

BRIEFS



N.C. TURF SCHOLARSHIPS AWARDED

Seven North Carolina turf students have been awarded scholarships from the Turfgrass Council of North Carolina for the 1996-97 school year. Re-



ceiving scholarships totaling \$2,500 were North Carolina State University students Christopher

Connors and David Bradley. Peter Joe and Thomas Allen Riggan Jr. were chosen from Brunswick Community College. Henry Wayne Caddell, William Daniels III and Thomas David Minowicz were chosen from Catawba Valley Community College. They are all in the final year of their education.

UMASS SCHOOL TARGETS IPM

MARLBORO, Mass. — The University of Massachusetts Extension Service will conduct its Green School in January and February, providing training in horticulture fundamentals and their relationship to environmental quality. Integrated Pest Management will be the curriculum foundation. Classes will be conducted on various Tuesdays and Fridays at Royal Plaza Hotel & Trade Center. Students must apply by Dec. 1. Call Kathleen Carroll at 413-545-0895.

MID-AM 'ADVANCEMENT' SEMINAR

CHICAGO — The Mid-America Horticultural Trade Show will present a management seminar, "Habits for Enhancing Personal and Professional Effectiveness," Jan. 17, here at the Navy Pier. The seminar is aimed at executives, top- and middle-level management personnel, and key employees who may be moving toward positions of greater responsibility. The seminar registration fee is \$20. For more information, call 847-526-2010.

SUMMER JOBS TO BE LISTED

CARLISLE, Pa. — Ferrell's Jobs In Horticulture (FJIH), a twice-monthly newspaper, has announced a new service for employers



Jack Ferrell

who seek summer workers and job seekers looking for summer positions. Publisher Jack Ferrell said an insert will be included in the 2nd issue each month

from December until April. It will list employers offering summer employment. For information, write Summer Employment Insert, 8 Terri Dr., Carlisle, Pa. 17013-9295; or call 1-800-428-2474.

MECHANICS' CORNER

Inform uninformed of winter chores

By GLENN PETERS

In the years that I have worked as a golf course equipment technician, people always ask me: "What do you do all winter?" This is the question I am asked most frequently, both by people who play the game and those who seem to think that there couldn't be very much to do once the temperature drops and the snow flies.

What follows is a brief synopsis of what happens at the Sunset Ridge Country Club maintenance facility during the winter months.

First and foremost, I prioritize what equipment will be worked on and in what order. Once this is done, the work begins with a visual inspection of each machine for obvious problems and, then, a thorough pressure washing is done. Hoods, fenders and body panels are removed to clear any accumulation of grass and dirt.

The most important aspect of our maintenance program, which affects

NEW COLUMN

This is the first of a new column, Mechanics' Corner, dealing with innovations in golf course equipment mechanical work. The following article appeared in the Sunset Ridge Country Club (Northbrook, Ill.) newsletter to inform members that the well-conditioned course they enjoyed during the summer was due, in large part, to the work done during the winter, according to Equipment Manager Glenn Peters.

both course playability and condition, is the sharpening of the cutting units.

All cutting units, from greens to rough, are sharpened during winter maintenance. Oil changes, lubrication, tune-ups and overhauls are performed at this time as well. As the maintenance on each piece of equipment is completed, it is inspected again and then waxed. Waxing of turf equip-

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Some of the damage caused by vandals at Bretwood Golf Course in Keene, N.H.

Courses battle plague of vandals

By MARCIA PASSOS DUFFY

KEENE, N.H. — Early one morning this September at Bretwood Golf Course here, Thomas Barrett saw something that would cause any superintendent's heart to sink: scarred greens.

Joy riders had stolen golf cars during the night and had spun "doughnuts" on the 9th and 10th greens at Bretwood's 36-hole public golf course. One golf car was in the Ashuelot River; another had a broken axle.

"It was frustrating... We work so hard all year long to keep the greens looking good," said Barrett, who is part of the 30-year-old family-run business.

Two mornings later, the vandals were caught — red-handed — doing more damage. Keene police arrested five people, including two juvenile girls, on the golf course. But the damage they left behind totaled about \$1,800 to the golf cars and about \$7,000 to the greens.

Barrett's story is not unusual. Many golf club owners and superintendents have their courses vandalized at least once a season.

"Vandalism to golf courses has been around as long as golf courses have been around," said Bruce Williams, president of the Golf Course Superintendents Association of America and superintendent at Bob O'Link Golf Club, an 18-hole private club in Highland Park, Ill.

Like other superintendents, Williams, who has worked at Bob O'Link for 20 years, has his own horror stories to tell. "People have poured gasoline on greens and tried to light it on fire... They've driven cars on the course and knocked over trees. People steal flags and signs. Our halfway house was burned to the ground. Once our

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SUPER — BY DESIGN

BRAINERD, Minn. — The Classic, an 18-hole championship golf course created at Madden's on Gull Lake in Brainerd, Minn., was designed by Madden's long-time superintendent Scott Hoffmann. See story, page 28.

Q & A Engelke: Continuing Texas A&M's pioneering character

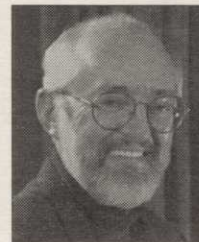
Golf Course News: Could you review your recent work with new strains of creeping bentgrass, both those that have been released and those we can expect to see in the future?

Milt Engelke: The Texas A&M bentgrass breeding program was initiated in 1985 with support from the United States Golf Association and Bentgrass Research, Inc. (Fort Worth), with the primary emphasis of targeting physiological mechanisms of heat tolerance and superior disease resistance within creeping bentgrasses.

Management practices center on the lack of heat tolerance, which is partly due to the lack of root persistence during stress periods. The root is obviously im-

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Dr. Milt Engelke is project manager of the Turfgrass Breeding, Genetics and Management Program at Texas A&M University, where his major emphasis is developing turfgrass for the arid and semi-arid regions of the South and Southwest. He released Prairie buffalograss in 1989 (the first turf-type buffalograss), three strains of creeping bentgrass (Cato, Crenshaw and Mariner) and four strains of zoysiagrass (Palisades, Crowne, Cavalier and Diamond). Engelke earned his PhD in plant breeding from the University of Wisconsin/Madison in 1974 and received the Golf Course Superintendents Association of America Distinguished Service Award in 1994.



Dr. Milt Engelke

Mechanics' Corner: Educate the masses

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program does not sound time-consuming, it is.

It takes me and four other men helping to complete the work in time for the upcoming golf season. So, as the 1996 golf season approaches, the membership at Sunset Ridge Country Club can be sure that the maintenance facility will be ready, even if the weather isn't.

Although this maintenance

program does not sound time-consuming, it is. It takes me and four other men helping to complete the work in time for the upcoming golf season. So, as the 1996 golf season approaches, the membership at Sunset Ridge Country Club can be sure that the maintenance facility will be ready, even if the weather isn't.

MALOY JOINS GREEN SECTION MID-CONTINENT REGION

Brian Maloy, the construction superintendent during a recent renovation of Great Southwest Golf Course in Grand Prairie, Texas, has joined the U.S. Golf Association Green Section as an agronomist. He will work with Mid-Continent Region Director Paul Vermeulen, who left an agronomist's post in the Western Region to succeed Jim Moore. Moore is director of the newly created Construction Education Program. A superintendent for 10 years, Maloy worked at Indian Creek Golf Course in Carillon, Texas, and Oakridge Country Club in Garland, Texas. He holds bachelor's degrees in agronomy and horticulture and a master's in horticulture from Iowa State University.

Q&A: Engelke

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One problem is, we don't retire old varieties. We just add more. Competition is healthy and ultimately provides greater choice, a real plus for the consumer as long as the consumer is properly informed.

The USGA initiated Green Section Research in 1982 and began intensely funding breeding programs. With the exception of Penn State, little effort had been made in golf turf development. Efforts by the University of Arizona, University of Rhode Island and Washington State University yielded improved bentgrasses — SR1020, Providence and Putter, respectively. Most of the breeding effort in creeping bentgrass was an aside to the primary mission of their programs and consequently very little support was available for timely or rapid advancement.

GCN: Where can we expect to see the greatest advances in turfgrass research in the next 10 to 20 years?

ME: Biotechnology will play an even more important role in the development and advancement of new turfgrasses, although it will be somewhat hampered in the short term due to restrictions on the exchange of genes and germplasm resources. In the long term, we will be able to transfer desirable genes across plant species to accelerate the development process. The turf industry will likely face many challenges due to the self-interest of selected user groups. We have already seen major efforts to restrict turf use in many Southern cities because of the perception turf consumes too much water. Educational efforts are needed to promote turf as the "glue" that unites the environment and helps keep it intact.

GCN: Do the golf-related associations do a good job of allocating their research dollars?

ME: The USGA, GCSAA and similar organizations have funded research for decades, mostly in small grants to numerous individuals and institutions. Unfortunately, most of these dollars were only supplemental or generally of a minor nature, meaning a significant piece of research was seldom accomplished. With the advent of the USGA Green Section research effort, the number of grants were significantly reduced. However, the level of funding substantially increased, enabling serious research efforts be put forth in fewer but significant areas.

The initial emphasis targeted breeding (which requires a long-term effort with significant funding) along with understanding the physiological development and performance of grasses under stress conditions. The shift in attitude enabled the industry to substantially improve varieties and management strategies because funding was consolidated into significant and continually accountable grants.

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