



MARCH, 1966
VOL. 19, NO. 9

The Bull Sheet

Official Bulletin

Midwest Association of Golf Course Superintendents

**FLOWER
SHOW**

**McCormick
Place**

March 20 thru 27

APRIL MEETING

RIVER WOODS COUNTRY CLUB

GOLF — DINNER

BUSINESS MEETING

EDUCATIONAL PROGRAM

DOUG JABAAY, Editor
P. O. Box 305
Naperville, Ill. 60540

OFFICERS

President - Adolph Bertucci
1st Vice-President - Dudley Smith
2nd Vice-President - Walter Fuchs
Secretary & Treasurer - Roy Nelson

DIRECTORS

Edward Braunsky Gerald Dearie, Jr.
E. F. Johnson Douglas Jabaay
Thomas Burrows Edwin Wollenberg

The President's Message

Only one word describes the feelings created by the Turf show and the excellent program that made up this 1966 G.C.S.A. convention and that is "Pride." The total spirit of cooperation between our association, its members, and those of the commercial suppliers is cause for all of us to be proud of our progressive, aggressive and growing industry. Each year it seems impossible to "top" the preceding year, but somehow the conferences and the shows get better and better.

Hats off to Kansas City, our host for a great kickoff to the 1966 season. It was a pleasure to see the great turnout of the Midwest Association's members, and as always, we enjoyed seeing many friends from all over the U.S. The total attendance figure this year topped 2,300.

A hearty congratulations to our new G.C.S.A. Officers. Each one is well qualified and is in his own right, a tribute to our profession!

The Ides of March are close by, and with it we look forward to the first major Regional Turf Conference of the year—Purdue. As always, Bill Daniels has an Excellent program.

As you know, the time of the Annual Flower Show is soon at hand. Our help in the Illinois Turf Foundation booth at this well attended show is again needed. If you have not already volunteered your service please contact our show chairman Joe Dinelli. It is always a privilege and a great pleasure to be a part of a function of this nature, see you there.

Adolph Bertucci
President

**PATRONIZE OUR
ADVERTISERS**

A

WOMAN'S

VIEWPOINT —

of the 37th National Turf Conference and Show
held February 13th through February 18th

by Wilhemina Fuchs (Mrs. Walter H.)

The Muehlebach Hotel in Kansas City, Missouri was the headquarters for the Conference and The Red Carpet Treatment awaited us there.

The ladies program was exceptionally fine. The ladies hospitality center opened on Sunday afternoon February 13th. There we enjoyed a tea of cookies, cake and coffee and renewed acquaintanceship. The souvenir from our hosts each year are always a joy to receive, this year being a gold metal case to carry photographs in.

Monday morning (the 14th) the ladies were invited to attend the opening education session. As we listened we looked around and saw many ladies in attendance.

The ladies hospitality center was open each morning all week from 8:30 A.M. until 9:30 A.M. Several mornings the ladies could guess the number of heart candies in a glass jar. The number being about 900. A prize was given each day to the lady guessing the nearest to the correct amount.

Monday morning at one o'clock we enjoyed a luncheon and fashion show in the Grand Ballroom of the Muehlebach Hotel. We surely needed our appetites along as the uncheon was most suffice. The pretty spring fashions were shown to us by Klines Department Store of Kansas City, with several Golf Superintendents' wives of the Kansas City area as the models.

Monday evening one of the most popular events, the Get Acquainted Party, was staged in the Grand Ballroom. Tuesday morning (the 15th) was left open for late sleeping, browsing, or shopping.

Tuesday afternoon a tour of Kansas City was taken with a stopover at the Harry S. Truman Library. We marveled at the lovely places of interest, beautiful churches, schools, homes and the lovely view from different points in the city. Driving by the home of Harry S. Truman was also included in the tour.

Tuesday evening movies with a Hawaiian background were shown. After the movies bingo was played. Hawaiian punch, cookies, cake and coffee were served throughout the evening.

Wednesday morning (the 16th) was devoted to a discussion of wigs and showing of wigs. Several ladies present were permitted to try on a wig. Mrs. Lloyd White showed us a few of the hats she has collected. She does not refer to her hats as the "blue one" or the "white one" but instead gives them each a name. She then tells a story about each hat. We thought her hats very interesting and her stories very amusing.

The Wednesday matinee of "Sound of Music" with Julie Andrews and cast was also a delight to see and hear.

(Continued on page 3)

CONFERENCE PICTURES



PAUL E. BURDETT

Seed - Fertilizers & Golf Course Supplies



SOLE DISTRIBUTORS
OF
AGRICO COUNTRY CLUB

12-4-8
(50% Organic Nitrogen)

10-6-4
(25% Organic Nitrogen)

16-8-8

Also
Hydraulic Feeders

Rainbird & Nelson Sprinklers and Valves
Myers Pumps - Johns Manville Pipes
E. I. DU PONT & CHIPMAN CHEMICALS

P. O. Box 241, Lombard, Illinois — 629-1123
Jim 629-0223

Take advantage of one of the most
experienced names in golf course

IRRIGATION SINCE 1925

Call —

MILLER SPRINKLING SYSTEMS

DIVISION OF A. J. MILLER, INC.

650 Roosevelt Rd. Ste. 213
Glen Ellyn, Illinois 60137
A/C 312-HO 9-8730

1320 N. Campbell Road
Royal Oak, Michigan 48067
A/C 313-542-8400

MILORGANITE

USED AND PREFERRED BY
GOLF COURSES EVERYWHERE

ASPHALT DRIVEWAYS - PARKING LOTS - ETC.

"Golf Course Work a Specialty"

LEMONT PAVING CO.

(RAY MURPHY TRUCKING)

115th & Archer Ave. (Rt. 4-A) — Lemont, Illinois
RAY MURPHY CL earwater 7-6701

(Continued from page 1)

Thursday (the 17th) a breakfast was served to the ladies. A graphoanalyst, Mrs. Joy Barnett, was engaged and she analyzed several of the ladies handwriting. The afternoon was open to give the ladies plenty of time to prepare for the banquet in the evening. The dinner at the banquet was delicious and beautifully served. We enjoyed the dinner music also. A plaque was presented to the past presidents of the National Association. We felt very proud when several superintendents of the Midwest Association were given a plaque. A most entertaining show followed the dinner and the presentations.

With the closing of the day came also the closing of the conference for the ladies. We have many happy memories of the conference. We are looking forward to next year when the conference will be held in Washington, D. C.

"There is more to see in Washington, D. C."

TREES MUST WATCH THEIR WATER TABLE MANNERS FOR CHOW

If you're going to feed your trees this Spring, there are no short cuts to providing blue plate specials for arboreal friends. It is easy to make the mistake of punching too few holes too shallowly.

The key to taking care of the arboreal appetite is to assure proper distribution of the tree food high in nitrogen content, according to L. F. Irvine, field representative of the Davey Tree Expert Co. This means punching the necessary amount of holes at least 18 inches deep over the entire root area.

Holes should be punched no further than 18 inches apart. It is no mistake to put them even closer. The more holes, the better the distribution of the fertilizer to feeding roots. Feeding roots usually extend as far as the branch spread.

Exhaustive tests have shown movement of soil waters is largely vertical, with very little lateral movements. During rains, movement is down, of course. Otherwise, moisture movement is up.

Since most feeding roots are within 20 inches of the ground surface, holes about 18 inches deep assure the tree available supplies of nourishing elements. Roughly, each hole accommodates about a handful of dry, granular fertilizer material. Holes filled back with peat or other humus will aid in root aeration, another essential for arboreal health.

TORONTO C-15 SOD and STOLONS

(Grown on sterilized soil with seedheads removed)

Merion and Kentucky Bluegrasses

SURE-GRO
Plant Foods

}	12-6-6 Organic Base
	12-6-6 16-8-8
	10-6-4 5-10-5
	10-10-10 10-3-7

H. & E. Sod Nursery, Inc.

4301 W. Flossmoor Rd.
SY camore 8-2210 Tinley Park, Ill.

CONFERENCE PICTURES



GRASS SEED FOR BETTER TURF!



GEORGE A. DAVIS, INC.
5440 Northwest Highway — Chicago 30, Ill.

- MERION and KENTUCKY BLUEGRASS
 - C-15 SOD and STOLONS
 - PENCROSS BENT SOD
- DEARIE and STRUD SOD NURSERY**
or **Thornton's Turf Nursery**
R. R. 2 - Box 72 - ELGIN, ILLINOIS
SHerwood 2-5030

Phone: 312 669-5452 or 312 669-5771

LOUIS SCHACHTNER
Distributor
BLACK DIAMOND HUMUS SOIL
HUNTLEY, ILLINOIS

"DESIGN OF BUCKNER AUTOMATIC
GOLF COURSE SYSTEMS"



Sprinkler Irrigation Supply Co.

650 Roosevelt Rd., Glen Ellyn, Ill.

Glen Ellyn
HO 9-8730

Chicago
346-9355



MORE AND MORE MID-WEST GOLF COURSE SUPERINTENDENTS
ARE SWITCHING TO IMC FERTILIZER PRODUCTS. YOU, TOO,
CAN ENJOY OUTSTANDING RESULTS AT NO INCREASE IN COST.



Our Turf Specialists Are At Your Service!
INTERNATIONAL MINERALS & CHEMICAL CORP.

Skokie, Illinois -- Phone YO 6-3000

THE SEQUESTERED FERTILIZERS



"Can't stop now, I have to get the cup
in before this Fertil-Ade green closes
the hole."

FERTIL-ADE and AQUA-SOL

For 15 years Golf Course Superintendents
have relied on Fertil-Ade or Aqua-Sol for
Better Greens that stay Better.

FERTIL-ADE, LIQUID

- No. 1 10-8-6
- No. 2 10-8-6 with extra chelated iron.
- No. 4 15-0-7½
- No. 5 15-0-7½ with extra chelated iron.

INSTANT AQUA-SOL

25-10-20 This ratio of analysis scored
"Most Likely for best growth of lawns,
trees and flowers."

Distributed by: George A. Davis, Inc. - R. L. Ryerson
SMITH EQUIPMENT and SUPPLY CO.
1615-21 N. Central Ave. • Chicago 39, Illinois



NEW Weather Control Shelters
 Engraving — Styles — Colors
 Tee Data SIGNS and BENCHES
 Club Entrance & Grounds SIGNS

ORDER NOW FOR SPRING and SAVE

PARKWAY PRODUCTS
 ENGRAVED REDWOOD SIGNS

For Information
 and Quotations

Write → → → → →
 Phone → → → → →

BOX 487 McHENRY, ILL. 60050
Area Code 815-385-0825

WASHINGTON and TORONTO (C15) STOLONS
 S O D F O R A N Y S I T U A T I O N
 MERION AND KENTUCKY BLUE GRASS,
 CREEPING BENT, FESCUE OR
 MEYER (Z52) ZOYSIA

WARREN'S TURF NURSERY

8400 W. 111th STREET :: Phone: Gibson 8-7200
PALOS PARK, ILLINOIS

The Oldest and Largest Tree Service in the World

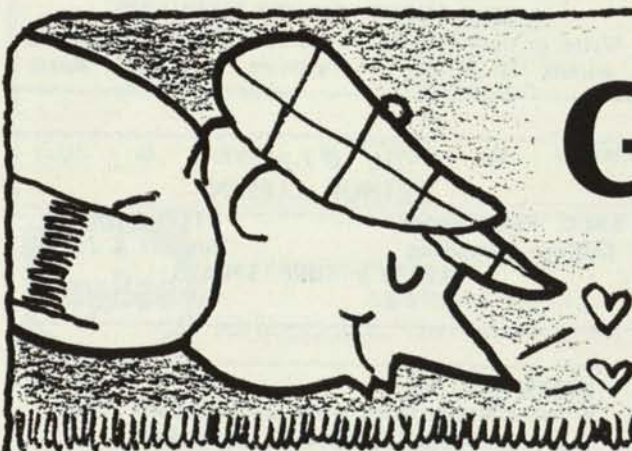
— COMPLETE TREE CARE —

Pruning Tree Planting
 Spraying Tree Removals
 Feeding Inspections

DAVEY TREE EXPERT CO,

L. F. IRVINE — H. J. OTTO
 District Mgrs.

Arlington Heights P. O. Box 325 437-4080



Golfer's Delight

Since 1882...

that's 83 years ago and the year Darling & Company started in the plant food business. These years of experience, plus technical know-how and continuous research have established Darling a leader in plant food manufacturing.

Whatever your problem—plant foods or soil conditioners—Darling can help you. Our plant and warehouse in Chicago means a ready supply of products with 83 years of know-how at your service.

Fairways and greens kept at their best! And remember:

**DARLING'S PLANT FOODS
 DOES IT BEST!**

DARLING

& COMPANY

4201 S. Ashland Ave., Chicago 60609
 Phone: 927-3000

REPORT OF DELEGATE TO THE GCSAA NATIONAL MEETING

The results of the annual election of officers and directors of the GCSAA are as follows:

President — Edward Roberts (New Jersey)

Vice-President — Walter Boysen (Calif)

Directors — John Spodnik (Ohio), Norm Kramer (Mich.), Richard Blake (Mass.)

Holdover members of the board of directors are:

James Brandt (Illinois)

Tom Leonard (Texas)

Richard McLaughlin (Michigan)

Robert Shields (Maryland)

Each passing year brings to light more and more extremely well qualified men who are nominated for election to office in the GCSAA. This year we were again fortunate in having some real talent on the slate, including our Midwest candidate, Ed Stewart.

We regret to report that we were unsuccessful in getting Ed elected but we did run a strong fourth place out of eight candidates but unfortunately only three candidates were to be elected.

As a Monday-Morning-Quarterback, I would observe several factors that influenced this year's election. First, this was the first year when all affiliated chapters of GCSAA were privileged to vote by delegate without having the previously required 60% quota. This increased the total voting strength this year up to 1559 votes. A few years back we used to record about 700 to 800 votes. This heavy vote gives the smaller chapters a better opportunity to pool their votes and decreases the chances of two or three larger chapters dominating the entire election as was the case many times in the past. We also had a unique situation this year with two holdover men on the GCSAA board from the midwestern area, and two more being up for election.

On the brighter side, we were particularly pleased to see our former Midwest member Norm Kramer make it on his second try at it and we know from his past performances he will continue his fine efforts on the behalf of golf and the superintendents.

For the information of those who did not attend the conference, our Midwest president, Adolph Bertucci called a caucus meeting prior to the election where a briefing was held to review the situation and to instruct the delegate as to the wishes of our group. The room was packed with our members and everyone seemed pleased to hear of the ins and outs of the situation.

Incidentally, our final voting strength for the Midwest Association was 120 votes.

Respectfully submitted,
Bob Williams, Delegate
Ted Woehrle, Alternate

TURF TROUBLES

try our line of tested, trusted treatments for finest turf!

- FUNGICIDES
 - HERBICIDES
 - INSECTICIDES
 - LIQUID & SOLUBLE FERTILIZERS
 - WETTING AGENTS
- write for our FREE 25th Anniversary Catalog

ALFCO ROKEYB CO., INC.

Marietta, Ohio • P. O. Box 267 • phone 373-1394



ILLINOIS LAWN EQUIPMENT, INC.

OF

ORLAND PARK, ILLINOIS

14750 LA GRANGE RD.

U.S. RT. 45

Area 312 - 349-8484

"For the Finest in Turf Maintenance equipment and Supplies"

WE ARE NOT THE BIGGEST BUT WE TRY THE HARDEST.

ASK FOR OUR CATALOG

Bob Johnson

Pete Vandercook

Wayne L. Trometer

C. E. STEWART

Civil Engineer

Irrigation, Drainage, Water Supply, Pumping Plants
Design — Reports — Consultation — Supervision
18357 Homewood Ave. Homewood, Illinois

MILLBURN Peat Moss

SAVES TIME! SAVES MONEY!

PROMPT DELIVERY ON BULK TRUCKLOADS

Write, or phone collect: (A/C 317) 583-4411 for details

MILLBURN PEAT CO., INC. P. O. BOX 297 OTTERBEIN, INDIANA

Tel. LE 7-2177

ARTHUR CLESEN

I.M.C. Plant Foods

TERRA-GREEN

Custom Spreading

Regular & Jumbo

CLEARY'S TURF SPRAYS

611 So. Wolf Rd.

Wheeling, Ill.

EVERSPRAY CO.

• UNDERGROUND LAWN SPRINKLING SYSTEMS

IRRIGATION EQUIPMENT

AND SUPPLIES

GEORGE WELLEK

9250 GOLF ROAD
DES PLAINES, ILLINOIS
296-5555

Nels J. Johnson, Tree Experts, Inc.

SINCE 1930

Complete, economical tree service for Private Estates, Parks, Municipalities, Golf Courses Cemeteries, Schools, Industrial Areas.

All phases of Arboriculture, Diagnosing, Pruning, Treating, Transplanting, Fertilization, Hydraulic and Mist Spraying, Removals, Stump Routing, Municipal Forestry.

— FULLY INSURED —

GRADUATE FORESTERS

• LICENSED ARBORISTS

MAIN OFFICE: 912 Pitner Avenue, Evanston, Illinois

Phones: GR eenleaf 5-1877 — GR 5-5255

Hinsdale, Illinois — FA 5-0970

CLEARY PRODUCTS FOR BETTER TURF

PMAS — Crabgrass and Turf Disease Control

CADDY — Economical and Effective — Liquid Cadmium Fungicide

SPOTRETE — 75% Thiuram Fungicide

"THIMER" — A broad-spectrum wettable powder fungicide and crabgrass killer containing phenyl mercury and thiram.

"METHAR" — Disodium Methyl Arsonate (DSMA) in wettable powder (highest concentrations) and liquids.

"SUPER METHAR" — The new "AMA" liquid crabgrass killer.

CLEARYS MCPP

For selective control of Chickweeds, Knotweeds, Clover, Dandelion, or Plantain in Bentgrass Greens and Fairways as well as Bluegrass, Fescues, and their mixture.

"ALL WET"

Added to Water Obtains Quicker and Deeper Penetration
Retains Moisture, Prevents Dew

W. A. CLEARY CORPORATION

NEW BRUNSWICK, N. J.

ROSEMAN

2620 CRAWFORD AVE. UN 4-1842

EVANSTON, ILLINOIS

TURF EQUIPMENT HEADQUARTERS

ROSEMAN GANG MOWERS

FORD TRACTORS

WEST POINT GREENS MOWER

LELY SPREADERS

ROGERS SWEEPERS

ARPS TRENCHER

ROYER SHREDDERS

PAR AIDE PRODUCTS

SEEDERS

STANDARD PRODUCTS

WEST POINT PRODUCTS

ROTARY PRODUCTS

SALES ● SERVICE ● PARTS ● RENTALS



PROFESSIONAL SERVICE
for the
PROFESSIONAL TURF MANAGER

NEW STOCKS

- BENT SEED—all kinds and varieties carried in stock. Highest purities and germinations.
- FERTILIZERS—a wide range of analyses.

Organics

Organic Base

Urea-Formaldehyde base

Chemical

All available in pelleted or conventional form.

KAHN BROS. CO.

CHICAGO, ILL

BO 8-0640

EXCELLENCE IN SERVICE SINCE 1893

In reviewing the GUIDE FOR PREPARATION OF SPECIFICATIONS FOR GOLF COURSE CONSTRUCTION, a booklet by H. B. Musser, J. M. Duich and J. C. Harper, all of Pennsylvania State University, the best explanation of its purpose can be given by quoting the preface:

"Many of the most serious problems encountered in maintenance of satisfactory turf on golf courses are the direct result of faulty construction. Failure to provide for adequate surface and sub-surface drainage of greens, poor root-zone mixtures that are subject to severe compaction, inadequate soil preparation on fairways, and shoddy seeding methods are among the "built-in" mistakes that create future maintenance problems. These very often require major reconstruction or renovation to correct. Not only is this expensive but it also seriously interferes with normal use of the course.

The preparation of a complete and concise set of specifications is the first step in protecting a very substantial initial investment against future unnecessary outlays of additional funds, and of insuring against permanent mediocrity of playing conditions. The building of a modern golf course is a specialized operation. A wealth of practical experience and an ever increasing fund of experimental evidence is available to everyone who has the desire and ability to use them. But unless the right materials and construction methods are properly fitted to each specific job, results can be far less than anticipated. Apparently, most of the difficulties arise from a failure to prepare a complete and firm directive which specifically outlines each phase of the construction operations. This should be so organized that the provisions are definite and capable of reasonably exact interpretation by everyone concerned.

This "Guide for the Preparation of Specifications for Golf Course Construction" presents an outline for the organization of a complete set of contract specifications. It has been developed in such a way that any provision or section which is not applicable to a specific job may be deleted without affecting the remainder of the contract. It is presented in the hope that it may be of assistance to those who have the responsibility of specification preparation, and that it may provide a better understanding, on the part of those for whom the work is being done, of what an adequate set of specifications should contain."

This publication can be obtained from the Golf Course Superintendents Association of America, 3158 Des Plaines Ave., Des Plaines, Illinois 60018 for 85 cents per copy.

Notes

Hubby Hubjan, pro of Onwentsia, will be our speaker at the April meeting.

Pat Ryan (Greenshire Golf Club) is back on his feet after his recent operation.

Al Hintz (White Pines) found out that you need more than a piece of plywood to fly. He is now recouping, at home, from some broken ribs.

Bob Williams will be a speaker at the Michigan State Turf Conference.

(Continued on next page)

Mrs. Al. Dorband (Mission Hills) is out of the hospital and doing well.

Norm Kramer was elected president of the Midwest Turf Foundation at Purdue and Ted Woehrlé became a member of the board of directors.

Chicago District Golf Association meeting on irrigation March 23.

Mrs. Ken Lapp (Fresh Meadows) underwent surgery the first of the month and is doing well.
Area Code 312

DANGER—POISON

The Relative Toxicity of Agricultural Chemicals

Many persons are concerned with the new insecticides and how poisonous they are to humans and other warm-blooded animals. Those selling and using these materials should be alert and realize the potential dangers involved. Purchasers of insecticides should also be warned of their toxicity and to follow **manufacturer's** directions when they mix and apply these chemicals. Even more amounts of many of the so-called "safe" insecticides and fungicides can cause sickness and even death if they are improperly used. The following table gives the amount of the actual material that will kill 50% of the rats to which it is fed on a weight basis; and the amount which, when taken internally, might be considered lethal to a 150-pound man. Those with an asterisk (*) are organic phosphate insecticides.

Material	Acute Oral Toxicity to Rats (LD-50 Mg/Kg Body Weight)	Estimated Lethal Dose for 150-pound Man (in ounces)
Aramite	4,000	9.600
Chlordane	460	1.104
Chlorobenzilate	702	1.685
DDD (Rhothane)	330	0.792
DDT	113	0.271
Dieldrin	100	0.240
*Dithio (Sulpha-Tepp, Thiotep)	8	0.019
Endrin	10	0.024
Kelthane	730	1.752
Lead Arsenate	125	0.300
Lindane	125	0.300
*Malathion	1,000	2.400
Metaldehyde	1,000	2.400
*OMPA (Schradan)	18	0.043
*Parathion	3	0.007
*Phosdrin	7	0.017
Sevin	540	1.296
*Systox	7	0.017
Tedion	14,700	35.280
*TEPP	2	0.005
*Thimet	3	0.007
Toxaphene	90	0.216
Ferbam (Fungicide)	17,000	40.800
Maneb (Fungicide)	7,500	18.000
Nabam (Fungicide)	395	0.948
Zineb (Fungicide)	5,200	12.480

AS YOU CAN SEE FROM THE TABLE, IT TAKES FAR LESS THAN ONE OUNCE OF MOST OF THESE MATERIALS TO KILL A HUMAN, AND SOME ARE SO VIOLENTLY POISONOUS THAT A FATAL DOSE

WOULD BE DIFFICULT TO MEASURE BECAUSE IT IS SO SMALL!

The amounts stated in the table would likely be **fatal** when taken internally. But it must be remembered that although it is rather common for these materials to be swallowed, many (such as Parathion and Thimet) are **nearly as dangerous when absorbed through the skin. Beware of breathing in these materials too!**

The effect of the organic phosphate is cumulative in the body. Since all of the phosphate insecticides act in the same manner on the system, they should be avoided if it is suspected that you have been poisoned by any one of them. Note that of the phosphates listed, Malathion is by far the least toxic; all of the others are **extremely poisonous.**

If you are using any of the phosphate insecticides, **notify your family physician** to that effect and tell him you want atropine pills to keep in your first-aid kit. Always use a full-face respirator and protective clothing when applying these materials. **Don't forget the rubber gloves. And keep insecticides off your skin!!** If you begin to feel light-headedness, tightness of the chest, nausea, or dizziness while using these materials (or immediately after), call for medical aid and meanwhile take the atropine pills as recommended by your doctor.

Be Alert when applying these materials and notify persons purchasing and using them as to the potential danger. These chemicals are very effective for killing certain insect and fungus diseases; but they do not discriminate between these and the human being who handles them carelessly!!!

(From **TURF BULLETIN** Mass. Turf and Lawn Grass Council)

PRECISION BLENDED TOP DRESSING

Custom blended to your specifications by our modern equipment.

*Buy when you need —
Eliminate costly storage*

We sell an air dried, uniform and free flowing top dressing.

ASK THE MAN WHO HAS USED IT.

HUMUS — BLACK SOIL

HENRY FRENZER

Area Code 312
729-4290

1719 Grove St.
Apt. 8
Glenview, Illinois
60025