Fred Opperman

Bob Block

Fred Opperman, Superintendent at Glen Oak Country Club, presents G.C.S.A.A. Certificate of Certification to Robert E. Block, Superintendent at Sportsman Country Club, at the February meeting of the Midwest Golf Course Superintendents Association.

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**Mr. Bud Plant**

**Mr. Plant was the guest speaker at the Midwest Association February meeting. His talk was on OSHA. Really an educational meeting. An attendance of 122 proves the superintendents are interested in safety.**

If we all followed what is written below we would all be better Superintendents, Greenkeepers, Editors and just people.

#### ON THIS DAY

Mend a quarrel, search out a forgotten friend, dismiss suspicion, and replace it with trust; write a love letter, share some treasure, give a soft answer, encourage youth, manifest your loyalty in word and deed.

Keep a promise, find the time, forage a garden, forgive an enemy, listen, apologize if you were wrong, try to understand, flout envy, examine your demands on others, think first of someone else, appreciate, be kind, be gentle, laugh a little more.

Deserve confidence, take up arms against malice, decry complacency, express your gratitude, worship your God, gladden the heart of a child, take pleasure in the beauty and the wonder of earth, speak your love, speak it again, speak it still again, speak it still again.

Now try to heed these beautiful words of advice.

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## Pollution Solution Plots

by Stanley Rachesky  
Entomologist — University of Illinois

If all pesticides were banned today, sky-high food prices would be as certain as death and taxes. How would you like to pay \$14 for a pound of broccoli, 68 cents for a pound of tomatoes, or 60 cents for a head of cabbage?

These prices were not just thought up off the top of my head. They are based on the cost of production information supplied from the Illinois "Pollution Solution Plots". These 3-acre test plots are found in Rockome Gardens, a tourist attraction near Arcola, Illinois.

Nine different crops were grown and compared under three management systems; (1) No weed or insect control; (2) mechanical cultivation for weeds with no chemical application; and (3) modern production using registered insecticides, herbicides, and fungicides. Twelve rows of each of the following crops were grown on properly fertilized ground: soybeans, cabbage, broccoli, tomatoes, melons, sunflowers, potatoes, sweet corn, and field corn.

Each type of management system was planted side by side so that visitors viewing the plots easily could compare the results. In addition, each test plot was duplicated without the use of fertilizers.

In the test plots when no treatment was administered, complete crop failure appeared. There were so many weeds, it was difficult to find the crop.

The mechanically cultivated plots had their problems also. Heavy rains made normal cultivation difficult. This caused an enormous increase in labor costs, raising the price of the crop to the point where it was impossible to market. Insects also caused extensive problems, leaving the crops in poor condition.

The results were quite evident. Without the use of modern agricultural methods, the United States would exhibit great food shortages, poor quality crops, and high prices.

This project was sponsored by the Arcola Chamber of Commerce, University of Illinois Extension Service, and the Illinois Department of Agriculture. In properly treated plots, yields were good, quality was high, and the production costs were more than reasonable.

The use of pesticides in today's world conserves our natural resources. Without the use of agricultural pesticides millions of extra acres of land would have to be put into agricultural production to produce the food and fiber we use today. This land would have to come from forests and other noncultivated acres. More tractors and other farm equipment would have to be put into use, which would burn much additional fuel, causing increased engine emissions.

The average family in the United States today spends only 19 per cent of its income on food. Compare this with India — 60 per cent; USSR — 58 per cent; Japan — 35 per cent; West Germany — 32 per cent; France — 28 per cent; England — 24 per cent.

Without fertilizers, fungicides, herbicides, and insecticides, you can bet you'd be spending your bottom dollar for food instead of recreation. This would mean no new automobiles, few if any vacations, and fewer college admissions. The far reaching effects of food production without the proper application of pesticides would be infinite.

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By Rev. Paul J. Sanders

The difference between success and failure in life often hangs on a little word known as courage. It is also the basic element in adventure. Without courage there is no adventure, there is only withdrawal into security.

We can venture along familiar paths as long as we see familiar signs by the roadside, but to go beyond that familiar way requires courage.

In the realm of farming we can fit ourselves into a job that has been created for us. It takes courage to establish our own business or to strive for something beyond that which we have; that is why so few try.

In education it is fairly simple to go through the grades and high school, but it takes courage to venture on into college and graduate school.

It is easy to follow the thoughts of our parents and close associate, but it takes courage to challenge their thoughts and break away from established tradition.

It is not hard to follow the pattern life puts down for us, and we pay the price for this security by not questioning or attempting to challenge it.

The progress of the world has been built by people who were unafraid to break out on new paths, and who have had the courage to pay the price.

It was because Christ had the courage to face the cross that we have His message that has saved the world. It also took the courage of His disciples to make Christ's message live in the world.

Courage is based on many things, such as faith, hope, love and drive for adventure. It is the difference between success and failure; it is one of the creative forces in the world

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## Midwest Breezes

Wedding bells for John Coghill, Jr. and Miss Kay Kalec on April 1, 1973. Congratulations and the best of luck during your entire life.

Roger LaRochelle is building a new garage. Larger, or perhaps an additional car could be the reason.

Ed Stewart, superintendent at River Forest Golf Club, and his wife, Jean, have arrived back home after vacationing in sunny Florida.

Kenneth Killian, golf course architect, reports crocuses have made their appearance in his back yard as of January 31st. Could be the sign of an early spring.

Mike Bavier, superintendent at Inverness Golf Club, and family have returned home after an extended vacation, after the G.C.S.A.A. Conference in Boston. Disney World in Florida was one of their stops.

Don Gerber, superintendent of Chicago Golf Club, reports fifteen inches of frost in his greens as of January 30, 1973.

Tom Byrne, superintendent at Addison Golf Club, took a few days off and headed for South Carolina for quail hunting. After one and one half days, he had bagged two hundred and seventy birds. This is what one would call real hunting and marksmanship. The editor's suggestions to a couple of his friends are that they get in touch with Tom, for a few of the fine points in the skill of hunting. These friends have made several trips into the field with the gun on their shoulder. To the best of the editor's knowledge, there has been very few feathers blowing around their yard.

March Schiewe, former Sun-Times sports writer, has taken the position of publicity director for the Fox Valley harness meet at Sportsman's Park. I am sure the editor can speak for March's many friends in wishing him the best of luck, good health, and happiness.

Don Hoffman has accepted the position as golf course superintendent at Oak Hills Golf Club.

Carl Hoppman, superintendent at Aurora Country Club and Mrs. Hoppman have returned from an enjoyable vacation in Florida.

Art Benson, Jr., superintendent at Butterfield Country Club, has also been vacationing in Florida for the past three weeks enjoying the sun and some golf.

Midlothian Country Club is in the planning stage of installing an automatic irrigation.

With all the automatic irrigation systems that have been installed in the Chicago area and all those that are in the planning stages, there will be very few night watering men left for the mosquitoes to get a mid-night snack.

Peter Voykin, superintendent at Idlewild Country Club, and his brother, Rodney, superintendent at Deerfield Golf Club, have been vacationing in Florida, practicing their golf swing for their golfing victims this summer. Also doing a little fishing.

Richard Trevarthan, superintendent at Prestwick Country Club, has added two new rooms to his house, probably anticipating a larger family.

All these sunny Florida vacationers have the Bull Sheet editor's **sympathy** when they arrive back home in the **snow**.

C. E. (Scotty) Stewart has been keeping a sharp eye on the weather and will welcome freezing conditions for he has a 2 acre lake to excavate at the Big Run Golf Club but cannot start until the ground gets hard enough to take the weight of the drag-line, bull-dozers and trucks.



C. E. (Scotty) Stewart is at present investigating the possibilities of an adequate well water supply for the new Paul Douglas 18 hole championship golf course, construction of which is expected to start in early spring. The underground water bearing formations indicate that a suitable vein of water bearing gravel might be encountered; consequently two test wells are at present being constructed, if a suitable gravel formation is located then a 40" diameter hole will be drilled to 160 ft. below ground level, then a 15" steel casing with screen will be installed in the hole and the annular space for the bottom 20 ft. filled with selected gravel, the balance of the hole will then be filled with sand, this is known as a GRAVEL PACK WELL.

C. E. (Scotty) Stewart was recently elected as Chairman of the Board of the HOMEWOOD FEDERAL SAVINGS AND LOAN ASSOCIATION, this financial institution, which has assets in excess of fifty million dollars, specializes in providing capital for home mortgages and since its inception in 1920 has made thousands of such loans, some of them being to golf course superintendents who decided to settle and build a home on the south side of the city.

Scotty urges every superintendent who might settle on the south side, and who wishes to build a home, to contact him and get the latest information on mortgage loans.

For the past several years Scotty has been helping golf course superintendents with water problems. Now he has decided to help them with their money problems.

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## Re: PESTICIDE CLINIC

This past year has seen a large number of restrictions place on the use of pesticides. Many materials are no longer available and use of others has been limited. Also, new materials have been labeled for certain uses.

These topics will be discussed at the Area Pesticide Clinic to be held 9:00 a.m., Thursday March 15, 1973 at the Arlington Towers, Euclid and Rohlwing Roads, Arlington Heights.

The clinic will feature discussion by Drs. Shurtleff, Randell, and others from the University of Illinois, during the morning session.

The Illinois Department of Agriculture Bureau of Plant Industries will administer examinations for licensing during the afternoon session.

This clinic is being sponsored jointly by the University of Illinois Cooperative Extension Service, the Illinois Department of Agriculture Bureau of Plant Industries and the Midwest Park and Recreation Association.

Only advanced registrations are being accepted. Registrations are \$7.00 each and are being handled by Angello Capulli, Superintendent of Parks, Arlington Heights Park District.

Checks should be made out to Angello Capulli and sent to him with the application below at: 660 N. Ridge Road, Arlington Heights, Illinois 60004.

James A. Fizzell  
Associate Extension Adviser  
Horticulture/Cook County