Chemical Update
In the News: Relative toxicity; GCSAA working with EPA; 2,4-D cleared; Nemacure restricted

Mollusk Menace
Zebra mussels move into Southern waters, leaving a trail of clogged irrigation systems behind

Steps for Winter Prep
A GCN special report focuses on maintaining healthy turf in the face of winter kill & snow mold

Practitioners cite success with ceramics
By MARK LESLIE
Arnold Palmer, who wants nothing but the best for his home course, has taken the plunge with porous ceramics. Old buddy Gary Player has, too. And arguably the most agronomically knowledgeable golf course architect, Phil-car-rying Michael Hurdzan, has been an engineer on the putting-green-sans-peat train for years.

Now, even as the debate over organics-vs-ceramics in greens mixes boils in the golf industry, more superintendents, architects and builders are venturing into the world of custom-designed root zones.

"I think there is no question porous ceramics have physical characteristics that can be used to amend a sand to
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Private clubs suffer under new tax code
By PETER BLAIS
ALEXANDRIA, Va. — More than a quarter of the nation's private golf clubs experienced a drop in membership sales and one-third reported a decline in gross food and beverage revenues one year after the federal government eliminated the income-tax deductibility for club dues and reduced deductions for business entertainment, according to a National Club Association (NCA) study.

The Government Relations Education Fund surveyed NCA-member city and golf and country clubs to determine what economic changes they had experienced since 1993,
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Par-3 development gains popularity, viability
By PETER BLAIS
New golfers need a place to learn the game. Developers can't find reasonably priced land for larger facilities. The solution: Build more par-3 golf courses. That's just what's happening as the shorter layouts
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Public-access boom pushing existing courses to upgrade
By J.BARRY MOTHES
ORLANDO — Upgrade. Upgrade. Upgrade. Get used to that word. It just might be the golf industry mantra for the rest of the decade, and into the 21st century. Consider the following items from less than a week's worth of national news clippings:
• A $2.3 million upgrade is ongoing at the Salishan Golf Links, a 30-year-old resort course in Gleneden Beach, Ore. Holes have been remediated, a new irrigation and drainage system is being installed, and an 18-hole putting course is planned.
• The 27-hole, daily-fee Galloping Hill Golf Course in Union, N.J., opened in 1928, has embarked on a $4.8 million upgrade that includes a new automated sprinkler system, fairway reconstruction, new tees and greens, and new cart paths.
• The Golf Course Com-
Par-3s
Continued from page 1
and other features, like wetlands. And it would be attracted to the new courses it anticipated that many beginning golfers would be interested in the new courses.

The Mississippi state park system anticipated that many beginning golfers would be interested in the new courses.

Par-3 layouts are hot items in the Waterloo, Iowa area. The city Parks Department is planning a new nine-hole, par-3 track adjacent to its South Hills regulation-length layout. Nearby Cedar Falls hopes to do the same at Pheasant Ridge.

"Our courses are full and some groups are starting to feel uptight about getting on them," said Waterloo Golf Course Coordinator Dean Fagerland. "We realize such a facility could be a major benefit for our beginner, junior and senior golf outings."

Waterloo Park Planner Bill Bachman, a professionally trained landscape architect, will likely design South Hills' new holes. The Parks Board has expressed interest in the project and Fagerland hopes it will approve the proposal this fall allowing construction to begin next spring.

"There are other par-3s around," Fagerland said. "But most just head out from the clubhouse, turn around and come back. Not much thought was given to their design. This will be a first-class, par-3 with well-designed holes."

Overcoming the pitch-and-putt mentality many people have regarding par-3s is one of the biggest obstacles to their development, agreed Fagerland and others.

The city of Waterloo's nine-hole par-3 course sits level at 34 inches or can be raised to any height up to 65 inches high—with one simple control lever. This great feature allows operators to load top dressers, fertilizer spreaders, utility vehicles, etc., in only seconds...no wasted travel and unnecessary wear on your equipment, no labour—no sweat.

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It's the only answer for back-filling drainage ditches, building tees and greens, filling/maintaining traps and bunkers. It's also great for building flower beds and completing a variety of landscaping jobs, etc.

"Life is GREAT! for a rapidly growing number of golf course superintendents all over North America and Asia... according to those fortunate enough to own one (or two) of the new MH-400's from Ty-Crop."

The 4 Cubic Yard MH-400 is no ordinary dump trailer. It took over three years and cooperation from hundreds of your peers to perfect.

In fact, you may have thought of something similar yourself...many have over the last 30 years.

Chances are pretty good the MH-400 is unlike anything that you have ever seen—and well worth the wait.

Coore, Crenshaw on board in Georgia
CUSCOWILLA, Ga.—Bill Coore and Ben Crenshaw have been selected to design an 18-hole championship course on Lake Oconee here—their first significant design work in the Southeast.

The newest golf community in the Lake Oconee area, Cuscowilla is the vision of entrepreneurs William M. Harrington, Peter Bailey and German businessmen Heinz Wilhelm-Nathe and Michael Huber.

Crenshaw and Coore plan to create a golf course based on the principle that strategic golf is the most rewarding and enjoyable style of play. It will ramble naturally over 600 acres of rolling countryside blessed with stands of hybrid pines, fertile meadow lands and 6-1/2 miles of Lake Oconee shoreline. According to Coore, the Cuscowilla site lends itself to the construction of a variety of wonderful holes.

Cuscowilla's master plan provides for a limited number of home sites and cottages, most of which are lake-oriented.