

Bruce Company, John Sauer. Graduating in Aug. '97. Dream course is in the wild west.

• **Jamie Johnson**, Tomahawk, WI. *I hope to get a job as an assistant superintendent in the western part of the United States. Maple Bluff CC, Tom Harrison. Graduating in May '98 (Hopefully!!). Dream course is in or near Utah.*

• **Steve Millett**, East Moline, IL. *I am finishing up my Ph.D. and would love to stay in Wisconsin. M.S. Clemson in turf pathology, Turfgrass Disease Diagnostic Lab. No idea of a graduation date. Dream course is in Madison, WI.*

• **Joel Peterson**, Milwaukee, WI. *I have aspirations of someday becoming a head superintendent at a great golf course. New Berlin Hills GC, Jeff Kingsley and Forrest Dean. Graduating in Dec. '97. Dream courses are TPC at Southwind and TPC at Sawgrass.*

• **David Rappold**, Fredonia, WI. *I have been fortunate enough to experience the construction and maintenance of high quality golf courses and plan to continue my affiliation with similar courses. Blackwolf Run, Michael Lee, The Bog, Pat Shaw, Whistling Straights, Michael Lee. Graduating in Dec. '97. Dream course is anywhere.*

• **Nathan Rohde**, McFarland, WI. *I am a people person, I'm on the rowing team and I love to golf. Maple Bluff CC, Tom Harrison. Graduating in four years. Dream course is in the Caribbean.*

• **Raechal E. Sager**, Milwaukee, WI. *After graduation I hope to eventually work as a head groundskeeper at a Major League Stadium. Milwaukee Brewers Baseball Club, Gary Vanden Berg and David Mellor. Graduating in Dec. '98. Dream area is Major League Baseball.*

• **Amy J. Sausen**, De Pere, WI, *I am currently employed by the UW as an outreach Specialist with the Horticulture Dept. My duties include evaluating research plots, assisting county extension agents as a turfgrass specialist, and hosting professional and homeowner educational sessions. Bruce Company, Cherokee CC, Scott*  
(Continued on page 33)



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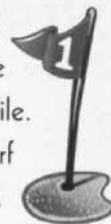
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(Continued from page 31)

Byron Landscaping, Leid's Landscaping. Currently a master's candidate. Dream area is to continue in extension.

• **Doug Schoch**, Glidden, WI. *Honest dedicated worker looking to further pursue my career as a supervisor for a professional athletic field. Milwaukee Brewers Baseball Club, Gary Vanden Berg and David Mellor, Kansas City Royals Baseball Club, George Toma and Mike Matherne, Nakoma CC, Randy Smith. Graduating Dec. '96. Dream area is any professional athletic field.*

• **Bradley A. Smith**, Plymouth, MN. *My current career objective is to become an assistant where I can apply my education and experience. My long term career objective is to become a superintendent of distinction, serving my profession, and earning the respect of my peers. Westmoor CC, Jerry Kershasky, Wayzata CC, Robert Distel, Meadowlark CC, Michael Saffel. Graduating in May '97. Dream course is in the midwest.*

• **Jon D. Thronson**, Edgerton, WI. *I am a hard nosed worker who respects the heritage of our profession. Seeing and playing new courses is always a thrill. I've found my niche! Coachman's Inn GR, Chad Johnson, Blackhawk CC, Monroe Miller, Medinah CC, Danny Quast. Graduating in Dec. '96. Dream course is any historic tour stop.*

• **Scott Wendels**, Fond du Lac, WI. *After graduation I hope to obtain an assistant's job at a championship golf*

*course. I love to play golf and know what the golfer wants on the course. Rolling Meadows GC, John Zahn, Whispering Springs GC, Robert Puddula. Graduating in Dec. '99. Dream course is a championship course in WI.*

• **Tara Zabkowicz**, Menomonee Falls, WI. *I want to continue my education by working on golf courses*  
(Continued on page 35)

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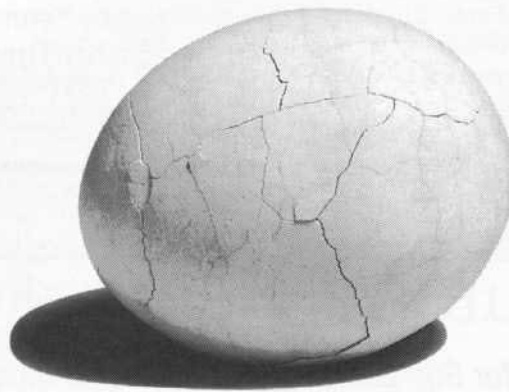
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## Badgers Set Sights on Vegas

This February, students at UW-Madison will be setting a precedent for what they hope will become a tradition. The Badger Turf and Grounds Club has given three students the opportunity to go to the GCSAA conference in Las Vegas.

The President's Travel Award was bestowed to Brad Smith, Tara Zabkowicz and Jon Thronson. The award was created by Mr. Josh Lepine (UW '95, Winged Foot GC) and designed for outstanding upper-class turfies. The funds were generated by donations and fundraising efforts by Mr. Lepine, Mr. Monroe Miller and Dr. Wayne Kussow. Many thanks for your efforts.

In return, the UW will increase its presence at the national to establish Wisconsin as a turf power. In addition, recipients will participate in the collegiate Turfbowl competition against other schools to retain the turf crown held by our own Steve Millett.

## World Wide Turf: Attention Alumni

The BTGC has been on-line for nine months at [www.wisc.edu/plhealthser/turfclub/turfclub.htm](http://www.wisc.edu/plhealthser/turfclub/turfclub.htm). World Wide Turf is a spin-off and intended to be an on-line version of UW turf alumni. The spirit of WWT is to establish a connection between students and professionals for internships, relocation, etc. Any and all alumni are encouraged to respond to: Badger Turf and Grounds Club, 1525 Observatory Drive, Madison, WI, 53706. Letters should include vitals such as work address, phone, email, etc.

Chris Chase and Tim Wegner were not available for biographies; they are, however, on the btgc homepage.

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# *The Hardwater Golf Tournament*

By Monroe S. Miller

Sometime in January, usually either the second or third weekend of the month, quite a number of Wisconsin golf course superintendents head north.

It doesn't seem normal. Most folks in Wisconsin are scheming and planning on a way to head to warmer climes, and that includes a lot of superintendents. The exceptions, of course, are the skiers and the snowmobilers; frequently they have to travel to the colder regions to find snow to suit them. These guys find the cold weather exhilarating and refreshing; it sort of renews them and reinvigorates them for the long summer months on a golf course that lie ahead. They don't even mind the snow. It is not possible to know why they are this way. In the end, a lot of this love of cold and snow is attributed to their genes—northern European and especially Scandinavian heritage. Who really knows?

The period after the Wisconsin Turfgrass EXPO and before the national meetings is pretty dead. To liven things up, a few years ago some guys in the northern part of Wisconsin started an event that is beginning to rival The Longest Golf Hole in the world of Wisconsin golf. It isn't legendary yet, but it seems destined for that status.

The guys head for Lake Mulligan in the north central part of the state and put up in the Lake Mulligan Pine Tree Lodge for the long weekend of the tournament—golf ON Lake Mulligan. It is known far and wide as the Hardwater Golf Championship.

It is interesting that the locals have welcomed the Hardwater Tourney so openly. There is never a dispute when it comes time to lay out the course on Lake Mulligan. All of the people who have ice fishing shanties move them without question, even when one may be parked on a hot spot where the fish are

really biting. The tournament is that important to them and to the community.

"Actually," said the cynical Bogey Calhoun, "the fishermen probably don't want to have their peace, quiet and card games disrupted by golf balls banging into the shanties."

There is a permanent Hardwater Golf Tournament Committee. It is made up of superintendents in the area around Lake Mulligan. John Victor Johnson of Lake Mulligan CC is the general chairman, Carl Arndt is the course architect and builder, Fred Fredriksen handles house responsibilities, Willie Brandt chairs the play and events subcommittee, and Paul Shepherd manages awards. They are all important jobs. Of course, each man has his club or course's blessing since the tourney preparations require the use of some equipment.

Carl's job just might be the most critical. "It is for sure the most fun!" J.V. says every year. Sometime in early fall he formalizes his ideas for a hardwater course and makes a presentation to the whole committee. He's a landscape architect by training and makes a very formal presentation to the guys. Out of necessity, it is a nine-hole course. He begins with an overall drawing of all nine holes and follows with detailed drawings of each hole. He includes elevations of all features, contouring of the course, and pin placements. Designs are water colored by his wife Jill.

It isn't an easy job for Carl. He doesn't have a lot of landscape to work with! Clearly, the greens and tees have to be flat. He tries to compensate, though. Almost every year there is a bannerstone green and the three pars are nearly always narrow greens and diagonal to the direction of play.

Carl's creativity shows in two areas: his interesting routing and lay-

out of the nine holes, and his work with the surrounds.

It is no wonder he brings so much creativity to the Hardwater Tourney. He left a career in golf course design to return home and run the family golf business near Lake Mulligan.

Once J.V.'s committee approves Carl's design, Carl goes to work on implementation as soon as the week before the championship arrives. His finish grading skills are put to the test with the unusual construction medium—snow. Most years, there has been plenty of the white stuff to build the course. Committee members, using 4-wheel drive pickup trucks with snow plows and a few loader tractors, clear the fairways and stockpile the snow in areas designated by Carl.

They follow the surveyor flags which mark the line of the fairways and deposit snow at the green, tee, bunker or mound sites. They work as teams, working on opposite sides the same hole and moving to the middle. The neat piles of snow reminded one

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of piles of topsoil at a golf course construction site that were stripped with a scraper and stockpiled for use after the mass grading and finish grading were done.

The guys cleared the holes in order, and as soon as the first was done, Carl and one of the members of his staff started surveying the green and tee sites, setting grade stakes to guide them when the finish grading began. Occasionally, they weren't able to drive the metal stakes into the ice far enough to stand; Carl would merely paint the spot with water soluble paint.

He stayed close to the plows, finishing fairly close behind them. On the second day, Carl climbed aboard a Bobcat skid loader and went to work shaping the features. It was pure artistry. He quickly transformed snow piles into white, clearly definable golf course features. Some of the tees were elevated, most often the three pars. He sculpted fairway bunkers, always in landing areas for the better players in the Hardwater Championship.

But the real beauty of Carl Arndt's work was around the greens. All the greens were flat, but he gave them incredibly interesting and unique shapes. Arcs and curves were accented and even amplified by totally impressive surrounds.

"Wow!" was often heard as the competitors would see the course for the first time. The mounds were of a scale seldom seen, reminding some of the fifth green surrounds at the Augusta National Golf Club.

The bunkers were scary. Carl would shape and mound them, pack the banks hard with the Bobcat, and fill them with fluffy snow. "Four to six inches," he'd say with a laugh we all could relate to.

"Sand and snow are the same, aren't they?" Bogey Calhoun would ask.

Carl's final touch with the snow bunkers came when he sprayed the fluffy snow with diluted brown colorant, normally used in mulch beds. He had developed a recipe that almost matched the color of most Wisconsin carbonate sand. It was cool, so to speak.

If the sand was cool, then Carl Arndt's greens were nothing less than spectacular. The entire surface was evenly sprayed with water soluble, safe, organic dye—green, of course.

Then, using a ground driven Wheelie sprayer, he striped the greens, giving every other pass the second coat of dye. His crew had a system, using ropes, to mark the exact width of the stripes. When they finished a green, and it didn't take very long, you thought it was the real thing.

Tees were only sprayed once. Using trees kept after Christmas from the Village of Lake Mulligan, he "planted" woody hazards, accents and turning points in the icy landscape.

While Carl and his crew were developing and finishing the course of play, others on the committee were working on the parking lot. It was also neatly and professionally designed, despite its location on the ice of Lake Mulligan. Reserved spots for all the participants were marked, with the public and spectator parking a farther distance from the clubhouse.

Ah, the clubhouse. When the tourney first began, it was merely a large ice fishing shanty, temporarily taken over for the event. But like the tournament, the clubhouse has grown. It is a collection of several buildings connected with vestibules for these couple of days each year.

There is the main room (a dining room), a bar, a card room which also handles the overflow of diners, a coat room (it gets awfully hot inside some years) and a kitchen. Portable restrooms, which are in constant use once the beer is tapped when the last ball drops into the jar on the 9th

green, are a short way from the clubhouse proper.

The winner trophy is coveted by all who participate. It is an old Arnold Palmer golf ball centered in an acrylic block; the block is centered on top of a stainless steel pedestal. The clear plastic, of course, looks like a chunk of ice. Winner names are engraved on the pedestal.

The Hardwater Golf Tournament started as a fun event for Wisconsin golf course superintendents. Somewhere along the line it caught the interest of the local community and grew from there. The tournament now draws attention from golfers throughout the state, and the press from Minneapolis to Traverse City picked it up for stories at one time or another.

There has even been some of the ultimate form of flattery extended to the Hardwater Tourney—copy cat events. But they are, as Carl often says, "strictly amateur hour." The real thing is the ice on Lake Mulligan.

Too often, I think, for reasons of geography or population dynamics or a dozen other poor reasons, the talent and contributions of the guys "up north" are not given their fair and due recognition. In a small way, correcting those oversights may be the best and most good that comes from the Hardwater Golf Tournament.

At least once a year, they are in the limelight and they make the best of it. Even if it is cold. ♣



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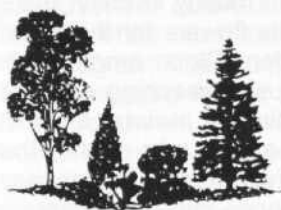
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## Flower Gardens Attract Butterflies, and Butterflies Attract Birds

By Dr. Lois Berg Stack  
Ornamental Horticulture Specialist  
University of Maine Cooperative Extension

If you've worked to encourage wildlife on the golf course, then you've come to appreciate the importance of diversity—diversity of plantings, design, and approaches to management. Perhaps you've enrolled in the Audubon program, planted shrubs that produce fruit for birds throughout the year, hung up bird feeders, and erected bird houses. And you may have posted "no trespassing" signs in areas which threatened birds nest, altered waterways to encourage shoreline feeders, and left snags in wild areas as nesting sites.

There's another thing you can do to attract birds: plant a butterfly garden. Butterflies are beautiful to watch, and they provide excellent food for birds. Since you will plant flower gardens around the course next summer anyway, why not plant flowers that are especially attractive to butterflies? Butterfly gardens have become very popular in the past few years. And even the most serious golfers enjoy pausing for a moment to see a monarch or swallowtail flit by or to watch a bird stalk a caterpillar.

Butterflies have few needs: water, sunlight, protection from wind, and food. Trees and shrubs provide significant sources of food for birds (see "Shrubs for the Golf Course: Beauty and Function for Us, Food and Shelter for Birds" in the September/October 1996 issue of THE GRASS ROOTS), but butterflies prefer herbaceous plants because of their more continuous production of flowers. Free-flowering annuals are excellent butterfly attractants because they produce nectar throughout the summer. Here are fifteen great annuals that do the following:

1. They are good food sources for butterflies. Some of them, like parsley, provide excellent leaf tissue for caterpillars (after all, if there weren't caterpillars, there wouldn't be butterflies). Most of these annuals have flat or open flowers, so that the butter-

flies can access the nectaries with their short mouthparts. These plants also flower most of the summer, providing nectar for butterflies over a period of many weeks.

2. These plants are uniform, predictable, relatively disease-free, and easy to manage. Most of them require very little deadheading (removal of old flowers) in order to produce more flowers. They all perform best in the conditions where you are most likely to plant annuals on the golf course—full sun, and well-drained fertile soil with good water-holding capacity.

3. These annuals are high-quality landscape plants that will put on a good show of color from mid-June through frost.

4. Nearly all of these annuals are readily available in the marketplace. Of course for large plantings you should work with a greenhouse grower to custom-grow for your needs. But even for a last-minute planting next June, you should be able to find many of these plants through a local grower.

### Fifteen Annuals for Butterfly Gardens

"Bloodflower" (*Asclepias curassavica*) is an outstanding and underused annual flower. In past years it was not commonly found in gardens or in garden centers, but more growers produce it now because of the popularity of butterfly gardens. Bloodflower is closely related to common milkweed, so it has milky sap, strong straight stems and flat-topped clusters of small flowers. In fall, it produces the familiar bumpy pods which split open to expose wispy seeds for the wind to disperse. The wild type of bloodflower, which reaches 30" in height, produces mid-to-late summer orange-red flowers, but some gold-colored cultivars like 'Silky Gold' have recently been introduced. I've tried 'Silky Gold' as a cut flower, and

found it to be reliable, uniform, high-yielding and a great host for monarch caterpillars. Actually, I've cheated a bit by including this plant on the list. It does attract great numbers of monarchs, but they won't attract birds. You may be aware that monarchs are distasteful to birds because of the glycosides they accumulate in their bodies by feeding on members of the milkweed genus. Still, monarchs are such beautiful insects that it's worth including this plant in any garden.

"Butterflybush" (*Buddleia x davidii*) is actually a woody plant that reaches a height and width of 3 - 4' each summer. In all but the most protected sites in Wisconsin, it dies back to the ground in fall, and sends forth new shoots each year, thereby functioning much like an herbaceous perennial. In open, cold locations and in northern Wisconsin, it dies in the winter and should be treated as an annual, grown from cuttings. Even where it

(Continued on page 40)

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functions as an annual, it is fairly cost-effective because of the garden space it fills. Butterflybush flowers at the end of the season, producing slender 4 - 8" long clusters of small lilac-like flowers. The color range includes white and a wide range of violets from pale lilac to intense purple. Flower scent is very sweet, and the fragrance wafts through the air on still evenings (plant a few near the clubhouse). Many butterflies feed on butterflybush, and hummingbirds constantly hover over it in late summer.

"Pink Cosmos" (*Cosmos bipinnatus*) is an old-fashioned favorite that can be direct-seeded or transplanted as a seedling. The bushy plants have very fine-textured, fern-like foliage and 3" pink, lavender or white daisy-like flowers. Pink cosmos is a great plant for the background of a border, but it does perform better when deadheaded periodically throughout the summer. The 4-5' height of most cultivars would limit their use on the golf course, but there are a few lower growing types available. For example, 'Sonata' cosmos reaches a height of just 20".

"Annual Blanketflower" (*Gaillardia pulchella*) is an interesting annual. It is a daisy, but its flowers are tubular instead of flat, and they are arranged so that the flower heads form 2" globes of red, yellow, or red-and-yellow. Most perennial gardeners are familiar with the perennial species of blanketflower, but this annual type was not grown much until 1991, when the cultivar 'Red Plume' received an All-America Selections (AAS) award. This cultivar is excellent in a hot summer, forming a loose 12" mound of foliage, and producing an abundance of red flowers on wiry 24" stems. Blanketflower adds an element of movement to the garden as the flowers sway in the breeze, and they make great cut flowers. Occasional deadheading helps keep the plants in color. Annual blanketflower performs best in perfectly drained soil, and it tolerates droughty summer conditions well. Butterflies and hummingbirds hover over blanketflowers all summer.

"Globe Amaranth" (*Gomphrena globosa* and *Gomphrena haageana*) is a popular dried flower, valued for its clover-like flower clusters that are

available in magenta, pink, red and orange. There are white types, but they are a little muddy in color; there are better white flowers for the annual flower garden. Globe amaranth is upright and bushy, reaching a height of 24" with minimal maintenance. It tolerates great drought during the summer. If given space it branches well and produces masses of flowers without deadheading.

Most cultivars of "Lavender" (*Lavandula angustifolia*) are tender perennials, but one cultivar called 'Lady' can be grown as an annual. 'Lady' lavender won a much-deserved AAS award in 1994. It is small, reaching a height of 10 - 12", and it is not reliably hardy as a perennial. Still, as an annual it is delightful. It produces its flowers in August, at a time when there are not many blue-lavender flowers in the garden. During the heat of August, blue is a welcome cool color. The fragrance of the flowers is pleasant not only to us, but to many species of butterflies as well. Even when the plant is not in flower, its narrow gray-green foliage makes a high-quality edging plant for the garden.

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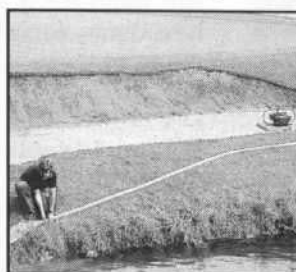


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