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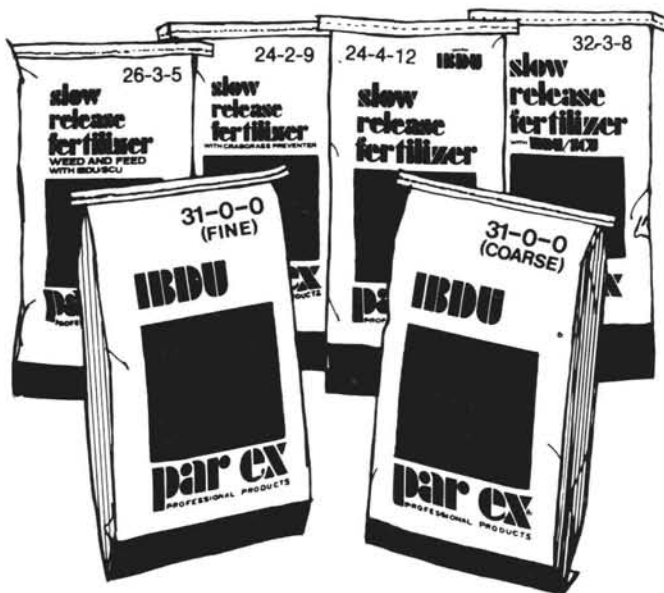
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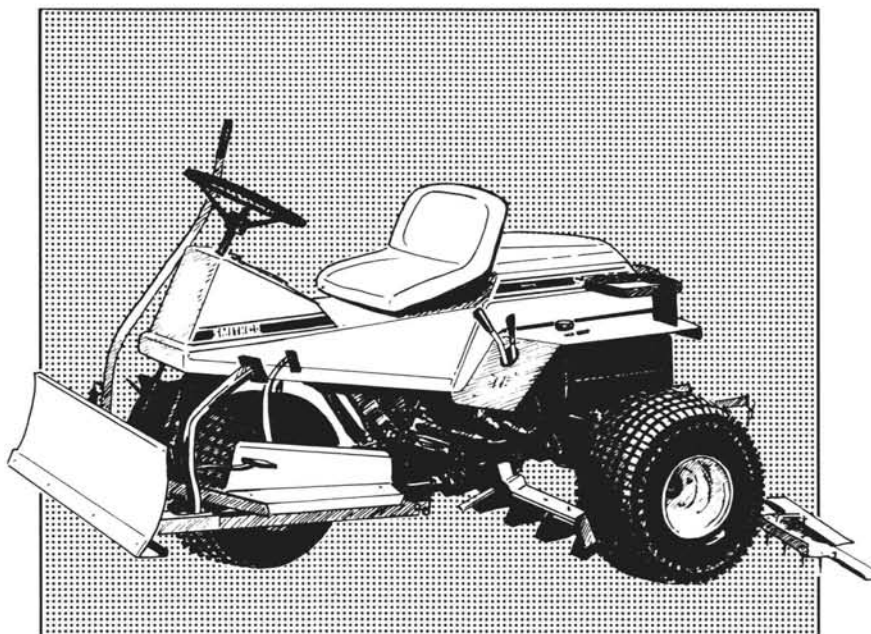
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## Midwest Breezes



## Upcoming Events — Mark Your Calendar

**April 15** — MAGCS monthly meeting at Village Links of Glen Ellyn

**May 20** — Combined Association meeting at Springbrook and Naperbrook C.C.

**June 10** — MAGCS monthly meeting at Naperville C.C.

**July 15** — MAGCS monthly meeting at Golf Club of Illinois

**July 4-7** — Western Open at Dubsdred

**August 12** — MAGCS monthly meeting at Woodmar C.C.

**September** — MAGCS monthly meeting at Ridgemoor C.C.

**November 6** — Midwest Clinic at Medinah C.C.

**December 3-5** — NCTE at Pheasant Run Resort

**January 1992** — Arrowhead Golf Club

**April 1992** — Geneva Golf Club

**June 22, 1992** — River Forest Golf Club

**July 13, 1992** — Briar Ridge Golf Club

**August 1992** — Mt. Prospect Golf Club

**October 1992** — Settlers Hill Golf Club

Looking for an assistant, try: Robert J. Zimmerman, 1243-3 Terry Courts, West Lafayette, IN 47906 (317) 495-9715. His GPA is 5.1/6.0 at Purdue.

The Musser Turfgrass Foundation 1991 Scholarship winner is James E. Bond of the University of Tennessee.

Be sure you find your MAGCS Logo window decal. It was inserted in this month's issue.

Next month look for a post card to fill out, it will be asking you questions concerning "your" newsletter. Be sure to answer the questions and mail it.

The March meeting at Nordic Hills C.C. again drew a large crowd. Bob Graunke of Eagle Ridge, gave an excellent presentation on the "Employees Right to Know". Bob gave out forms that could be copied to help a club meet the requirements needed.

Musical chairs are still swinging. Courses open and looking for a superintendent as of March 22 are: Palatine G.C., Rolling Green C.C., Village Green of Woodridge, and Crystal Tree. Congratulations to Brian Bossert on taking Bryn Mawr C.C., Steve Van Acker going to Crystal Lake C.C., Steve Jump went to Antioch C.C., Shawn Creed from assistant at Butterfield to Superintendent at Oakbrook G.C. I apologize if I missed some and I'm sure I did.

Edwin Wollenberg, retired superintendent from Gary C.C., past president of the MAGCS and a frequent editorial columnist of this newsletter is in serious health. Please send Ed a card, address to: 11 Choate Rd., Park Forest, IL 60466. If you would like, give him a call at (708) 747-0900. Remember to keep Ed in your prayers.

Assistant Needed: Call Kerry Blatteau at the Woodmar C.C., 219/844-0330; and Brian Bossert at Bryn Mawr, 708/677-4112.

Gardener or Horticulturist Needed: Call Fernando at Green Acres C.C., 708/291-2232.

Rich Daly of Chicago Turf and Irrigation was honored during the GCSAA show in Las Vegas as the outstanding salesperson for the Otterbine distributors. This was the second year in a row that CTI received this honor.

## "April Chores"

As April ardently Drums a new Tune,  
And a New Season comes to find room,  
To flourish and present Green Leaves and Grass,  
And make Ice and Snow a part of the past.  
Quite an awakening April brings,  
Even thoughts of a better Golf Swing.  
April brings Magic to the Out-doors,  
It's a pleasure to help with the Chores.

Kenneth R. Zanzig

## MAGCS Hospitality Room — Las Vegas

The Midwest Association of Golf Course Superintendents gratefully acknowledges the generous support of the hospitality room sponsors in Las Vegas. The collective sustenance of this fine group of MAGCS supporters provided the resources necessary to fund so fine an effort. The sponsoring individuals and firms deserve not only the cumulative gratitude of the MAGCS; they deserve your expressions of individual gratitude as well. Without the allied participation of these dedicated sponsors, the MAGCS would be hard pressed to provide such a fine environment for social and professional activities at any GCSAA Conference. The Board of Directors and the entire membership of the Midwest Association of Golf Course Superintendents wish to thank the following for their participation:

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## Las Vegas Hospitality Room Photos

by Ray Schmitz



*President Bruce Williams and Roxanne*



*Rennie Jacobsen, Steve Crowe (I thought Steve looked this way going down "Lost Paddle") and Brian Bossert*



*Rick Wilson, Dave Berhman, Art Benson, Don Ferrari*



*Roger and a very happy GCSAA Director, Bruce Williams*



*Kevin DeRoo, Joel Purpur, Dave Blomquist, Renny Jacobsen, Dave Berhman, Roger Stewart*



*Dave & Penny Meyer with Jan Schmitz*



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**Winter Temperature Variations Leave  
 Plants Susceptible to Cankers**

Schoeneweiss D.F.

**J. of Arboriculture Vol. 15, No. 19, 1989**

Popular belief says the culprit behind severe winter injury to woody landscape plants is prolonged cold weather. However, most winter stress and injury is due to sudden temperature changes (often associated with passing cold fronts) rather than deep cold spells. Much, if not most, winter injury follows rapid radical temperature drops to below-freezing levels following extended mild fall weather. This is why extensive "winter" damage can appear following a warmer-than-average winter. To complicate diagnosis, however, such injury does not usually become apparent until after buds break the following spring — when the previous fall's freeze has been forgotten. In many cases, the sensitivity of a plant part to low temperatures limits the plant's geographic or economic use. For example, temperatures drop low enough in many northern regions to kill a peach or plum's flower buds without affecting the rest of the tree. In general, however, very low temperatures are much less important to a landscape plant's survival than a rapid and severe variation in temperature.

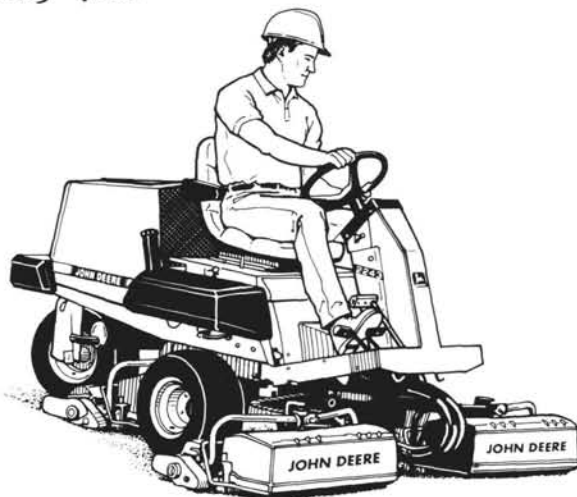
*Nursery Notes, Oct. 1989*

*Ohio Cooperative Extension Service*

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## Gravel Storage Bins Made Easy

by Tony Rzadzki, Asst. Supt.  
Cantigny Golf Club

Every golf course has this problem. Where can I store my sand, soil, gravel, peat moss, limestone screenings, etc., etc., etc.

Every golf course deals with this problem in a different way. Some of us have timber bins, some have cinder block wall bins. Some of us just pile our wares in a readily accessible location. This is fine, but it's always hard to get that last bucketful of material when you have nothing to push it against.

We decided to build our bins out of 2' x 8' x 2' cement blocks. This is not an original idea, but it is a simple, everlasting, and fairly economical way to build material storage bins.

The 2' x 8' x 2' performed blocks actually are 'over pours' made of leftover cement from trucks that do not complete dumping their loads at a construction site. For these rather inexpensive and almost immovable blocks we paid \$35 each, delivered and installed in place.

Our four stall storage area is 72' long and 16' deep. It took 38 blocks to complete the project: \$1330 may be a lot of money, but these are immovable blocks that will never deteriorate.

I have seen beautiful material storage bins made of heavy timbers and superbly constructed. But lumber is lumber, it does rot. Wolmanized, creosote timbers, and cedar logs do have a much longer life span; but none of these timbers can stand up to some loco cowboy ramming the #5%\* out of your gravel pile with a front end loader. Timbers do crack and break. Concrete is concrete.

To beef up our storage facility a bit more I felt that the floor needed to be as strong as the walls. So we made the floor of poured concrete. If you build bins like these you can use any type of paving material for a floor, or none at all to cut down on costs. We felt that we would like to make our bins as permanent as possible and not lose our floor to the ravages of the front end loader, so we invested the extra money.

The foundation I dug to 12 inches. For the bottom layer I used 4" shot rock. I needed approximately 20 tons at a cost of \$8.80/ton to cover my 1152 square foot base. Above the base layer of shot rock I put in 4" of gravel to get me within 4" of grade. We paid \$12.60 for 16 yards of #2 gravel. The total cost of the gravel we used was \$377.60.

Before pouring the concrete I had the 2' x 8' x 2' blocks placed. The blocks sit on the gravel 4" lower than grade so that the poured concrete could form around the blocks and hold them in place. Now the crazy caballero can't nudge them either. We used approximately 12 yards of concrete for our floor. This cost us \$600.00. I also threw in some metal reinforced screening that we had laying around for a little extra insurance.

For my simple, unoriginal, everlasting, and 'fairly economical' gravel storage bins we paid a grand total of \$2,307.60. Labor costs were nothing because Cantigny pays me anyway, whether I build gravel bins or supervise the crew. Again, this may be a grand amount of money just for storage bins, but they should never move out of place.

We are very pleased with results that we have had with our storage bins. They serve our needs well and we are very happy that we spent the extra money to make them as permanent as possible.

(Photos on page 20)

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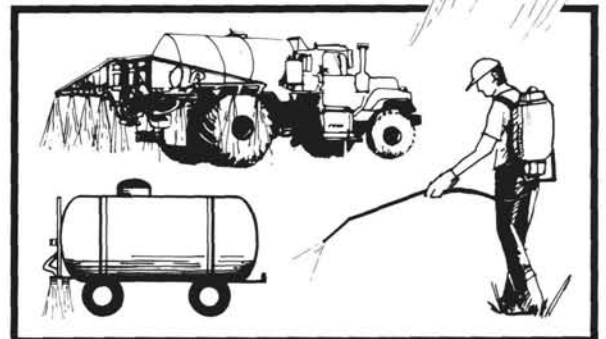
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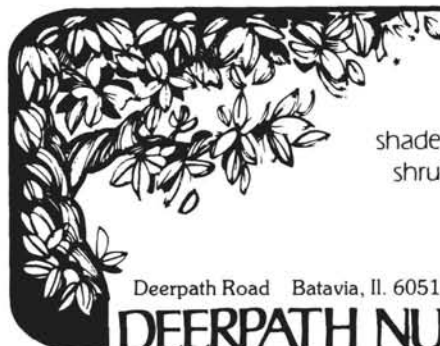
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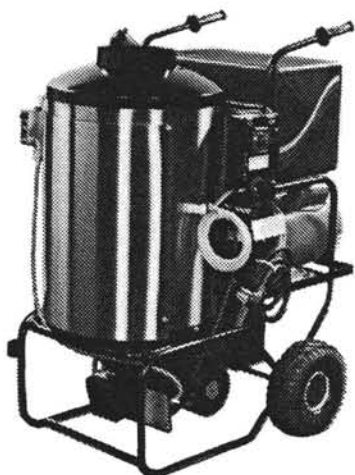
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## Florida, California Lead Continuing Surge in U.S. Golf Course Construction

JUPITER, Fla. — According to the National Golf Foundation's latest research, the surge in golf course construction activity that began three years ago in the United States continues at a steady pace.

And once again, Florida and California are leading the way.

Each year, the NGF tracks golf course development activity across the U.S. In so doing, it identifies three categories of projects: courses that have opened for play, courses that are under construction, and courses in the planning stage. At the end of 1990, the NGF was tracking a total of 1,630 projects, compared to 1,356 projects at the end of 1989.

The final 1990 tally shows that 289 courses opened for play ... one short of the 290 that opened in 1989. In 1988, the total was 211. Prior to that, the nation was averaging less than 150 course openings per year.

The possibility of high activity continuing into 1991 appears good, given the fact that at 1990 year-end a total of 560 courses were under construction. This is a significant increase over the 463 that were under construction at the end of 1989. Also, the number of courses in planning rose from 603 to 781.

In its annual count, the NGF tracks both new courses and expansions of existing courses. The 289 courses that opened for play in 1990 break down as follows:

New courses (9 or 18 holes).....	206
Expansions (9 or more holes).....	83

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