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**President's Message**

As the old saying goes — if you don't like the weather in Chicago, just wait a minute and it will change. It may have been a little more than a minute since I wrote about the floods of the last few years but it hasn't been very long. Now as I write we're mired in a drought that is becoming a serious threat to our agricultural crops and is taking its toll on golf courses as well. Some courses that rely on city water to fill their irrigation ponds have already had their spigots turned off by local governments. This summer is already proving to be a real test of character not to mention our irrigation systems. Unfortunately the way things work around here, if it ever does rain again it probably won't stop for a month. Mother Nature just doesn't play fair.

On another note the second annual superintendent-pro tournament was held June 2 at Turnberry Country Club. From the feed-back I have received, most people seemed to enjoy the event and the format. I still feel that to be truly successful as a way to bring the two organizations closer together it has to be run as more of a joint event as opposed to it being a straight PGA operation. I am forwarding my thoughts on this to the PGA and welcome comments from anyone else that might have thoughts on how to improve this event in the future.

Coming up at the end of July will be the John Deere Superintendent —Pro —Club official regional tournament. The event for this year has been vastly improved over last year's and it will also help us raise some money for research. Twenty percent of this year's entry fee will be donated to the MAGCS and earmarked for education and research. Details on the event will be coming straight from John Deere. As a reminder the date will be July 25 at Elgin C.C.

Lastly for those of you who were unable to attend the June meeting at Lakeshore C.C. you missed a very special day. Adolph Bertucci who claims to be retiring at the end of this season received many well-deserved accolades from the members at Lakeshore including an all-expenses paid trip for him and his wife for sixteen days to Italy. I'm sure he'll visit all the golf courses over there.

Please remember that the July meeting is our annual seniors appreciation day and cook-out and it would be nice to see a large turnout for this meeting.

**Mike Nass**

## Director's Column



by Jim Evans  
Superintendent Turnberry Country Club

### We're Looking for a Few Good Men

As past president of M.A.G.C.S., this will be my last assigned article appearing in the directors column. Please, don't everyone applaud at once! I thought it was appropriate as Chairman of the Nominating Committee this year, that I start early in my quest to find some good candidates to run for M.A.G.C.S. Board of Directors. The Annual Elections of officers for the M.A.G.C.S. Board is only four months away. And according to our by-laws a slate of candidates must be presented to the membership at least 30 days prior to the election. I don't know exactly how many positions will be open. This depends on whose term has expired and whether those currently on the board wish to serve another term. In any case, we will more than likely have a few openings on the board.

As I finish my last few months on the board, I realize this is a culmination of six years of serving the M.A.G.C.S. to some varying degree. The experience has been very rewarding. I have made some very good friends and have enjoyed the opportunity to help our association. When I was approached by the nominating chairman six years ago, I was asked to serve on the Board of M.A.G.C.S. I remember being somewhat hesitant to become involved with something I had little or no experience at. At the same time, I felt very honored to be chosen as one that would help guide M.A.G.C.S. into the future. I'm glad I made the right decision for I have no regrets these past six years.

We are looking for Class A superintendents that have attended our monthly meetings on a regular basis the past few years. The candidates must desire to serve fellow superintendents and members of M.A.G.C.S. through work on various committees. They must learn to continue the positive and progressive attitudes that prevail on the present board of directors. They must also have a positive attitude toward the profession of golf turf management and a desire to further advance the profession through hard work and dedication.

M.A.G.C.S. has never turned down anyone who is truly interested in helping the association. If there is no chance for a board position maybe you should consider serving on a committee for a year or two to gain some experience. It is very important that we continue the fine tradition that M.A.G.C.S. has obtained through the years. It is now my job to insure that we will procure good people to guide us into the future.

## Bunkers with Style

by Bob Lohmann

One of golf's greatest attractions is that it is played on natural terrain, or failing that, on terrain that has been molded so it has the aspect and feel of natural terrain. It is generally agreed that the best land for golf resembles the gently rolling terrain of the British linksland on which the game slowly developed and reached its first stage of maturity.

At St. Andrews, historians say the layout is completely natural and untouched by man, transformed by evolution into its present state.

The bunkers at St. Andrews, as well as all the linkland courses, became an integral part of golf. As architect Geoff Cornish put it, "It is not surprising that a bunkerless course is seldom if ever a true test. It is comparable to playing tennis with the net set too low."

The old course's influence on generations of golf architects has been immense. It served as a model for early architects who in their days did little more than site eighteen teeing grounds and greens on the splendid golfing ground that was put at their disposal.

Nature's handiwork started the sandy depressions, which were probably enlarged by sheep sheltering from the wind. St. Andrews became and still is one long fairway with nine holes out to a distant point and nine holes back.

When golf spread inland, natural hazards did not occur with the same frequency as they did on links courses. After the routing plan for a new course was decided upon, the placing of bunkers became the next consideration. Bunkers are used for a variety of reasons. As a hazard, they are incorporated into the hole design for the purpose of penalizing a misdirected shot and for establishing strategy and shot values. Bunkers are popular hazards because they provide a reasonable chance for escape. With water, a penalty stroke must be taken. Heavy



woods or deep thick grasses force the golfer to either play laterally or to take an unplayable lie which is also a one-stroke penalty. A golfer playing from a sand bunker has a chance to recover without losing a stroke, depending upon his skill.

Bunkers are placed at the turning point of a fairway where no natural defense occurs. This forces the golfer to play the hole honestly. The closer he skirts the edge of the bunker with his tee shot while still remaining in the fairway, the better his advantage for the next shot. Golf shots played safely away from the bunkers demand a longer second shot often needed to be played over hazards adjacent to the green or second target area.

Sand bunkers are used to provide direction and definition of the target area, be it a fairway or a green. Bunkers placed on the far side of the fairway visually turn the fairway at the target area and provide a direction line for the golfer off the tee. Placing sand bunkers around the putting surface defines and highlights the target.

(continued on page 4)

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Bunkers are often used to catch errant shots from going out of bounds or into an unplayable situation. Using bunkers in this way will aid the golfer as well as speed up his play.

Regardless of design, bunkers are needed for aesthetics. The contrast of sand against grass and water, or the shadows provided by a deep grass bunker, add to the beauty of a golf course. The beauty of a well-maintained series of sand bunkers are remembered and talked about by the golfer. These conversations between golfers are a form of free advertising for the golf course. A course entirely devoid of bunkers lacks the visual definition which is important in developing the character of a golf course.

Bunker design and construction have many variations. Pot bunkers, pit bunkers, cross bunkers, grass-faced bunkers, and flash bunkers are some of the terms used by architects and builders today.

Pot and pit bunkers are small, rather round, deep bunkers with grass on the banks, and either sand or grass on the bottom. It is difficult to advance a shot from these types of bunkers and they should only be placed adjacent to or close to the greens. From this distance, the golfer can use a lofted iron to escape the hazard.

When using grass bunkers, thought should be given to where the golf shot is intended to land. A deep grass bunker adjacent to a narrow green with water on the far side will practically force the golfer to play laterally. Whereas sand in this same bunker would allow most golfers to control the golf shot and give them the opportunity to aim for the pin. Size of the green, topography and adjacent hazards must be considered when deciding upon the use of either sand or grass.

Cross bunkers are slender long bunkers placed across the line of play either in a fairway or in front of a green. These bunkers demand a heroic type golf shot to obtain the preferred position in the fairway or on the putting surface. At the same time, a safe and longer route is available for the conservative golfer.

The grass-faced bunkers which are common on the older courses have steep grass slopes with sand placed at the base. The steep slopes present on these bunkers were the result of minimal grading operations and inefficient equipment available at the time of their construction.

A commonly used sand bunker is the cape and bay bunker, where sand is placed on constructed mounds and grass is placed

(continued on page 8)

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## Drought Problems Continue to Affect Plantings

by James A. Fizzell

Senior Extension Adviser Horticulture — U of I

It seems that extremes of weather have become the norm in Chicagoland.

For the three summers we have had drought, it was broken only by record floods.

This year most areas are the driest in over 50 years.

Lawns, are probably the most drought-tolerant of all our plantings. While we prefer to see the grass green and fresh, grass will survive drought very nicely by drying up and remaining dormant. When rains come the grass simply resumes growth. Newly laid sod, or new seedlings are the exception and must be watered until firmly established.

Annual flowers are shallowly rooted and will need water every couple of days. If water is in short supply, rather than sprinkling the entire flower bed, give each plant a cup or two of water.

In the vegetable garden, apply water to each plant where possible, and use a mulch to conserve water.

Newly planted trees and shrubs are major investments. Thoroughly soak them every 15 to 20 days to completely wet the soil ball and surrounding soil. Set the hose and let it run slowly under each plant until the water begins to run off.

Many of the problems we are now seeing on established trees and shrubs are due to the alternate drought and flood they have suffered through the past few years.

Shallowly rooted maples, crabapples, pines, and other trees and shrubs in shallow soils have died back or even died completely this spring.

When we dig to look at the roots of these plants, we find that the fine roots, those that absorb water and nutrients, are dead.

Big shrubs and large trees need a lot of water. If your tree wilts, set sprinklers under it and apply an inch and a half of water to the entire area under the branch spread. Put a coffee can under the sprinkler so you know when you have applied enough water. You may need to soak a large tree every three weeks during drought.

If we continue to be dry, even controlled watering of selected plants may be restricted. In this area we are accustomed to having as much water as we need. But when it comes to making the tough choice, water for drinking, sanitation and fire fighting is much more important than a green lawn.

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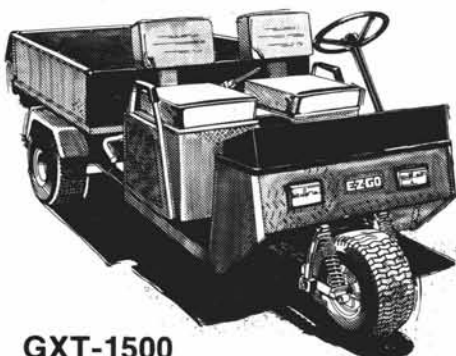
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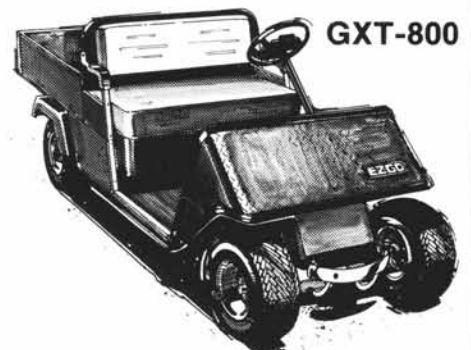
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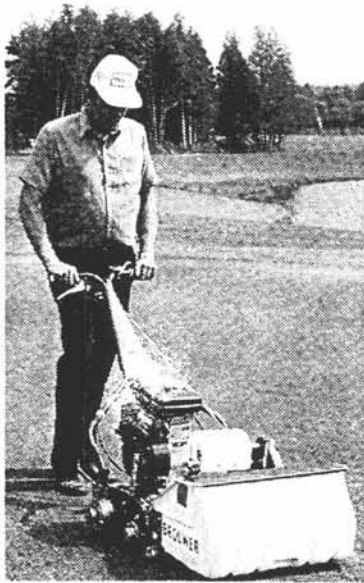


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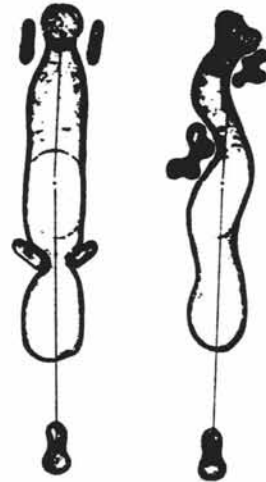
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**BUNKERS** (continued from page 4)

on capes between and below the mounds. By varying the outline of the sand and modifying the heights and widths of both the sand and grass capes, the overall bunker becomes attractive. Some courses have expanded their bunkers and made the curving outlines less pronounced to allow for machine maintenance. As long as the sand is inexpensive, these bunkers are economical to maintain and still are attractive if the other features of the golf course are designed and built in the same size relationship. These bunkers are built slightly into the ground with the adjacent mounds blending into the existing topography. The fairway bunker is built to allow the golfer to exit using a mid or long iron while the bunkers on the green approach area are somewhat deeper, demanding a more lofted iron to be used.

Many of the older golf courses have some bunkers that are obsolete by today's standards, but possess character and distinction. Generally, many of the bunkers penalize the shorter hitter while not affecting the big hitter. The landing area for the tee shot of the average golfer is between 175 and 225 yards. When renovating a golf course, the bunkers short of this area should be removed and replaced with bunkers in the area just beyond a good drive of the short hitter.



The relocation of the fairway bunkers provide an interesting, challenging test for the better golfers and a fairer test for the average players. The location of the bunkers should test the ability of all golfers, the use of the draw and fade, the chance to carry a bunker for better position, or to play short to avoid a hazard and still have an open shot to the green.

The design and construction of any new bunkers on an existing course should resemble the character, if any, of the present bunkers. Character can be developed through unique bunkering design and construction. Proper bunker design will meet criteria of playability, fairness, flexibility, aesthetics, and practicality.

When modernizing the bunker locations on an existing golf course, each golf hole needs to be studied and compared. Similar to new course construction, each hole is designed with variety, but has some unique features that unifies the total golf course.

In any and all bunker design and construction, whether it is new or remodeling work, the ideal solution is taking natural design concepts that were suggested over 200 years ago, and recreating them today for everyone's enjoyment.

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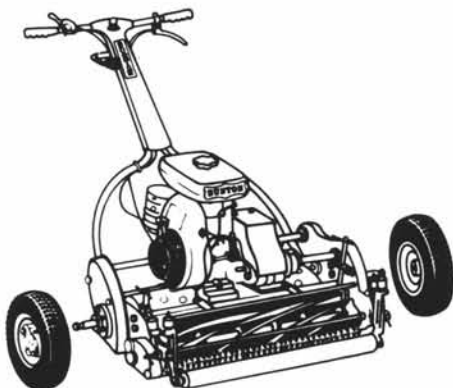
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*Lenny Berg, all smiles with his "Napkin Tie."*

*Photos by Ray Schmitz*

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