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The happy host and hostess of the Annual Christmas Party, Ken McRae and his lovely wife, Elizabeth.

137 Enjoyed the 1974 Christmas Party

December 6th was the date of our Annual Christmas Dinner Dance. One hundred and thirty seven members and guests braved the weather to attend the party at the Edgewood Country Club.

Hosts for the evening were Ken McRae and his lovely wife Elizabeth. Once again the Edgewood Country Club put on one of the tastiest hot buffet tables for horsd'oeuvres that can be found anywhere in Michigan. The dinner that followed was equally as tasty and well prepared. The manager and chef are to be congratulated for their efforts in making this the highlight of the season.

Gerald Gill and his charming wife, Mary, served as the chairmen of the Christmas Party Committee. Thanks to the Gills and the McRaes for the very pleasant evening.

We were honored to have with us the widows of two of our past members. Once again we were happy to see Mrs. George Prieskorn and Mrs. "Dutch" Buettner. Mrs. Buettner was accompanied by her son Mr. Bill Buettner, past president of the Plumb Hollow Country Club where his dad was the Superintendent for so many years. Mrs. Prieskorn

was accompanied by her son George Prieskorn, the manager of Burroughs Farms, where his dad was the Superintendent for so many years. These are real success stories. Thanks to both of these ladies for coming to our party and sharing in the spirit of Christmas.

Our thanks to the following suppliers for their donations. The sponsors were:

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We always appreciate the support received by our most generous suppliers. Thanks for making this party a big success that was enjoyed by all.



Some of the dancers enjoying the music at Edgewood.



Don LaFond, Supt. Bay Pointe Golf Club, and his wife, Betty, give pointers on the latest dance steps.



The "crowd" enjoying a break in the dancing.

Clarence Wolfrom, CGCS Honored



President Gerald Gill, left, presenting Clarence Wolfrom a plaque in appreciation for all his help and guidance in training thirteen golf course Superintendents. Clarence's wife, Viola, looks on with pride.

Several of the Superintendents in attendance at the Christmas Party surprised Clarence with the presentation of a wall plaque stating their appreciation for the training and guidance that was given to them during the formative years of their careers as Superintendents.

It seems that Clarence has trained thirteen golf course Superintendents at Maple Lane during his years as Superintendent at the Club. The thirteen listed their names on the plaque as a token of appreciation for the help given them by Clarence. The thirteen are:

Gerald Gill, Tam-O-Shanter CC
Roger Gill, Pine Lake CC

Walter Trombley, CGCS, Arrowhead GC
Al Kaltz, Maple Lane GC
Dennis Kaltz, Maple Lane GC
Jerry Mass, Crooked Creek GC
William Milne, CC of Detroit
Don Puffpaff, Southfield
Don Zienert, Plumbrook GC
Duane Zienert, Sandy Ridge GC
Roger Jacobsen
Bruce Wolfrom, Barton Hills CC
Clem Wolfrom, Detroit Golf Club

Clarence is to be commended for taking the time to train such a distinguished list of successful Superintendents. The profession is very proud of each and every one of these fine men.
Congratulations Clarence.



Left to right: Walt Trombley, CGCS, Supt. Arrowhead GC; Al Kaltz, Supt. Maple Lane GC; Clarence Wolfrom, CGCS, honoree, Gerald Mass, Supt. Crooked Creek GC; Mrs. Wolfrom; Bill Milne, Supt. Country Club of Detroit; Clem Wolfrom, son of Clarence, Supt. of the Detroit Golf Club; Gerald Gill, President of MBCGCSA and Supt. of Tam-O-Shanter CC; Dennis Kaltz, Maple Lane GC; Bruce Wolfrom, son of Clarence, and Supt. of Barton Hills CC; Roger Gill, Supt. Pine Lake CC.

IMPORTANT LEGISLATIVE INFORMATION

from Dr. JAMES BEARD, MSU Turf School

I have had several phone calls regarding the possibility of legislation being introduced banning the use of fertilizer for non-farm uses. I felt the best source to get the correct information would be the Fertilizer Institute in Washington, D.C.

Mr. Don Collins, Vice President of the Communications for the Institute, talked at length with me regarding this and sent the following news release for your information. At the present there is no plan to introduce such legislation. I will keep on top of this situation and when and if such legislation is proposed I will be back in touch with you to talk to your legislator in Washington.

NEWS FROM THE FERTILIZER INSTITUTE

Washington, D.C., November 4, 1974

"Suggestions that farmers in the U.S. or underdeveloped countries could gain substantial fertilizer supplies for food production if U.S. lawn and garden use was diverted are both cruel and misleading," said Ed Wheeler, President of the 300-member Fertilizer Institute, here today. "It is cruel in that such suggestions have raised expectations far beyond our ability to provide,

finance or deliver to the emerging nations." he said.

"Robert W. Steiner, fertilizer coordinator for the United Nations Food and Agriculture Organization, recently met the issue head-on when he said, "It is unrealistic to talk about fertilizer being taken from golf courses in America to supply farmers in developing nations. What is needed is funds from the wealthier countries to secure fertilizer deliveries and to help pay shipping charges to the users." That is precisely the issue," added Wheeler.

"The amount of non-farm fertilizer use in the United States is very small compared to the amounts produced or used on farms in this country or, for that matter, needed by the developing nations," said Wheeler. "Quite simply, the emerging nations are broke. Their treasuries are bare, caused primarily by the unreasonable prices they are paying for oil. High oil prices in turn have greatly contributed to high fertilizer prices."

Quoting a recent report made by 36 state fertilizer regulatory officials (American Assoc. Plant Food Control Officials), Wheeler pointed out that only

Continued on Next Page

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GCSAA objectives proposed for 1975

- (1) Working toward establishment of a pension plan for the membership.
- (2) Assist the Superintendent in dealing with inflation problems. While information will be published in *The Golf Superintendent*, there will also be publications, talks, and so on, which will be helpful to members.
- (3) The Association plans to prepare its members to deal with the government

Don Oslund is Certified

Word has come to us that Mr. Donald Oslund, Superintendent, Warwick Hills Country Club, Grand Blanc, Michigan has recently completed examinations for Certification and has successfully passed all the requirements as set forth by the GCSAA. He is now our ninth Certified Superintendent in Michigan. Congratulations Don.

Legislative Information Cont.

3.5% of total U.S. fertilizer was being used for *all* non-farm purposes. These non-farm uses include everything from airport runway de-icing, to vegetable gardens, public park, and playground maintenance and highway shoulder stabilization.

"One should never forget that not only do our green lawns and landscaping

regulations and at the same time continue to insure that the Superintendent's interests are fairly represented and protected.

(4) Attention will be focused on the Superintendent as an individual with responsibility to his course and community. Guides and instructions to help the Superintendent become a more professional man will be given through talks, articles and personal contact in seminars and local chapter meetings. The certification program will continue to improve and gain in its value to the Certified Golf Course Superintendent.

Generally speaking, the Association will continue to strive toward its goal of upgrading and improving the image of the Golf Course Superintendent and to disseminate information which will make possible a more efficient and economical management of golf courses throughout the world.

make our cities more beautiful and pleasant to live in, but in addition, growing lawns and plants remove harmful carbon dioxide and pollutants from the air and release oxygen back in return. The small amounts of fertilizer so employed contribute not just esthetic enhancement to our environment, they make a necessary functional addition to it, as well," Wheeler concluded.

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More on the Certification Program

Competence, knowledge and capabilities are difficult to assess, particularly when dealing with a profession as diverse as that of a Golf Course Superintendent. As our profession grew, so did the desires to have some means by which these elusive qualities could be verified. In 1971, after careful consideration, and with justifiable deliberation, the Golf Course Superintendents Association of America established the Certified Golf Course Superintendent Program.

Today, a Superintendent challenges himself and the profession by completing the Certification requirements. After acquiring the specialized training and experience which this profession requires, a man seeking certification must prepare himself even further, because to be certified means going the extra measure.

After meeting the basic requirements for application, a Superintendent must still complete a six-hour written examination which tests not only his technical knowledge of turfgrass and plant protectant chemicals, but also his managerial skills of administration and leadership. In addition, the applicant must demonstrate a complete and thorough knowledge of the official rules of golf.

Neither formal education nor practical experience by themselves will ensure the successful completion of this program. Rather, a unique combination of these two ingredients must be acquired, because certification involves the entire realm of the Golf Course Superintendent.

Becoming a Certified Golf Course Superintendent is not an end in itself, for continued education and professional growth are an integral part of the program.

Certification was never intended as a guarantee of greatness to either the Superintendent or his employer. However, becoming a Certified Golf Course Superintendent demonstrates, without doubt, that this individual possesses not only the professional qualifications, but also the initiative and outstanding interest of a progressive, dynamic Superintendent.

The visitor paid his green fees, fixed up a match, and went out to the first tee. Taking his stance, he gave a wild swing, and missed completely.

"By Jove!" he said to his opponent, "it's a good thing I found out early in the game that this course is at least two inches lower than the one I usually play on."

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NAME OF INTERESTED PERSON _____ DATE _____

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Or you may contact the next golf course supplier who calls on you and give him the information needed for application.

Carl's Comments

by CARL SCHWARTZKOPF

Mid-Continent Agronomist
USGA - Green Section

Over fifty years ago, January 25, 1923, Edgar A. Guest published a poem in the *Bulletin of the Green Section of the United States Golf Association*, entitled 'The Greens Keeper'. Since

many of the comments he made over fifty years ago are still relevant today, it is worth reading for all the people involved in golf.

from 'BULLETIN OF THE GREEN SECTION OF THE USGA',
Vol. III, No. 1, January 25, 1923

The Greens Keeper

by Edgar A. Guest

He's on the job at break of day and when the stars come out,
There's always trouble on the course for him to fret about,
He starts the gang to work at dawn and follows them around
Then listens to committeemen whose wisdom is profound,
They talk of "bents" and "fescues" in a way that makes him squirm
For they acquire much knowledge in one brief official term.
His task is one that calls for tact, for lacking that it means
Next year there'll be another man brought on to keep the greens.

The members seldom know his name, or have a smile for him,
They only wonder why it is the course is not in trim.
They only rave and rage and rant while hunting for a ball
And wonder why the greensman hasn't cut the rough this fall,
And when they find a cuppy lie or footprints in a trap
"The course is in a rotten shape" declares each gloomy chap.
And yet my hat is off to him, now winter intervenes,
I want to pay my tribute to the man who keeps the greens.

He's on the job from dawn to dusk, a million pests to fight,
'Tis his to see that every green is watered well at night.
The weeds attack his finest work, the drought destroys his grass,
The rain beats down the tender shoots, but still the players pass
And still they play the game they love, a happy golfing clan
Who never stop to count the odds against a single man.
And so I wave my hand to him, who toils in sturdy jeans,
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1975 MBCGCSA Officers



The newly elected Officers and Directors of the Michigan and Border Cities Golf Course Superintendents Association. Standing left to right: Bruce Wolfrom, Supt. Barton Hills CC Director; Bob Hope, CGCS, re-elected Secretary-Treasurer, Supt. The Lochmoor Club; Roger Gill, re-elected Director, Supt. Pine Lake CC; George Prieskorn, re-elected Vice President, Supt. Burroughs Farm GC; seated Gerald Gill, re-elected President, Supt. Tam-O-Shanter CC.

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Hydraulics in modern turf equipment

by RICHARD CROMWELL

Agricultural Engineering Dept., University of Florida

Hydraulic systems are used extensively on most modern turf equipment. Where there are so many ways to do work using mechanics, pneumatics, or electricity, why is hydraulics so popular on modern machines? The main reason is flexibility. Few sources of power are as flexible as a confined liquid. Another reason is that very small forces can be used to control very large ones. Other reasons for the popularity of hydraulics are simplicity, compactness, economy and safety.

A basic hydraulic system includes four components: a reservoir to store the oil; a pump to push the oil through the system; valves to control oil pressure and flow; and a cylinder (or motor)

to convert the fluid movement into work.

Hydraulic power is nearly always generated from mechanical power; such as a hydraulic pump driven by an engine crankshaft. Hydraulic power output is nearly always achieved by converting back to mechanical energy, such as a cylinder raising a heavy load.

In order for compact cylinders or motors to have high work capacities, it is necessary to use high system pressures. System pressures in the two to three thousand pounds per square inch (psi) are not uncommon in modern hydraulic systems. These systems are designed using special lines and seals and the tolerances of all mating sur-

Continued on Next Page



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Hydraulics Cont.

faces are held within very close limits. Since such close fits are required to keep the high pressure systems from leaking, it is easy to see why cleanliness is so important.

Key Maintenance Problems

A hydraulic system is fairly easy to maintain; the fluid provides a lubricant and protects against overload. But, like any other mechanism, it must be operated properly. You can damage a hydraulic system by too much speed, too much heat, too much pressure or too much contamination. By caring for the system using a regular maintenance program, you can eliminate common problems. The key maintenance problems of a hydraulic system are:

1. Not enough oil in the reservoir.
2. Dirty oil filters.
3. Loose intake lines.
4. Incorrect oil in the system.

The first three problems are fairly obvious, but problem four, incorrect oil in the system, should be discussed further. It has been estimated that 70 per cent of hydraulic system problems stem from the use of improper fluids. The term hydraulic fluid, in almost all cases, means a highly refined petroleum oil usually containing additives, some to suppress unwanted properties and others to give the oil desirable properties. Never use hydraulic brake fluid in a hydraulic system designed to use petroleum-base oils. Brake fluid is not a petroleum product and is completely incompatible with petroleum-base hydraulic fluids. It is essential to use the fluid recommended in the instructions that accompany a hydraulic machine.

Importance of Fluid

A hydraulic fluid must be capable of transmitting the power applied to it. It must provide lubrication for moving parts, be stable over a long period of time, protect machine parts from rust and corrosion, resist foaming and oxidation. The fluid must be capable of separating itself readily from air, water and other contaminants and maintain proper viscosity through a wide temperature range.

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Hydraulics Cont.

Viscosity is a measurement of the fluid's resistance to flow. Using a hydraulic fluid that is too thin increases the possibility of leakage past seals and from joints. The leakage might noticeably slow down the reaction speed of the machine and also decrease its maximum lift capacity.

A hydraulic fluid that is too thick will cause sluggish operation and excessive horsepower is required to push the fluid through the system. Highly viscous fluid can cause the fluid filter to function improperly because the filter is equipped with a bypass valve that allows the fluid to flow through when the pressure reaches a certain level. This arrangement was devised to allow the fluid to continue flowing after the filter become extremely dirty because dirty fluid flowing is better than none. The pressure required to force the proper fluid through a relatively clean filter is less than the bypass valve opening pressure so the fluid passes through the filter rather than the bypass valve. The pressure required to force a highly viscous fluid through a perfectly clean filter can be greater than the bypass valve opening level and cause the fluid to be passed by immediately after a filter change. This would mean no filtration would occur at all. Fortunately, the filters are normally equipped with an indicator that shows when the bypass is open and the operator should know what the problem is if he has a clean filter on the machine.

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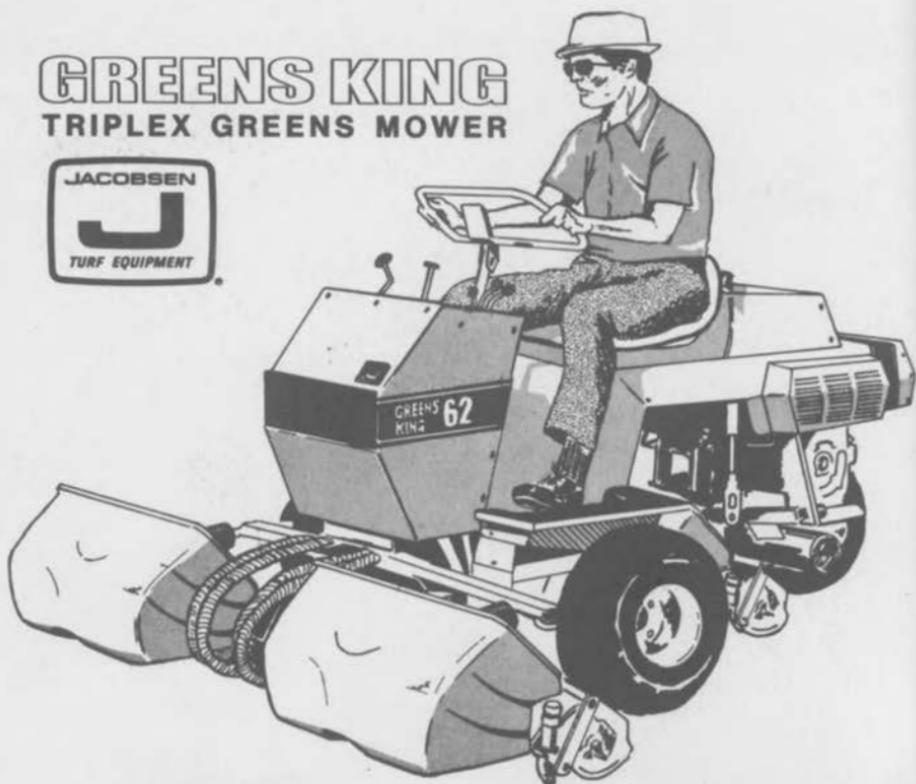
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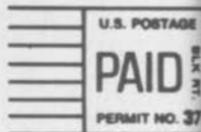
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