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

Editor — Ray Gerber 865 Hillside Ave. Glen Ellyn, III. 60137 Phone — 469-6467

Associate Editors — Robert Williams 90 East Franklin, Apt. 208 Lake Forest, III. 60045 Office Phone — 432-0088

> Leonard H. Berg 1575 W. 75th St. Woodridge, III. 60515 Office Phone — 852-0293

MAGSC BOARD OF DIRECTORS FOR 1975

OFFICERS

President — Mike Bavier First Vice President — Fred Opperman Second Vice President — Clifford Behrendt Secretary-Treasurer — Joe Grenko

DIRECTORS

Ed Fisher Bruce Burchfield
Carl Grassl David Meyer
Carl Hopphan Alby Staudt
Executive Secretary — Dorothy Carey

The following is a list of office telephone numbers for the entire Board.

Dorothy Carey	349-7766
Mike Bavier	358-7030
Carl Grassl	823-8682
Carl Hopphan	892-3600
Ed Fisher	654-4454
Fred Opperman, C.G.C.S	. 469-6220
Bruce Burchfield	799-5111
Alby Staudt, Emeritus	232-0624
David Meyer	529-4303
Clifford Behrendt	815 - 459-8570



Mike Bavier - President

The President's Message

This Minnesota farm boy never, in his wildest dreams while lying out under those dear star-studded Minnesota nights, dreamed he would some day be president of one of the largest and finest golf course superintendent's associations in the country.

When I first joined this Association, I had many thought on how things should be run and so on. After being part of the governing body some five years, one then starts to realize the decisions and hard work necessary to make the Association run to benefit the majority of the members.

Our Association, you might say, is comprised of three main parts like a "tripartite" system. There are three main reasons most of us attend the meetings. One of these reasons is as valid as the others — to be able to play on other superintendents' courses, which is a great stimulant for us. Most of us will agree that after playing someone else's course, we want to go home and improve our own.

The next great part of our Association is the companionship it offers. An association meeting is for people with similar interests to get together and relax and have a good time — to get out and meet old acquaintances or make new ones is most rewarding.

Finally, the educational segment of our Association is of utmost importance. If it is organized or not, one should continue the learning process so as not to become stale in our occupation. A round table discussion in the lounge can many times be as educational as the speaker appearing at a particular meeting. But let's not be afraid to listen to the guest speaker — he may have a very interesting and informative talk.

To me, all of these things bind our Association together. The board of directors that you elected for the year 1975 will try to work together and make decisions that will be for the good of our **total** Association. We will try to uphold this "tripartite" system so that you, the members, may reap the benefits.

SAND RAKE SALE OF THE YEAR

30 small aluminum sand rakes (like new) - \$1.93

30 small, steel head, wooden handle rakes (already painted) — \$1.27 apiece.
 Call Paul or Tony at Briarwood C. C. Phone 945-3350.

Annual Dinner Dance

On November 2nd, 1974, the Midwest Golf Course Superintendents Association held their annual Dinner and Dance at Silver Lake Country Club.

Many thanks to Carl Grassl, chairman, for the fine arrangements he made for our Dinner Dance. Thanks to our host and hostess, Dudley and Marlene Smith, and our co-host and hostess John and Grace Coghill, for the fine dinner and facility that they offered to us.

For those who missed it, the evening was one to enjoy with lovely door prizes and fine music to dance to.

The winners of the door prizes and contributors

Bottle of Wine, Carrier and Cooler -

Illinois Lawn Eq. - Ray Schmidt

Cutting Board -

Illinois Lawn Eq. - Tom Gilman

Marshall Field Gift Certificate -

Henry Frenzer Inc. - Mr. John Coahill

Marshall Field Gift Certificate -

Henry Frenzer Inc. - Mrs. C. Daugherty

Marshall Field Gift Certificate -

Harley Davidson - Ted Mochel

Marshall Field Gift Certificate -

- James Murphy

Harley Davidson Marshall Field Gift Certificate -

Burdetts, Inc. - Mrs. Penny Bavier

PGA Luggage Bag -

Killian & Nugent

- Pete Vandercook

DiFini Golf Sweater -

Killian & Nugent - Mrs. Howard Ludwig

Luggage Bag

Killian & Nugent - Mrs. Bertha Staudt

Tote Bag -

Killian & Nugent - Robert Breen



Midwest Association of Golf Course Superintendents Board of Directors. Front row L. to R. Fred Opperman, Glen Oak C. C., 1st Vice President; Mike Bavier, Inverness C. C., President; Joe Grenko, Midlane C. C., Secretary-Treasurer; Cliff Behrendt, Turnberry C. C., 2nd Vice President. Back row Directors L. to R. Carl Hopphan, Aurora C. C.; Bruce Burchfield, Calumet C. C.; Ed Fisher, Butler National G. C.; David Meyer, Indian Lake C. C.; Carl Grassl, Parkridge C. C.; Alby Staudt, Geneva G. C., Emeritus.

Weber Grill -- Mrs. W. H. Fuchs, Sr. G. A. Davis Co. Six Bottles of Wine & Rack -- Pat Mochel Rhodia, Inc. Silver Serving Plate -Roseman Tractor - Barbara Grassl Electric Crock Pot -The UpJohn Company - Marlene Smith Battery Charger -Lewis International - Pat Berg Cross Pen & Pencil Set -Material Service Karen Murphy Carson Gift Certificate -Arthur Clesen - Sterling Hamilton Electric Mix Master -Swift & Co. - Nels Johnson Electric Cooker -Frank Ross, Agrico - Jan Fischer Electric Cooker-Fryer -Turf Products - R. Burdett Toro 14" Snow Pup -- Mrs. Keith Fuchs Toro Distributing 5th Royal Crown -Lemont Paving - Tina Brown Cheese Board with Cutters -Paarlberg Chemical Clarence Mitchell Telephone Index -Bo Jo Linda Stalls Telephone Index -Bo Jo - Mary Jo Murphy Singing Golfer -- Bill Saielli Bo Jo Ball Warmer -- Curt Lemina Bo Jo Cork Puller -- Jim Reed Bo Jo Travel Wallet -- Ralph Jacobs Bo Jo Dest Pad - Lin Stalls Desk Pad - Mary Clesen Table Center Piece - Peter Nason, Mike Gruening, Mrs. Ray Murphy, Mrs. Elmer Lemke, Reuben Horne, Ed Wallenberg, Ed Klebeh, Susie Fredrickson, Bonnie Fuchs, Wayne Trometer, Steve Divito,

FILMS AVAILABLE THROUGH GCSAA

"ABC's of Putting Green Construction"

"Courtesy on the Course"

Clifford Behrendt

"Drainage System for a Different Green"

"Mowers for Golf Course Maintenance"

"Royal and Ancient Game"

"Water Movement in the Soil"

"Your Experimental Green"

The above films are available free of cost except return postage. We request that each film be insured for \$200.00 when returned.

To avoid conflicts due to prior scheduling, it is suggested that an alternate date be provided when each film is requested.

C. E. STEWART

and Associates Civil Engineer

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



The Midwest Association of Golf Course Superintendents of 1975 Board of Directors held their first meeting on Nov. 14, 1974 at Inverness C. C. L. to R. Mike Bavier, President, Clifford Behrendt, Carl Hopphan, Joe Grenko, Bruce Burchfield, Carl Grassl, Alby Staudt, Ed Fisher.

ARTHUR CLESEN INC.

Turf Chemicals

Country Club & Vertagreen **Fertilizers**

Soil Conditioners - Bark - Mulches

"Easy Markers" & Paints

611 So. Wolf Road Wheeling, Illinois (312) 537-2177

Nels J. Johnson, Tree Experts, Inc. **SINCE 1930**

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

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



Phone 668-5537

DATE SET FOR 1975 ILLINOIS ARBORIST SEMINAR

January 21st is the date announced for the 1975 Arborist Seminar jointly sponsored by the Illinois Commercial Arborists, and the Cook County Extension Service of the University of Illinois.

The meeting will be held at the Sheraton-O'Hare, Rosemont.

Mr. Ray Gerber Editor, Bull Sheet 865 Hillside Ave. Glen Ellyn, III. 60137

Dear Ray,

A few of our former golf team members have expressed to me their disturbance over the way our team has been selected in the past. Hopefully, the following article printed in the Bull Sheet will somewhat solve their problems.

1975 — G.C.S.A.A. GOLF TOURNAMENT Pensacola, Florida February 13-14, 1975

Our GCSAA Golf Tournament Committee has once again prepared a most thorough as well as interesting format for our annual tournament. They have provided varied flights that will include any and all interested golfers from your wife to your Green Chairman; that is what you call a wide span. Two very fine golf courses in the Pensacola, Florida area have been selected as the tournament site. Compare all of this with February in the Chicago area and a decision is not too hard to make.

The main and most important point that I would like to put forth at this time is that our Chapter team, to be successful, must have the same organization our National Committee had in planning this event. I understand that in the past the actual players representing our team has been a controversial point right up to minutes before "game time".

To hopefully prevent a repeat of this situation I have appointed Mr. Robert Kronn, our most competent golf champion, team captain. If all interested people wishing to seriously participate would contact Bob, well in advance, I am quite sure a successful Midwest team will blossom.

> Carl Hopphan Director, Golf

COMING SOON!

TORO

Toro Distributing
731 District Drive, Itasca, III. 60143 (312

(312) 773-2110 Parts (312) 773-2113

WORKMASTER

FEATURES AND BENEFITS INCLUDE:

Heavy-duty industrial-quality hydro-static
 drive
 Lower center of gravity
 Up-front
 seating for two
 Automotive controls and more
 leg room for operator
 Oversize rear tires
 High capacity box
 Ease of maintenance is engineered in
 A price tag lower than you'd believe

TORO

Turf & Irrigation Equipment

USED EQUIPMENT SPECIALS 2000 lb. Hydraulic Porta Crane



FOR THE FINEST IN IRRIGATION

SPRINKLER IRRIGATION SUPPLY COMPANY

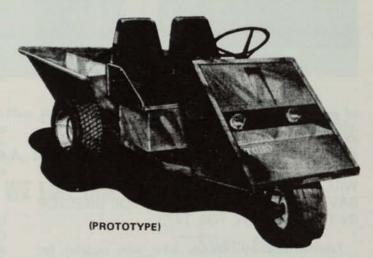
DIVISION OF A. J. MILLER, INC. Since 1925

1738 Armitage Court Addison, Illinois 60101 312 - 629-7730 1316 Campbell Road Royal Oak, Michigan 48067 313-398-2233 Hose & Accessories

Greens & Tee Equipment Bean Sprayers

Fertilizers

Chemicals



SOME OBSERVATIONS MADE AT THE UNIVERSITY OF RHODE ISLAND TURFGRASS FIELD DAY

 The importance of Balanced Fertility was shown by: a greater incidence of Striped Smut Disease on grass which had received little or no phosphorus. and a tendency to show more mechanical injury if the plot had not received potassium.

 Herbicide applications should be limited. Frequent applications of Dicamba appear to result in a greater incidence of Poa annua in fairway turf.

- 3. Slow release fertilizers do not seem to be the answer yet. From the test plots it appears that we cannot yet make one fertilizer application per year to obtain uniform growth. Slow release sources of Nitrogen such as IBDU, Ureaform, and Sulfur Coated Urea were applied to bluegrass turf to study the effect of the different sources of Nitrogen relative to the time and rate of application. It appears that combinations of the above materials and split or more frequent applications yielded the best results.
- 4. In the Disease Studies, Dr. Jackson commented on the increased evidence of Fairy Ring, noting that the systemic fungicides appear to have possibly upset the balance between the "good guy and bad guy" organisms in the soil. No control for the Fairy Ring Fungi was noted but it was suggested that we could aerate, water and perhaps apply wetting agents to help mask the evidence. Dr. Jackson noted that, in his opinion, the systems

Dr. Jackson noted that, in his opinion, the systemics need not be watered into the soil for the control of Dollar Spot disease but should be watered in for the control of Striped Smut and Fusarium Blight.



Editor

Midwest Breezes

ROGER LA ROCHELLE IS THIS YEAR'S MID-WEST ASSOCIATION'S DELEGATE. BRUCE SER-ING IS ASSOCIATE DELEGATE. I AM SURE GOOD MEN SUCH AS BRUCE AND ROGER WILL DO A BANG UP JOB IN BEHALF OF MIKE BAVIER WHO IS A CANDIDATE FOR DIRECTOR IN THE G.C.S.A.A. FOR 1975.

Talented Rodney Voykin, who won acclaim for some of his art work in Canada, has remodeled one of his greens so creatively that his Green Acres C. C. members can hardly wait to get on it. Keep them off, Rod, until your masterpiece is ready.

Mr. and Mrs. Adolph Bertucci are flying to California to visit their daughter, Joan, and son-in-law; also their two lovely grandchildren.

Paul Voykin's popular and reluctant talk, "Over Grooming Is Over Spending" is sure making the rounds. Paul just finished giving his excellent talk to the annual Minnesota Superintendents Turf-grass Conference in Minneapolis and the Annual Turf Conference at the University of Illinois. The article also appeared in Golf Digest last summer.

Young, energetic Johny Berarducci, Superintendent at Ravinia Green C. C., has done an outstanding job in his first year at this North side private club.

We would like to hear about some of the local superintendents hiring girls or women for golf course work.

How good are they, honestly? What are the drawbacks, if any?

What are the advantages besides athletic appearance?

I hope all of you golf course superintendents have your power sprayers and fungicides ready for snow mold treatment. A few extra dollars spent on chemicals for this purpose will have a big part in determining the condition of your golf course in the coming spring.

John Jackman, host superintendent at Medinah Country Club, has the Welcome mat out for all of you who will attend the 22nd annual turf clinic, on Tuesday, December 3rd, 1974. This is one meeting you should make every effort to attend. It may save your club considerable money.

Something new has been added this year. Complimentary rolls and coffee will be served in the registration room. Come early on December 3rd and stay

all day and evening.

This past season is past history. How about sending the editor news of happenings at your club this past 1974. What have you accomplished? Have you made any improvements on the club grounds? Was it a good year for you and why? If not, why? What is on the agenda to overcome any of the past problems? How is the labor problem? Is the budget going up or down? I am sure all golf course superintendents would be glad to hear your past year's experience and your future planning.

Paul Burdett and Mrs. Burdett have headed their automobile in the direction of Arizona, where they will spend the winter months; with the warm southern breezes, rather than shoveling snow in the Chicago

The annual meeting of the Midwest Association of Golf Course Superintendents was held at River Forest G. C. on November 7. Edward Stewart, Superintendent, was our host.

The attendance was not as large as in the past years. Thirty-eight legal voting members is a small number for as large a membership as we have in the M.A.G.C.S. I am sure that the members who were absent had a good reason for not attending. Maybe it was the good weather and the work in progress at their club.

The results of the election were:

President - Mike Bavier, Inverness C. C.

1st Vice President - Fred Opperman, Glen Oak C. C.

2nd Vice President - Clifford Behrendt, Turnberry C. C.

Secretary & Treasurer - Joseph Grenko, Midlane C. C.

Directors -

Bruce Burchfield, Calumet C. C. Edward Fischer, Butler National G. C.

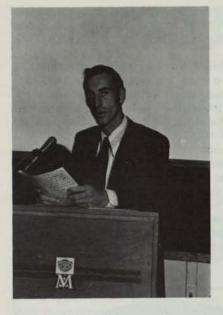
Ed Stewart, Superintendent at River Forest Golf Club, is in the process of building a new service building, 48 ft. x T08 ft. It will be used for storage, a maintenance section for repairing equipment and a section for living quarters for a percentage of employees.

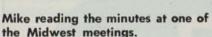
> ASPHALT DRIVEWAYS -PARKING LOTS 'Golf Course Work a Specialty'

LEMONT PAVING

SAND & STONE

115th & Archer Ave. (Rt. 171) - Lemont, Illinois RAY MURPHY 257-6701







Our Man Mike



Mike enjoys playing golf when he can work it into his busy schedule. Above — putting with one of his board members.

THE MIDWEST CANDIDATE FOR G.C.S.A.A. DIRECTOR

WE LIKED MIKE LAST YEAR AND WE LIKE HIM EVEN MORE THIS YEAR.



THORNTON'S TURF NURSERY

312 - 742-5030

Rt. 2 Box 72

Elgin, III.



Cold weather and snow cover before the ground is frozen are ideal conditions for Snow Mold. Apply Acti-dione Thiram late fall before the first snow cover and during winter thaws to fight fungi. See us today for help in winter disease control.

Available from TURF PRODUCTS LTD. or BURDETTS INC.



DOES SPRAYING HELP HARD-HIT ELM TREES? By Ellen Foley

The stately old elm in the back yard is bigger and taller than when you were a kid. It's different in another way, too. On one limb the leaves turned brown and fell off in midsummer. You suspect it's Dutch elm disease.

The blight, which arrived in the United States on a shipload of logs from Europe in the 1920s, still is running its course. Because of it, the elm soon will be as rare as the chestnut tree, which was devastated by an earlier blight.

There is not one best program to save your elms.

The ideal program has several components.

One basic is a spring (usually April) preleaf spraying with methoxychlor, a successor to DDT, which doesn't accumulate in fish or fatty animal tissues as DDT did. This chemical attacks the European bark beetle when it leaves its larval state in dead and diseased bark where it was spawned, and flies to twig crotches of healthy trees to feed, carrying Dutch elm fungus along with it.

Some companies prefer to spray a tree with benamyl, just after the foliage has sprouted. Others suggest both methoxychlor and benamyl applications. The benamyl is absorbed by the leaves and into the tree's system where it fights fungus. It usually is applied in late May and June, just before the tree

reaches full leaf.

Some companies suggest injecting benamyl into the tree as another option, but they admit this technique

has not yet been totally perfected.

"We don't recommend injection," said Frank Laemmlin, a Michigan State University plant pathologist. "We are not satisfied that it is that much more effective than spraying, and the damage you can do by injecting the tree can be pretty severe sometimes . . . if it hasn't been done properly."

Another chemical used, if you have two or more trees to be concerned about, is valpam. This is used to sever root systems of adjacent elm trees, which

sometimes can become emeshed.

Dutch elm disease can be passed on from one tree to another thru root systems. The problem with valpam is that it burns up the grass and shrubbery in the area where it is applied. Tree experts warn you to beware of quack cures, which are as rampant for elm trees as they have been for cancer patients.

If someone tries to sell you a benamyl treatment for \$10, don't take it, one tree service company warns. The raw material is more expensive than that, and you'll be getting less than your money's worth and

may lose the tree.

Company estimates of April applications for methoxychlor on one good-sized tree are in the \$20 to \$25 range; and an additional application of benamy in June would be about \$35. These would become annual upkeep costs if you choose to keep your elm.

Trimming a tree could cost from \$50 to \$200, and cutting one down \$150 to \$600 to \$1,000. The price variation depends on where the tree is located.

Picking a tree service company you can trust is a must if you are going to try to save your elm tree or save your property while you're having it removed. Tree companies make the following suggestions:

• Get recommendations from friends or the officials in your city who subcontract with these companies for spraying and tree removal. If you see a company working in your neighborhood, examine its work and check to see if the workers have mucked up the lawn or pulverized the pavement.

 Be sure the firm is licensed and insured. Reputable firms will have their insurance agents send you a certificate of insurance if you pick them to work for you. Don't let them start without it, so you can be sure any damage they might do to your property will be covered.

• Some companies recommend you ask if they are staffed with tree surgeons and graduate foresters to be sure you get an honest, tree-oriented opinion.

• Find out if the tree company sends periodic

notice that your tree needs attention.

• See if your neighbors are interested in finding tree service for the whole block. They might be cheaper. If you give a company a block of work to do, you might be able to get block prices.

Knight News Service



Turf-care equipment

DISTRIBUTED BY



F. D. CLAVEY RAVINIA NURSERIES, INC.

Roy F. Clavey, Pres. Established 1885

TREES

SHRUBS

EVERGREENS

Introducers of
CLAVEY'S DWARF HONEYSUCKLE
BEVERLY FLOWERING CRAB

Rte. 2, Box 582, U.S. 45 & Knowles Rd. Lake Villa, Illinois 312 – 223-8616

G.C.S.A.A. EDUCATION PROGRAM NEW ORLEANS, 1975

speakers and topics

The following is a breakdown of the speakers, their topics and indentification for each day. They are arranged alphabetically within the day of their presentation.

MONDAY, FEBRUARY 17, 1975

Morning ---

Chris Schenkel, three-time winner of the "Sportscaster of the Year" award, will open the Conference with a Keynote address Monday morning.

Covering such golf classics as the Masters, US and British Opens, PGA Championship and the US Amateur, Mr. Schenkel is known personally by many superintendents, and nearly everyone else through television. Being the anchorman for approximately eleven golf tournaments each year, Mr. Schenkel has traveled over many of the finest golf courses in the world, describing them to millions of viewers.

CHRIS SCHENKEL
ABC Sports Commentator
Keynote Speaker



Afternoon ---

- Dr. J. B. Beard: Professor, Department of Crop and Soil Sciences; Michigan State University, East Lansing, Michigan -- Metric Conversions.
- Stanley S. Bulpitt: President, Brookside Nurseries, Darien, Connecticut --Recycling of Golf Course Waste Materials.
- William E. Knoop: Director of Education, GCSAA; Lawrence, Kansas -- Application Calculations.
- Henry Korp: Deputy Assistant Administrator, Environmental Protection Agency, Office of Pesticide Programs Washington, D.C. -- EPA Overview.
- W. Scott, Lamb: President, Agricultural Commodity Promotion; Salem, Oregon - Factors Affecting Production and Cost in the Seed Industry.
- Palmer, Maples, Jr. CGCS: Vice President, GCSAA and Superintendent, The Standard Club, Atlanta, Georgia. -- Land Measurement.
- Dr. Paul E. Rieke: Professor, Department of Crop and Soil Sciences, Michigan State University, East Lansing, Michigan — Land Measurement.
- Barry J. White: Associate Assistant Secretary for Regional Programs, Occupational Health and Safety Administration, Department of Labor, Washington, D.C. -- OSHA Overview.

TUESDAY, FEBRUARY 18, 1975

Morning ---

- Dr. Glenn W. Burton: Research Geneticist, Department of Agronomy, College of Agriculture, University of Georgia, Tifton, Georgia -- Development and Evaluation of Superior Bermudagrass for Golf Greens.
- Dr. Herbert Cole, Jr.: Professor, Department of Plant Pathology, Pennsylvania State University, University Park, Pennsylvania -- Fungicide Tolerance in Turfgrass Disease Organisms.
- Dr. A. C. Ferguson: Professor, Department of Plant Science, University of Manitoba, Winnipeg, Canada-- Chemical Control of Low Temperature Organisms Attacking Turfgrass.
- Dr. Richard E. Schmidt: Associate Professor, Department of Agronomy, Virginia Polytechnic Institute, Blacksburg, Virginia -- Nitrogen and Iron Ferlilization of Bentgrass.

Afternoon ---

- M. L. Anderson: Pesticide Generalist, Technical Assistance Section, EPA, Region VI, Dallas Texas--EPA Panel.
- A. Cameron Cairncross: Superintendent, Summit Golf Course, Thornhill, Ontario, Canada -- Maintenance Building Construction.
- Roy Clark: Chief, Pesticide Branch Environmental Protection Agency, Atlanta, Georgia--EPA Panel.
- Joseph W. Harper: Commissioner, Department of Parks, Recreation and Conservation, County of Westchester, White Plains, New York, Personnel Motivation.
- Dr. Charles A. Lewis: Chairman, Recreation Education Department, Cortland State College, Cortland, New York -- People Relations in Management.
- Dr. Gilbert M. Mellin: Vice President, Whitney National Bank, New Orleans, Louisiana -- How Funny Is Your Money?
- Harry H. Nichol: Superintendent, Elmwood Country Club, White Plaines, New York, -- What a Superintendent Should Know About Weather.
- Dr. Owen M. Rogers: Professor, Department of Plant Science, College of Life Sciences and Agriculture, University of New Hampshire, Durham, New Hampshire — Basic Landscape Design.
- Larry G. Vetter: Superintendent, Minikahda Club, Minneapolis, Minnesota -Area Concept in Crew Management.
- John C. Wicklund: Chief, Pesticides Program Branch, EPA, Kansas City, Missouri--EPA Panel.
- Stephen N. Wilcoxen: Superintendent, Cherokee Town and Country Club, Dunwoody, Georgia -- Spring Dead Spot.

WEDNESDAY, FEBRUARY 19, 1975

Morning ---

- Jerry Claussen: Facility Development, National Golf Foundation (Rocky Mountain Region), Denver, Colorado--General Manager Concept, [Organization].
- Dr. George O. Estes: Associate Professor, Department of Plant Science, University of New Hampshire, Durham, New Hampshire -- Soil Chemistry.
- Richard A. Fitch: Commissioner, Recreation and Parks Department, Nassau County, State of New York, East Meadow, New York -- How to Discipline and Reward Your Crew.
- Dr. Leon T. Lucas: Assistant Professor, Department of Plant Pathology, North Carolina State University, Raleigh, North Carolina -- Nematode Damage and Control.
- John A. Marque: President, Pelican Homestead and Savings Association, New Orleans, Louisiana -- Savings and Loan.
- David S. Moote: Superintendent, Essex Golf and Country Club, Windsor, Ontario, Canada, GCSAA President 1964, -- General Manager Concept. (Speaking FOR)
- Dr. Coleman W. Ward: Department of Agronomy, University of Florida, Gainesville, Florida - Water Movement in Soil.
- Dr. Carl E. Whitcomb, Associate Professor, Department of Horticulture, Oklahoma State University, Stillwater, Oklahoma, -- Landscape Plants for the Golf Course.
- Robert M. Williams: Superintendent Bob-O-Link, Highland Park, Illinois, GCSAA President 1958, General Manager Concept. (Speaking AGAINST)

THURSDAY, FEBRUARY 20, 1974

Morning ---

- William H. Bengeyfield: Director, Western Region, USGA Green Section, Garden Grove, California -- Preparing for a Tournament.
- Dr. James Breen: Professor, Chairman, Department of Human Kinetics and Leisure Studies, George Washington University, Washington, D.C. -- Your Crew as Individuals.
- Dr. William H. Daniel: Professor, Department of Agronomy, Purdue University, Lafayette, Indiana -- Use of Growth Regulators in Turf Management.
- Douglas H. Fender: Public Relations/Communications, GCSAA, Lawrence, Kansas -- Writing a Newsletter for Your Club.
- Holman Griffin: Director, Mid-Atlantic Region, USGA Green Section, Charlottesville, Virginia -- Clubhouse Landscaping.
- James E. Gueydan: Vice President Dales, Whoard, Weil, Labouisse, Friedrichs, Inc., Investment Securities, New Orleans, Louisiana -- Stock Brokers.
- Dr. John R. Hall: Associate Professor, Agronomy Department, University of Maryland, College Park, Maryland, -- The Reaction of Turfgrass to Your Management Program.
- Elbert S. Jemison, Jr.: USGA Executive Committee, Green Section Committee Chairman, Birmingham, Alabama, -- Preparing for a Tournament.
- James B. Moncrief: Director, Southern Region, USGA Green Section, Athens. Georgia -- Maintenance Buildings.
- Al Radko: Director, Eastern Region, USGA Green Section, Highland Park, New Jersey -- Clubhouse Landscaping.
- Lee Record: Director, Mid-Continent Region, USGA Green Section, Crystal Lake, Illinois -- Maintenance Buildings.
- Dr. Paul E. Rieke: Professor, Department of Crop and Soil Science, Michigan State University, East Lansing, Michigan -- How the N-K Balance Affects the Turf Plant.

Afternoon ---

- Eugene D. Baston, CGCS: Superintendent, Country Club of Birmingham, Birmingham, Alabama -- Experiences with Bentgrass in the South.
- Dr. J. D. Butler: Extension Associate Professor, Turf, Cooperative Extension Service, Colorado State University, Fort Collins, Colorado -- How to Make A Fungicide Program Work For You.
- James R. Champlin: Chairman, Department of Recreation and Park Administration, University of Georgia, Athens, Georgia -- Crew Training - Establishing Your Program.
- Frank J. Dinelli, Jr.: Superintendent, Northmoor Country Club, Highland Park, Illinois -- Computerized Irrigation.
- Dr. Donald Hawkins: Research Professor, George Washington University, Washington, D.C.-Public Relations Aspects of Golf Course Management.
- Stanley E. Metsker, CGCS: Superintendent, Country Club of Colorado, Colorado Springs, Colorado -- Practical Landscaping.
- James E. Powell: Area Director, Occupational Safety and Health Administration, New Orleans -- OSHA.
- Gary O. Robinette: Executive Directory, Society of Landscape Architects Foundation, Mclean, Virginia -- Landscaping of Golf Courses.
- Dr. A. J. Turgeon: Assistant Professor, Department of Horticulture, University of Illinois, Urbana, Illinois -- Nutrition-Disease Relationships.
- Dr. J. M. Vargas, Jr.: Associate Professor, Department of Plant Pathology, Michigan State University, East Lansing, Michigan -- Pesticide Degradation by Microorganisms.
- Arthur J. Woffinden: Superintendent, Laguana Hills Golf Course, Laguana Hills, California -- Use of Effluent Water in Irrigation.

PATRONIZE OUR ADVERTISERS