

GOLF COURSE NEWS

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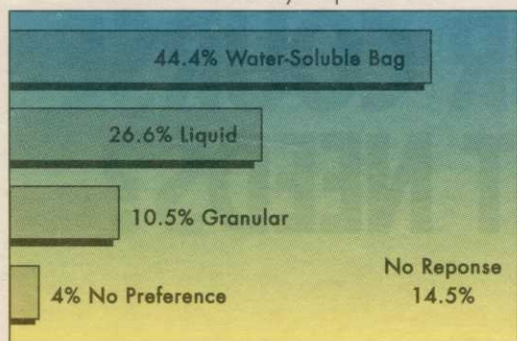
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The American Cyanamid Co. recently polled 125 superintendents on consumer preferences, EPA regulation, environmental activism and other maintenance issues. Their answers appear on page 31.

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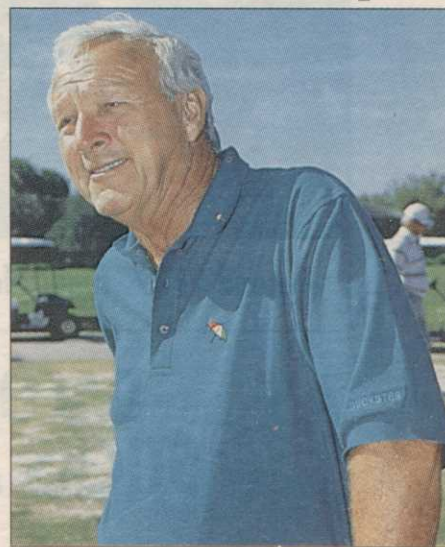
By HAL PHILLIPS

ORLANDO — Arnold Palmer, golfing legend and principal of Palmer Course Design, heads an array of influential speakers scheduled to impart their knowledge at Golf Course Expo, Nov. 11-12, here at the Orange County Convention Center.

Sponsored by *Golf Course News*, Golf Course Expo is a trade show and education conference designed specifically for superintendents, owners, managers and developers of public-access golf facilities: daily-fee, municipal, semi-private and resort.

Golf Course Expo will feature more than 150 companies, highlighting displays and demonstrations spanning 66,000 square feet of exhibit space. Also taking place on the show floor will be Shop Talks, vendor-sponsored technical and demonstration sessions right on the floor. The Palmer keynote, the trade show and Shop Talks are free to all Expo attendees.

"We are delighted, of course, that Mr. Palmer has chosen to speak at Golf Course



Arnold Palmer

Expo," said Charles von Brecht, publisher of *Golf Course News*. "He and the people at Palmer Course Design understand, as we do, that public-access golf is where the action is, so to speak. Over the last five years, 80 percent of the record course openings have been municipal, daily-fee or re-

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GOLF COURSE EXPO

ORANGE COUNTY CONVENTION CENTER
ORLANDO, FLORIDA
NOVEMBER 11-12, 1994

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Brauer's Minn. project awaits court resolution

By HAL PHILLIPS

BIWABIK, Minn. — Neighboring Michigan may have its Homestead project, stalled and wrapped tightly in bureaucratic red tape. But Minnesota has a bogged-down, high-profile golf course development of its own, right here, and architect Jeffrey Brauer is caught in the flypaper.

"I might be overstating it to say it's like the Homestead," said Brauer, president of Dallas-based Golfscapes, Inc. "But this golf course has taken a tortured path toward approval... The worst of it is, no one is trying to sneak anything by

Continued on page 26



After the dormant bermudagrass is scalped at LaQuinta (Calif.) Country Club, maintenance crews vacuum the debris in preparation for overseeding.

Seed companies re-think the rye market

By MARK LESLIE

The term "high-volume, low-profit" might fit no other product better than perennial ryegrass—the choice of many for overseeding.

"People lust after this business for the volume. But it's very low-profit," said Steve Tubbs, vice president of Turf Merchants of Tangent, Ore.

"It's important to the industry in the fact there is a lot of seed used," said Tom Stanley, marketing manager at Turf Seed in Hubbard, Ore. "However, when you look at the dollars involved, it's not very important.

Then why get involved?

"That's a good question," Stanley said, "and I think it's a question a lot of Oregon seed companies are asking themselves. This year the trend continues from the last several years. We've seen declining prices and increased production.

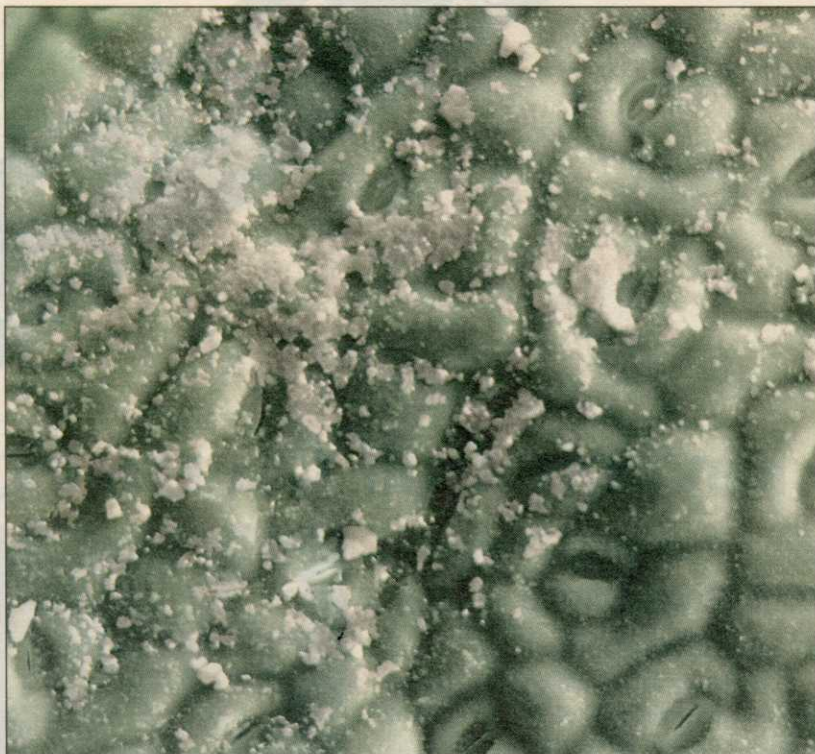
"Everybody wants a piece of the overseeding market. It's big. A lot of distributors think it's glamorous. And it's a way to dump overproduction into a market that's not going to hurt them in other regions of the country."

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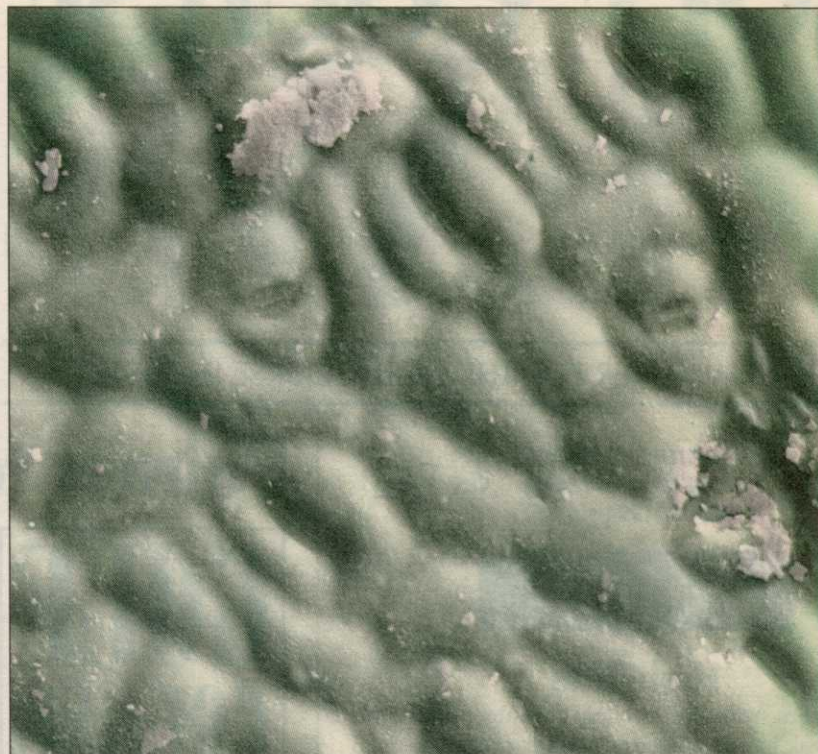
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Roll With It!
The greens roller makes a comeback, page 20

Focus on
Overseeding
Page 11



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NEWS IN BRIEF

BUCK LAKE, Miss. — An 18-hole golf course will accompany first-phase construction of a \$700 million casino resort here in north Tunica County, about 18 miles south of Memphis, Tenn. With its favorable ruling on behalf of BL Development Co. — a firm jointly owned by Grand Casinos and Gaming Corp. of America — the Mississippi Gaming Commission has cleared the way for 3,300 slot machines, 150 table games and two hotels totaling 900 rooms.

• • •

STEAMBOAT SPRINGS, Colo. — Preliminary drawings for an 18-hole municipal course here should be ready by mid-August. Architect Keith Foster is developing the plans for the city. A referendum is scheduled for November when voters decide whether to approve a bond issue to finance the course. If the bond issue is approved, construction of the regulation-length layout could begin next spring. The Renizon Corp., an Englewood, Colo.-based golf-advisory firm, is assisting the city with the project.

• • •

PIERRE, S.D. — Construction is underway on the Dunes Golf Complex near Fort Pierre. The facility includes a nine-hole executive course, driving range, clubhouse and housing development along the Missouri River. The range should open in the spring and the course by early summer. Developer Tipp Hamilton designed the course.

• • •

SOUTHAMPTON, N.Y. — Developer Robert Rubin plans to build two 18-hole golf courses and an unspecified number of homes on 521 acres overlooking Peconic Bay. Rees Jones will design the two layouts, one public and one private. Construction could begin as early as next spring. The site is home to an automobile racetrack. Rubin bought the property at an auction two years ago. He had planned to continue it as a race-track, but ran into significant opposition.

**EXPLOSIVE BACKDROP?**

Mount St. Helens, the dormant volcano that blew its top in 1986, provides the backdrop for Washington state's newest golf facility, Tri-Mountain Golf Course, named for its clear-day vistas of Mounts St. Helens, Hood and Adams. This William G. Robinson design, located in the southern Washington town of Ridgefield, opened for play July 1.

TEEN FELLE BY ON-COURSE TEMPER TANTRUM

GLOVERSVILLE, N.Y. — A teenager who slammed his golf club against a bench in frustration over a bad shot was killed when the three-wood's sharp, broken shaft snapped back and pierced his heart. Jeremy Brenno, 16, was playing golf with friends at Kingsboro Golf Club here on Saturday, July 9, when he struck the bench near the sixth tee. The broken club shaft struck him in the chest and the youth was pronounced dead at an area hospital three hours later, according to the Fulton County Sheriff's office.

Georgia flood waters ravage area courses

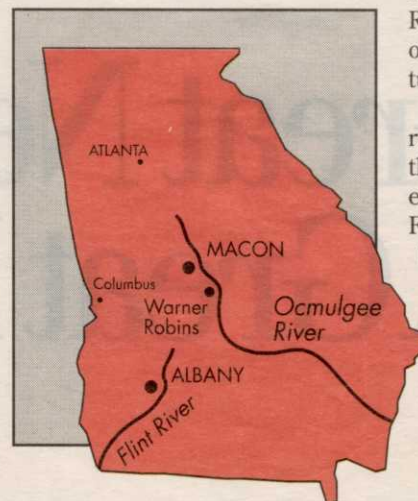
Macon, Albany regions the hardest hit

By PETER BLAIS

ALBANY, Ga. — Golf courses along the Flint and Ocmulgee rivers suffered damage ranging from extensive to minor from the 500-year flood that ravaged southern Georgia in early July.

Those bordering the Flint, particularly near Albany in southwestern Georgia, were hit particularly hard, with several courses still underwater a week after the worst of the flooding occurred.

Water lapped at the roof and the tops of at least two flagsticks at Radium Country Club, according to Darren Garner, assistant pro at Double Gate Country Club, located on higher ground 20 miles from Radium. Calls to the Radium course and course officials had not been returned by press time.



An employee at the city recreation department said the staff had been unable to evaluate damage at Turner Field Municipal Golf Course because high water made it impossible to reach the facility.

Calls to the American Legion Golf Course and various Legion posts were not answered. Garner reported that large parts of that facility were also underwater.

Courses along the Ocmulgee in the central part of the state fared better and should bounce back with little permanent turf damage, according to United States Golf Association Green Section agronomist Pat O'Brien.

"The big problem is cleaning the mud left on the turf when the creeks rise," said Pat O'Brien, director of the USGA's Southeast region. "Most courses will hose the mud off and be back in business. And that bermudagrass will grow back, especially when we start getting some of those 90-degree days in a month or so."

Six of the 27 holes at The Landing's Golf Club in Warner Robins were underwater for several days. Waist-high water covered holes 3 through 7 on the new Creek 9 while the entire 4th hole on the Tressel 9 suffered a similar fate.

"It looked like the Ocmulgee River out there," said maintenance worker Jeff Shaw, comparing the flooded fairways to the river that

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CIRCLE #102

Early notification called key to approval of new Lake Michigan layout

By PETER BLAIS

PETOSKEY, Mich. — Approaching every organization and government agency to identify their potential concerns about Bay Harbor early in the planning process was the key to gaining approval for the potentially spectacular golf course community along the shores of northern Lake Michigan, according to one of the developers.

"Our idea was to find out everyone's concerns beforehand,"

CMS Land Co. President Rodger Kershner said.

"We contacted the local governments, state Department of Natural Resources and local environmental groups before we put pencil to paper. We wanted to find out what they were interested in and what they would not negotiate on. Then we built our plan around their requirements."

Their plans, which were approved by DNR and the state attorney general July 11, include a

27-hole Art Hills-designed course, 500-slip marina, yacht club, hotel, shopping center and 1,000 home sites.

Construction on the first nine holes along a portion of the 5-1/2-mile frontage on Little Traverse Bay was scheduled to begin in late July. Plans are to open nine holes every summer between 1996-1998.

The developers include CMS Land (a subsidiary of Consumers Power Co.), Detroit real estate

developer David Johnson and the Kircher family (operators of nearby Boyne Mountain and Boyne Highlands resorts).

In addition to their early research, Kershner said developers benefited from the fact that the course will occupy the site of an abandoned Penn-Dixie quarry and cement plant.

"The local agencies wanted the plant taken down, public access to the lake shore made available at either end of the project and the

dust from the abandoned kilns taken care of," Kershner said. "DNR was mainly concerned about controlling runoff from the old plant into the lake and that an environmentally safe project replace the old facility."

"It's as much to David's credit as anyone that we ultimately submitted a plan everyone could buy into. Getting everyone involved early just seems like common sense, but it's not always done."

Continued on page 35

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CIRCLE #104

Golf course plans stalled for Illinois airport property

SPRINGFIELD, Ill. — A strip of airport-owned land lies dormant here as the city, Airport Authority and Denver-based developer Golf One try to settle on plans for a municipal golf course.

Originally conceived in 1990 as a \$3.4 million, 18-hole facility slated for 160 acres off Camp Sangamo Road, the proposed course has seen the price tag balloon to \$6.4 million. The Federal Aviation Administration didn't help matters when it insisted the local Airport Authority fork over \$328,000 for the parcel because it wouldn't be used for aviation.

The deal looked dead as a door nail after differences arose over Golf One's proposed management fee, according to Airport Authority Chairman Don Bangert. Golf One and the city haven't communicated since March.

However, City Commissioner Phil Spengler insists the deal is not dead. He said it's possible the airport could approach another developer — it never signed a contract with Golf One — or enlist a different firm to manage the course.

Spengler said the city will take up the matter again this fall.

Legislature okays second links for Okla. state park

DURANT, Okla. — The state Senate has approved issuing \$3 million in state revenue bonds to build an 18-hole golf course and clubhouse at Lake Texoma state park.

The project is expected to boost tourism, which is so vital to the economy in the southeastern part of the state.

The existing 18-hole layout turns 45,000 rounds annually, which led park officials to request the extra funds for a second championship course.

Construction is expected to begin later this year.

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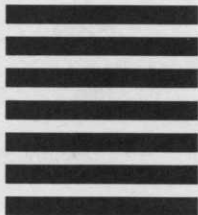
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GD beating missiles into putters in California

RANCHO CUCAMONGA, Calif. — With the defense industry taking a downturn, General Dynamics is building a hotel-conference center here featuring a \$20 million public golf course designed by Arnold Palmer.

The 18-hole course will sit on 174 acres of a 380-acre site which city officials rezoned in June from industrial to mixed use of open space, commercial and industrial.

Officials hope the course will be "the catalyst" for other developments. City Planner Dan Coleman told the *Inland Valley Daily Bulletin*.

The entire project, which will take 10 years or

longer to build out, could create thousands of new jobs, according to a General Dynamics spokesman.

Construction should begin in the fall on the golf course, which will be the first daily-fee facility in the community.

Its only private course is Red Hill Country Club.

The property consists of approximately 300 acres of vineyards, five acres of unpaved city roads and 75 acres containing three buildings leased by Hughes Missiles Systems.

Water issues slow Colo. course

SILT, Colo. — Plans to build an 18-hole course here are in limbo because of difficulties surrounding water rights.

Developer R.M. Dixon has offered to donate 150 acres to the town for the course. However, he wants to lease the water rights to the municipality rather than donate or sell them.

The city must issue revenue bonds to pay for the proposed \$2.5 million course. But Silt officials say that will be very difficult

to do without ownership of the water rights.

Meanwhile, time is running out to get the bond issue on the November ballot. Without the referendum, construction could not begin next spring as originally planned.

If the city deal falls through, Dixon could seek a private developer to build the course. However, complying with local planning and zoning matters would take at least six months.

Neb. towns unite to build new nine-hole layout

FULLERTON, Neb. — Citizens, unite! is the call that has gone out to build The Loup, Cedar Valley Regional Golf Course here.

Golfers from four counties have invested \$200,000 and volunteered labor and machinery to begin construction and reduce another \$100,000 of the cost of the nine-hole course. Volunteers hope to do 50 percent of the heavy dirt work and 80 percent of the light dirt work, seeding and irrigation installation, financial adviser Mike Brooks of Genoa told *The Grand Island Independent*.

The 3,600-yard, par-36 track, designed by Marty Johnson of South Sioux City, will augment the existing Fullerton Golf Course, extensively damaged when the Loup River flooded last year. It is expected to open next June.

Other towns involved are Genoa, Cedar Rapids, Wolbach, Palmer, Clarks, St. Edward and Belgrade.

A limited number of memberships are being offered, for a minimum \$500 stock certificate. Hole sponsorships are being sold for \$5,000.

Tree removal a sore point at Pebble Beach

PEBBLE BEACH, Calif. — Local environmentalists have balked at current Pebble Beach Co. plans to build a Tom Fazio-designed golf course, 350 housing lots and driving range, citing damage that would be caused by the proposed removal of 57,000 trees.

But Pebble Beach officials argue a tree-replanting program would mitigate the effects of the tree removal, according to Mark Stilwell, the company's vice president of real estate.

"You couldn't do any development without cutting down trees," Stilwell told the *Monterey County Herald*.

Stilwell also noted the current proposal is far smaller than the 890 lots allowed under plans approved by state Coastal Commission.

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Scotts (Rotary) PTK	3	6 ft.	6 ft.
Scotts (Rotary) PBA	3	6 ft.	6 ft.
Lesco	3	10 ft.	10 ft.
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Kansas towns could nix golf deal

GIRARD, Kan. — A pair of Kansas municipalities have balked at partnering with Kansas Golf Management (KGM) to develop a \$5.9 million golf course project. The latest "nay" was uttered by the Crawford County Commission here.

"It's wonderful if [KGM] wants to build it, but only if they put up their own money — not the taxpayers' money," Commissioner Pat Barone told *The Morning Sun* of Pittsburg.

The KGM proposal was similar to a plan presented to the Frontenac City Council in May. No action has been taken since the City Council met with its bond consultant in executive session on May 16.

KGM's \$5.9 million course plan calls for financing under a lease-purchase type arrangement or some manner of revenue bond. County liability — in either case — would be limited to \$500,000 for one year, the developers said.

Fla. resort gets preliminary OK from planners

PERDIDO KEY, Fla. — Developers of Lost Key Resort Country Club have received preliminary approval of plans for 18 holes and 337 housing units here.

The okay for Lost Key turned heads because nearly 20,000 people signed petitions opposing an unrelated Pensacola Beach golf development last year. The Audubon Society, League of Women Voters and *ad hoc* Save Our Beach committee all fought the doomed project.

However, County Attorney David Tucker said the only thing preventing the Pensacola Beach course was a 1985 agreement that requires the property remain as "unimproved recreation. There is no similar document regarding Perdido Key," he added.

The Perdido Key site lies just south of mainland Escambia County across the Intracoastal Waterway. Several residents have expressed fears the course will harm wetlands, the Old River and Gulf of Mexico. But Bromfield Nichol, a Pensacola engineer heading the permit process for Lost Key, said the course will not harm nearby waters.

Huizenga's sports complex receives special tax levy

MIRAMAR, Fla. — The state legislature has created a special governmental district to oversee development of Blockbuster Park, a 2,500-acre sports and entertainment complex that would include two championship golf courses.

In addition to the 6-percent state sales tax, the special district could levy a 1-percent tax inside developer H. Wayne Huizenga's complex. The bill must still be approved by Broward and Dade counties and Miramar.

Wayne's World will also include a baseball stadium for the Florida Marlins, hockey arena for the Florida Panthers, a theme park and television studio.

Discrimination bill dies in Ohio Senate

COLUMBUS, Ohio — An Ohio House bill that would prohibit membership discrimination at private golf clubs appears to have died a slow death, though supporters can resume their fight, from scratch, in 1995.

Unless the Ohio Senate Judiciary Committee moves House Bill 190 from a crowded agenda and approves it for a vote by the full Senate, the proposal will die. While it will technically survive until Dec. 31, the bill was not addressed before summer recess and there is no guarantee of a second 1994 session.

"I suspect it might be difficult to have a hearing

on it because of the priorities involved," Sen. Betty Montgomery of Perrysburg told the *Cleveland Plain Dealer*. "We're dealing with some major criminal issues in the judiciary. I suspect that death and destruction will take a higher priority than tee times."

The proposal would prohibit clubs from reserving choice tee times for male members. It would also forbid golf, swimming, yachting, and other clubs from rejecting members or restricting their privileges on the basis of race, sex or other "arbitrary" classifications.

MIKE HOYLE TALKS:

BUNKER RAKES



"The John Deere 1200 Bunker and Field Rake is the first machine I've ever seen that actually performed better than the salesman promised," says Mike Hoyle, superintendent at the 27-hole Green Tree Country Club in Midland, Texas.

"We needed a machine to move sand and reshape our bunkers after hard rains," explains Hoyle. "When our John Deere rep dropped off the 1200 for a demo I asked him, 'Is it a bulldozer?' He said, 'no,' but still encouraged me to try it.

"After about 30 minutes of pushing, plowing, and raking sand, I went back and called him a liar. The 1200 had so much power it worked like a bulldozer! I called an emergency board meeting and we wound up buying two of them immediately.



"The 1200s were our first introduction to John Deere. Since then, we've purchased a number of other machines, including two 2243 Greens Mowers, two 3325 Fairway Mowers, two 4X2 Gator® utility vehicles, and one 1800 Utility Vehicle.

"The equipment has been great, but the best thing has been the way John Deere has supported us. They've worked with us on pricing, financing, and warranties, as well as providing parts availability that's unbelievable. If we order a part in the afternoon—it's rare if it's not here the next day. I've never seen anything like it in this business.

"In fact, the biggest problem now is that I'm spoiled. I expect all my suppliers to service me the way John Deere does—and some of them are starting to get a little ticked at me."

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Proposed N.C. pesticide law could be costly

WILMINGTON, N.C. — In the wake of an incident at The Cape Golf & Racquet Club here, a new state pesticide law may be passed holding accountable those who order illegal pesticide applications.

The state Pesticide Board had levied a \$400 fine on two licensed pesticide applicators for applying Gramoxone Extra to the private course. A weed and plant killer used on farms, Gramoxone Extra is not approved for golf course use.

When Cape owner Thomas D. Wright offered to accept full responsibility and pay the fine, the

board instructed the Attorney General's Office to renegotiate the settlement. After the negotiations, Wright agreed to pay a \$2,000 fine. The Wilmington Morning Star also reported that Wright admitted to homeowners at the facility that he was aware the application was illegal when he ordered it.

The Pesticide Board has recommended the change in law to fine the person ordering illegal applications as well as the applicators. The General Assembly must approve the proposal, and that is not expected until next year's session.

Feuding agencies delay Utah muni

HURRICANE, Utah — Construction delays caused by two feuding government agencies could cost the city thousands of dollars and put off the opening of the municipal course.

The federal Bureau of Land Management leased the golf course property to the city, which issued a \$3.5 million bond to finance the project.

Construction began in December. But the U.S. Department of Fish and Wildlife ordered a halt to building on the final three holes

in April, declaring the land a critical habitat for the endangered desert tortoise.

USFW instructed the BLM to do a biological assessment on the 155-acre portion of the 300-acre course. City officials were originally told the study would be completed this spring. Now it could be late summer before it is finished.

Mayor Gene Van Wagoner told *The Daily Spectrum* that the situation was "a power play between two federal agencies."

If the study shows the desert tortoise occupies the area, the city may have to surrender a portion of the 155-acre tract as an environmental buffer and complete the final three holes on a different section of the property.

Washington course to start construction after four-year wait

MAPLE VALLEY, Wash. — Four years of negotiations have finally paid off for The Course at Taylor Creek, Inc., as ground has been broken on the proposed 9-hole course and driving range here.

Four years ago, a group of 10 investors purchased the 63-acre parcel from the Brunton family for \$1.2 million. However, a sensitive-areas ordinance went into effect contingent on the sale, slowing the project considerably. In fact, King County has since fenced off 24 acres as untouchable wetlands — twice the amount originally measured four years ago.

"We redesigned the course five or six times, and with the new ordinance, we weren't sure we still had nine holes," said Brad Habenicht, Taylor's managing general partner. "It takes a lot of patience to build a course."

The Taylor Creek nine, to feature a decidedly linksland design, is scheduled to open for play in July 1995. Par+ Designs has routed the course around the Olson House and Barn, a circa-1906 historic landmark that will serve as clubhouse.

CONSTRUCTION OF REES JONES TRACK SET FOR ARIZ.

SCOTTSDALE, Ariz. — Construction should begin later this year on a 573-acre residential golf community near Pima and Stagecoach Pass.

Rees Jones designed the 18-hole, semi-private private course, which will be the centerpiece of the 792-home Legend Trail community. Dioguardi Companies of Phoenix is the developer of Legend Trail, located south of the Desert Mountain complex.

Legend Trail is surrounded by state land and will have 32 percent of the community's acreage preserved as natural open space.

"I thought that the John Deere 1200 didn't have enough power because it was 2-wheel-drive," says Mike Hoyle. "It proved me wrong. You can plow with it, smooth with it, or move dirt and sand with it. It has tremendous power. It turned a reshaping job that used to take us 12 working days to do by hand into one that now takes a day and a half with our two 1200s."



Superintendent Mike Hoyle and his fleet of John Deere equipment keep busy 12 months a year supporting the nearly 60,000 rounds recorded annually on Green Tree Country Club's 27-hole layout.



Red tape in Minnesota ... Weenies on parade

Several times during the course of writing my story on Jeff Brauer's project in Biwabik, Minn. (see page 1), I fell into deeper, more broad conversations with various people involved in the erstwhile development. More than once they posed the question, "Geez, from now on, do you think every project in Minnesota will be so fiercely opposed?"

Invariably, the long-delayed Homestead project came up and the same question was bandied about in reference to Michigan.

It's important, I believe, to consider these examples of bogged down projects on their own and not as indicators of any larger trends — positive or negative — relating to golf course development.

Even more important is making the separation between the reality of politics and actual opposition.

There's a journalist here in Maine who writes a column each week entitled "Politics and Other Mistakes." Readers would be wise to remember that politics sit at the core of nearly all such disputes, whereas the fates of various endangered marigolds and ladybugs usually show up once the battle has been joined.

On the surface, the Biwabik project looks to be a large-scale hoo-hah over rare strawberries, pesticide fates and the decline of Minnesota's song bird population. But after a few calls to the half-dozen people driving each side of the controversy, the political struggle comes shining through.

To wit: The course was approved by the St. Louis county Planning Commission. Bigwigs at the state Department of Natural Resources, miffed they were not consulted thoroughly, motioned for an Environmental Impact Study (EIS) prior to construction.

Again, this doesn't seem unusual. However, in Minnesota, never has a golf course project been subjected to the scrutiny of



Hal Phillips,
editor

Continued on page 34

Bravo! Browner and EPA tackle muddled peer-review process

It is said that Oliver Wendall Holmes once led President Lincoln through the battle lines. At one point, the President exposed himself to enemy fire and Holmes shouted, "Get down, you fool!"

Now, I don't think Holmes was disrespectful of the President. He was just reacting to the dangerous situation. In the same way, for years scientists have been saying to the U.S. Environmental Protection Agency (EPA): "Get down, you fools!"

Now, it appears, EPA has finally "gotten down." EPA Administrator Carol Browner has, for instance, declared that science peer-review procedures (until now non-existent) will be in effect Sept. 30 (See story, page 1). She has apparently dedicated her administration to "good science" and directed her division leaders to the process of getting the peer-review mechanism done. Could this be a sign of better things to come?

Let's hope so, because whose information have the leaders at EPA been relying on, anyhow?

Obviously not their own research. They seem unaware of the Cape Cod Study, for instance, and they were in charge of that effort. Remember the Alar scare? The dioxin misinformation? The 2,4,5-T fallacy?

Indeed, a panel of scientists appointed by the General Accounting Office told the EPA in March 1992: "The science at EPA is of uneven quality, and as a result, the agency's policies are frequently perceived as lacking strong scientific support." Lack of a solid peer review process has held the agency hostage to that "uneven science," the GAO said.

While some people may call our friends at EPA "eco-gestapo," I don't think these maligned folks are "bad people." There are explanations for the sometimes muddled, sometimes baffling, sometimes curious, sometimes unrelentingly foolhardy behavior emanating from the offices of EPA. At times, some of them may have been misinformed or misled, and did not realize what they were doing. Some may have been blinded by power and/or political ideology. Some may have been pawns.



Mark Leslie,
managing editor

Continued on page 36

Letters

AN ENVIRONMENTAL APPEAL

To the editor:

I have been in the golf business as a course owner for 15 years. I have always tried to keep up with golf course equipment, chemicals and environmental developments.

It irritates me to hear or read "the sky is falling" comments regarding the application of chemicals on golf courses and how bad golf courses are on the environment. It's frustrating to read that golf course operators don't care about the environment.

I have not personally applied any chemicals to my golf course. I've always left that to my expert golf course superintendent. I've never directed him to apply more of any chemical than was absolutely necessary.

I'm involved with a small group who is making a golf facility proposal to the city council of a small California city. The proposal includes a large driving range and nine short golf holes ranging between 80-150 yards. All the top soil will be imported.

This project would be a good possibility as a long-term test site to study the residue from chemical application to turf grasses. It is possible to engineer the entire site to collect the excess water for testing and reuse. Please understand I know just enough about this to get myself into lots of trouble.

I have a question for you.

Can you please direct me to companies, universities, associations, environmental groups and/or individuals who may be interested in participating in such a project?

Incidentally, I read every copy of *Golf Course News* almost cover-to-cover.

Dan James
Foster City, Calif.

Ed. If readers have ideas on where Mr. James should look for answers, contact the *Golf Course News* office.

VERTI-DRAIN PRESIDENT ADDRESSES ATTACHMENT

To the editor:

As a long-time reader and advertiser in *Golf Course News*, we have always had respect for the timeliness and appropriateness of the articles that appear in your publication.

However, we would like to clarify some points regarding an article that appeared in your April issue by Patrick O'Brien [director of the USGA Green Section, Southeast Section] entitled "Burns' invention greatly increases deep aeration."

Mr. Burns developed an attachment that fits on our Verti-Drain and has had great success with it; we applaud his initiative. We have numerous other accounts of satisfied customers who have

adapted the Verti-Drain to unusual applications and developed special attachments. Not all of these cases are as successful as Mr. Burns' case seems to be.

To be clear to our other customers and to our many distributors around the country, we must state that we have never tested or physically seen Mr. Burns' invention. Therefore we cannot, with certainty, attest to its results or its compatibility with our machines. As you can well imagine, the tolerances for a machine that drives tines deep into the soil, and then pitches (heaves) the tines forward is very critical. Therefore it is our policy to field test and have our engineering staff review all attachments so that we can stand behind our products with confidence.

Of course, we would be happy to test Mr. Burns' invention for approval, but until that time it cannot be officially endorsed or authorized as a factory-approved product attachment.

As you can imagine, many superintendents rely on our machines to relieve severe turf problems, so we are very critical of ourselves because we know thousands of customers are depending on us and the Verti-Drain.

Thanks for your understanding of our position on this issue.

Charles J. Otto, president
Emrex, Inc., North American Representatives for Verti-Drain

BOAT MISSED ON LEGENDS GROUP STORY?

To the editor:

Before I chastise you for what I believe to be major omissions in an extremely important story, I want you to know that I have been a big fan of *Golf Course News* for quite a while, and will continue to be.

My concern is that your writer, Peter Blais, and you, really missed the boat in reporting the announcement by The Legends Group, of Myrtle Beach, S.C., that they are starting construction on, not one, but two golf courses in Williamsburg, Va. (*Golf Course News*, June 1994). Furthermore, they went on to say that they will continue to build golf courses there, until they have built as many as seven new courses.

With the continued sad state of golf course financing and new starts for golf courses, especially resort courses, this story should have been a front-page feature article, with editorial support. Instead, your piece came across, at least to me, as rather "Ho hum! Some guys from Myrtle Beach are going to build a couple of courses with some big landowner in Williamsburg."

Mr. Blais did include the basic facts of the story, and he obviously made an attempt at interviewing the principals. There are,

Continued on next page

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A tale of two projects: North, South, fast-forward & slow-going

By A. JOHN HARVEY

The Robert Trent Jones Cos. — consisting of Mr. Jones, Roger Rulewich and myself — were lead designers for Anglebrook Golf Club in Somers, N.Y., and the 18-course Robert Trent Jones Trail in Alabama. It took half the time (about three years) for our office to design, build and open eighteen, 18-hole courses in Alabama along the Trail as it took to receive the mere approvals for construction of Anglebrook.

The Trail and Anglebrook represent two polar opposites when it comes to planning, approvals and timing. Planning and design of the Somers project evolved slowly due to the number of regulatory agencies involved and negative public perception of the course. Conversely, the Trail involved alliances with local governments and the public for development of what was positively perceived as Alabama's tourism savior.

Yes, there are merits to a formal environmental review process. But much of the outcry against building and managing golf courses is emotional, non-scientific-based subjectivity.

...

In September 1988, RTJ helped the partnership of Mitsui Fudosan (New York), Inc., and Kajima International, Inc. evaluate potential golf course properties in Westchester County, N.Y. After an exhaustive search, a 240-acre parcel was chosen for a private, 18-hole course in the town of Somers.

On Sept. 28, 1989, our office was commissioned to design the course for the newly formed partnership, Somers Golf Associates (SGA). As we developed routings in coordination with the client's engineers, Divney Consulting of White Plains, N.Y., we soon learned of the site's environmental sensitivity and how these limitations, in effect, compartmentalized the site into uplands and lowland basins. Uplands were composed mainly of wooded expanses and abandon agricultural fields isolated by rock walls, while lowland basins lay at the bottom of the two major watersheds.

In Alabama, on several occasions our

A. John Harvey is an architect with Robert Trent Jones Sr., based in Montclair, N.J.

office toured a proposed site, met with the owner, public officials, received detailed topo and aerial mapping of property, developed a routing, and started construction all within one month. On a number of sites, our company already had field representatives, shapers and equipment at the job site before a plan was sketched out.

A wetlands consultant, DRU and Associates of Glen Cove, N.Y. was hired on by SGA to assist in analyzing and evaluating the environmental constraints of the site. Initially, DRU flagged three different wetland jurisdictional lines, including U.S. Army Corps of Engineers (ACOE), New York State Department of Environmental Conservation (NYSDEC) and the town of Somers wetlands, each with their own set of criteria. The most inclusive, restrictive and largest in total site area were the town's approximately 60 acres. Dr. A. Martin Petrovic from Cornell University was retained to prepare a turfgrass management program for maintenance of the course. Leggett Brashears & Graham, Inc., (LBG) of Wilton, Conn. was commissioned to study hydrology and geology, and report their findings to the partnership.

The Trail properties were all large land tracts of varying description, each unique and diverse within themselves. Several included wetlands which required on-site delineations by the ACOE. On many occasions, all such adjustments for golf holes were made directly in the field by our office during the wetland flagging process.

Another site investigation required at the Somers site was an archaeological review and field survey of historic artifacts. An extensive investigation by Ernest A. Wiegand II of Norwalk, Conn. revealed significant man-made features such as a fire pit and numerous hunting and cooking implements. These areas evidently served as a hunting and fishing encampments some 10,000 years ago. In September 1990, after a layout was selected by the partnership and the necessary environmental studies, surveys and tests were completed, and a Draft Environmental Impact Statement (DEIS) was delivered to the town, which

eventually declared itself lead agency for the project. After an extensive review by the agencies and local citizens, the team assembled all questions concerning the proposal and answered each and every one with a written response or refinement of the plan. The team then submitted the revised layout and documentation in the Final Environmental Impact Statement (FEIS) in May 1991.

In general, a correlation can be made between the amount of paperwork required to secure approvals and the speed of construction. The route plan and approval documents for Anglebrook were refined, re-routed and reworked in concept and detail, many times at the will of agencies and the team's consultants, whereas a route plan for the Trail was all that was necessary.

In April of this year SGA received its final construction approvals, three years after submission of the FEIS. During the intervening years, refinement of the Somers plan was primarily due to the extent proposed golf course features were located within the two archaeologically significant sites; restrictions on grading of steep slopes; and grading or tree clearing required in wetland areas. In addition, the town of Somers required the team to prepare a construction phasing program which listed activities in a chronological sequence of operations from clearing to grassing. Together with Divney Consulting, our office devised an extensive erosion-control plan using a series of catchment, diversion and filter treatment devices around the perimeter of wetlands, golf construction corridors and within grading areas as progression of construction warrants. As a condition of the approvals, the town stipulated that construction could disturb less than four acres of wetlands and replace or enhance 14 acres of wetlands within these areas. The town further required SGA to institute an on-site water monitoring program.

The massive scale afforded many benefits and economics to the Trail developer, SunBelt Development Corp. All the land and infrastructure required for



A. John Harvey

these courses were given to SunBelt by private landholders, developers or municipalities. A few courses were built along ecologically fragile environments without jeopardizing their landscape value. For example, the Auburn/Opelika course was built on heavily wooded property surrounding Lake Saugahatchee, owned by the Opelika Water Works Board. The surface area of the lake is about 400 acres and was formed to supplement the city's water supply. Today, during the second year of regular maintenance of the golf complex, lake water tests indicate no elevated levels of sediment or turfgrass chemicals as a result of the operation. No wetlands were filled; however, three acres were created.

A full six years after RTJ joined the Somers project, construction at Anglebrook is scheduled to begin this September.

Dennis letter

Continued from previous page

however, what I believe to be critical omissions in his effort. They are:

1. The Legends Group, even though they only own six of the more than 80 golf courses in Myrtle Beach... "The Golf Capital of the World," their courses are the top rated courses there, hosting well over 300,000 golfers each year.

2. The Legends Group is considered, throughout the golf industry, to be the very best in daily-fee/resort golf development and operation. For years they have been courted by virtually every resort community begging them to develop golf courses in their areas. For them to select the Williamsburg area as their first venture outside Myrtle Beach is a major coup for the Williamsburg community.

3. The individual solely responsible for introducing The Legends Group to the Williamsburg area, and in particular, the Chesapeake Corp., was Donald Wizeman, with International Golf Resources in Myrtle Beach. Mr. Wizeman's efforts have made

the Williamsburg Golf Committee's "dream" of golf expansion there a reality in less than eight months. The Fortune 500 Chesapeake Corp. now have the best group as their golf partner. The Legends Group has secured probably the best deal in the recent history of the golf industry, and the Williamsburg tourist economy is assured of becoming "A Major Golf Destination." All thanks to Donald Wizeman.

4. The Counties of New Kent and James City have likewise opened a new, and exciting, chapter in golf development by aggressively pursuing every avenue to expand golf opportunities. They worked long, and hard, "TOGETHER" to make the Legends, and Chesapeake projects a reality. From an initial meeting in early January, to the breaking of ground on two golf courses, in two different municipalities, in July is unheard of in the industry. The staffs at James City County, and New Kent County, are truly innovators with a "can do" attitude that is sadly missing elsewhere in our bureaucratic world.

Obviously, each of these omissions are important stories in and of themselves, and I am very surprised, and disappointed, that

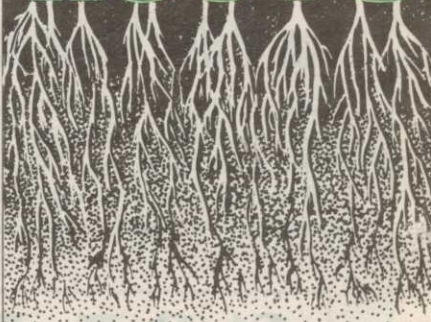
you missed them. Please try to be more diligent in the future.

George Dennis
Virginia Beach, Va.

Ed. While we applaud the efforts of The Legends Group, Chesapeake Corp. and Donald Wizeman, as well as Mr. Dennis' unbounded enthusiasm for the Virginia projects, please keep in mind that *Golf Course News* is a business newspaper. We must remain objective in our coverage or we lose credibility with our audience. Mr. Dennis' assertions that Myrtle Beach is "The Golf Capital of the World," and The Legends Group "considered throughout the golf industry to be the very best in daily-fee/resort golf development and operation" are subjective judgments that would be challenged by many other golf destinations, developers and management companies. Such statements are better left to chambers of commerce, advertising agencies, public relations firms and private boosters. We feel the June story accurately reflected the information provided by company representatives; and, incidentally, it did appear on the front page.

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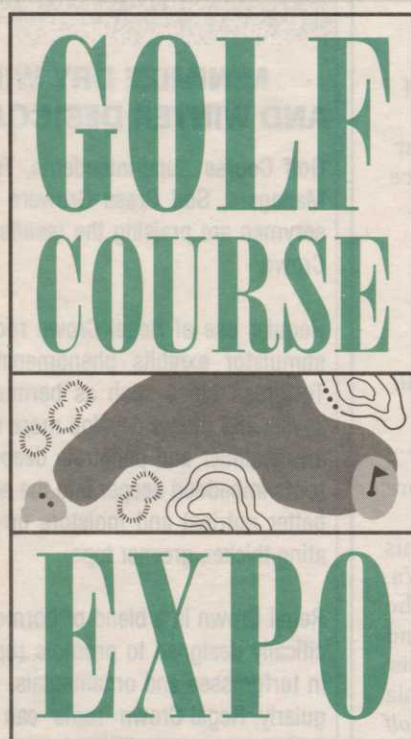
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ORANGE COUNTY CONVENTION CENTER
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NOVEMBER 11-12, 1994

BRIEFS



WATER ABUNDANCE INCREASED

GOLETA, Calif. — An advanced wastewater treatment project has been completed here that can supply three million gallons a day of reclaimed water to irrigate golf courses, lawns, parks and other green space. The project was completed by Goleta Sanitary and Water districts, working with the California Environmental Protection Agency's Central Coast Regional Water Quality Control Board and other state and local agencies. The plant allows the use of reclaimed water and reduces the need for fresh water from the Cachuma Reservoir.

MASSACHUSETTS GUIDE AVAILABLE

WORCESTER, Mass. — The 1994 edition of *The Professional Turfgrass Management Guide for Massachusetts* is now available from the University of Massachusetts Cooperative Extension System. The booklet covers turfgrass culture, insect, disease, nematode and weed management. Among its features are a comprehensive key to turfgrass diseases, a list of turfgrass variety characteristics, monitoring techniques, and suggested threshold levels of turfgrass insects. The books cost \$7 each and are available from Bulletin Center, Cottage A, Thatcher Way, UMass, Amherst, Mass. 01003.

JUST ADD SLUDGE

VENTURA, Calif. — A University of California-Ventura study indicates that sewage sludge added to yardwaste composts increases the yield and color of perennial ryegrass. The study showed best turfgrass color rating was in a treatment composed of 50 percent yardwaste and 50 percent sewage sludge.

TURF MANAGEMENT FIELD DAY SET

WORCESTER, Mass. — The 3rd Annual Athletic Turf Management Field Day at Holy Cross College, Aug. 10, will combine demonstrations and talks with the annual meeting of the New England Sports Turf Managers Association. Concentration will be on sports fields. Danvers (Mass.) Superintendent of Tees and Grounds Jack Schmidgall will present a demonstration on irrigation and sprinkler head comparisons. For more information, people may contact Mary Owen at UMass at 508-892-0382.

OTF FIELD DAY CHANGED

COLUMBUS, Ohio — The date for the Ohio Turfgrass Foundation and Ohio State University Turfgrass Research Field Day has been changed to Aug. 17. It will be held from 8:30 a.m. to 3 p.m., at Ohio State Turfgrass Research Center on Kenny Road.

Delhi College joins giants, adds 9 for students

By MARK LESLIE

DELHI, N.Y. — The list of golf courses built, in part, to serve as working laboratories for college students is about to grow by one. Joining the likes of University of Georgia and Clemson and Pennsylvania State universities is Delhi College of Technology, which expects a major boost to its two-year turfgrass program with the addition of a golf course.

"We think this will cut down the learning curve and make our students much more marketable," said Joel Smith, director of communications at the State

University of New York-Delhi campus. "In the world, you don't have as much time for on-the-job training. Superintendents need graduates who are ready to go to work, work independently and get the job done."

"Originally, turfgrass management was the key program," said John Haight, director of development. "But it has grown since then" to include the entire Department of Plant Science, which includes horticulture, golf course operations, landscape architecture and landscape contracting technology. The golf program is directed by Dominic

Morales, a professor of horticulture, who was unavailable for comment.

Dirt has already been turned, beginning construction of a new nine holes at Delhi College Golf Course. Clark Cos., a local firm, is building the course. Collaborating in its design are Michael Haas of Haas Landscape Architects in Binghamton; Michael Ermisch of The Ermisch Design Group in Utica — both college classmates and ex-roommates; and Larry Reistetter's L.P. Reistetter Golf Design Group of Binghamton. Haas and Ermisch are Delhi College alumni and

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Overseeding: The life-or-death decision for many

By MARK LESLIE

Overseeding. It's one of the great dilemmas of golf course maintenance. Do you or don't you? When? Where? For what purpose? With what turfgrass or mixture? What are the tradeoffs?

"One of the paradoxes in the business," said Collier's

Reserve superintendent Tim Hiers, "is a great job of overseeding makes you look like a hero — then. But, potentially, you could have a worse transition" back to the main playing surface in the spring.

There are two categories — overseeding of dormant warm-season grasses, and of existent cool-season grasses.

In the South: Dixieland diversity

Superintendents in Florida, Georgia, Texas, Arizona and Southern California — and to a lesser extent in Mississippi and Louisiana — wrestle with this decision annually. Many have no choice.

Some basics:

- It's simple: When winter arrives, in many places Bermudagrass goes dormant or dies, and cold-tolerant grasses can be seeded over the Bermuda until the weather warms and Bermuda rejuvenates.

"They [superintendents] want it [overseeded grass] to come up quick, to be dark green, and to go away when it's sup-

Continued on page 17



A member of the grounds crew at Bighorn Golf Course in Palm Desert, Calif., scalps dormant Bermudagrass in preparation for overseeding.

In the North: Better bents

Think of overseeding as buying insurance.

"You never know if it's working or if you need it. But in my opinion, you've got to do it," said Jim Connolly, long-time agronomist for the U.S. Golf Association Green Section's Northeast Region who now works at Jacklin Golf in Idaho.

Cool-season overseeding has been popular in the Eastern part of the country for years. But, "west of Chicago it becomes very unpopular," Connolly said. "I can't say why except they simply haven't been exposed to it."

Overseeding in the North
Continued on page 18

RESEARCH UNDER FIRE

Browner puts spurs to EPA colleagues to improve peer review procedures

By MARK LESLIE

WASHINGTON, D.C. — The U.S. Environmental Protection Agency (EPA) is expected by Sept. 30 to have a new peer review policy in place, ending years of hostility with various branches of government and others in the scientific community.

Responding to years of prodding from the General Accounting Office (GAO), which has been calling for better scientific peer review procedures and controls, EPA Administrator Carol Browner has declared the chore will get done this summer. In the meantime, she demanded that her troops follow the peer review process signed by her predecessor, William Reilly, in the 11th hour of his administration. But the Reilly process is considered far too vague and must be clarified.

Leaders in each division of EPA presented drafts of their peer review plans on July 15, according to Dr. Don Barnes, ex-



ecutive secretary of the EPA's Scientific Advisory Board. A group of scientists within and outside the agency will scrutinize those plans and return them for final revisions which, he said, will be in place by Sept. 30.

Reporting that EPA's science is of "uneven quality," GAO Assistant Comptroller General Keith O. Fultz said in February his office was recommending that Browner "set a schedule for developing, completing and implementing agencywide peer-review procedures."

"Also, the administrator should develop and implement controls that protect against the premature release of documents by external peer reviewers."

Requested by Rep. John Dingell of Michigan, chairman of the Committee on Energy and Commerce's Subcommittee on Oversight and Investigations, the GAO

Continued on page 12

Passios named to conservation panel

BARNSTABLE, Mass. — Charles Passios, past member of the board of directors and government liaison officer for the Golf Course Superintendents Association of America (GCSAA), has been appointed to a three-year term on the Barnstable Conservation Committee (BCC).

The panel "basically protects the town's natural resources, deals with wetlands regulations and promulgates town ordinances," Passios said.

The largest town on Cape Cod, Barnstable sits on the Atlantic Coast. Superintendent at Hyannisport (Mass.) Club, Passios is a past president of the Golf Course Managers

Continued on page 22



Charles Passios

Pock keeps grand-dad's pioneering spirit alive

By JERRY ROSE

SCOTTSDALE, Ariz. — The ride around the construction site of Grayhawk Golf Club with Michael Pock may be less bumpy and dusty than the trip his grandmother took as a young girl from Missouri to Oklahoma in a covered wagon — but only slightly.

"With all the water and dust, the windows of this old truck get so dirty it's hard to see where you're going," said Pock, superintendent for the new golf club here. "If I wash them, they'll only look like this again tomorrow. Maybe I should just ride my horse out here instead."

And, don't think for a minute that he wouldn't love to. For all his years in the golf industry, Pock remains a cowboy at heart.

"Practically one whole side of my family runs ranches. And I've done my fair share of punching cattle. I love the life. It's just hard to feed a family on a cowboy's wages," Pock said.

Thankfully for Grayhawk and Arizona golfers, Pock chose to follow his family's

other tradition and become a golf course superintendent.

It all started with Pock's grandfather, Jay Woodward, who sold the family farm in Oklahoma and headed west in the early 1940s. When he got to Arizona, he landed the job as assistant superintendent at Phoenix Country Club.

Later, Woodward signed on as the first superintendent at Arizona Country Club. And in 1960, he oversaw construction and maintenance of famed Desert Forest Golf Club in Carefree, where he served as superintendent until he retired.

Pock learned the trade at his grandfather's knee, following him around Arizona Country Club at the age of 5 or 6, changing cups and helping replace sprinkler heads.

At 14, Pock got his first real job in golf course maintenance, working for his grandfather at Desert Forest, and — except for a short stint in the Navy during the Vietnam War — he has been devoted to the profession ever since.

"I've grown up on golf courses in the Southwest, and I guess I know about as



Grayhawk Golf Club superintendent Mike Pock is flanked by sons Ernie, left, superintendent at Briarwood Country Club in Sun City, Ariz., and Jay, a student at Rutgers University Turfgrass School and assistant superintendent at Grayhawk.

much as anybody about what makes them tick," Pock said. "I think the most important thing my grand-dad taught me was to listen to the grass. It doesn't lie. If you just walk the course and pay attention to what's going on, it'll tell you what it needs."

If his accomplishments are any indication, Pock must be one of the best at listening to grass. He was crucial to the creation and maintenance of two of Arizona's most celebrated golf courses: the private Troon Golf and Country Club and Troon North Golf Club, a resort course, here.

"Those two [Troon and Troon North] are blessed with beautiful natural settings, and they are great, great courses," Pock said. "It's hard to improve upon Mother Nature, but [course architects] Tom Weiskopf and Jay Morrish did quite a job. I'm just glad I could put them in the shape that made them famous."

So, how does Talon, Grayhawk's first

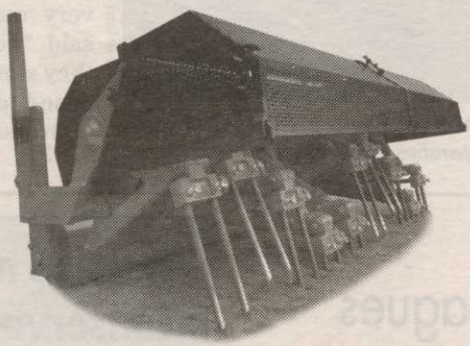
18-hole golf course, designed by former PGA and U.S. Open champion and architect David Graham and Gary Panks, stack up against its more famous Scottsdale neighbors?

"Talon will definitely be rubbing shoulders with [them] and other big-name courses around here. In fact, when it comes to putting surfaces, playability and strategy, we think this course will be as good as any of them," Pock said. Talon's greens will be Crenshaw bentgrass, he said.

And, what of the Pock family traditions? Michael's two sons, Ernie and Jay, are following his footsteps.

Ernie has graduated from Rutgers University's Turf Management School, where Jay has one semester remaining. After a tenure at Simi Valley Country Club in California, Ernie is superintendent at Briarwood Country Club in Sun City. Jay, who worked as his father's

Continued on next page



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EPA rewriting its science peer review process

Continued from page 11

report denegated EPA's policy on peer reviews and its controls over documents sent to outside reviewers.

Meanwhile, one former EPA scientist said the problem within the agency's Pesticides and Toxic Substances division, which most affects golf, is not its review mechanism but in writing the regulations.

"Scientific research that comes out of these labs is of good quality," said Stuart Cohen, who worked for EPA for 11 years and is now president of Environmental & Turf Services, Inc. in Wheaton, Md. "What is in question is, when the people who write the regulations take those and other scientific results and produce regulations. These regulations may or may not stand the test of peer review."

For instance, Cohen said, a group with the National Ground Water Association committee recently reviewed the proposed radon standards for drinking water and "we ripped it to shreds. This was after the regulation was published. And we found that the [EPA] Scientific Advisory Board [SAB] had done the same thing beforehand, but the EPA staff did not incorporate a lot of the SAB's comments."

Proposed regulations, Cohen said,

should be subjected to peer review.

Barnes agreed. "These are the kinds of things the administrator is looking at," he said. "Some people have said we should peer-review how the agency generates science ... and then review how the science was used. That's where people feel there may be a slipped cog somewhere along the line."

One question that would have to be answered is: When the studies apply to regulation, who should review that? "Once you've applied it [science] to regulation, it's no longer just a scientific issue," Barnes said. "It's now a policy issue and so on. So it's one of those things we still have to sort out."

...

The GAO report was requested in May 1991, leading to a panel of outside academicians finding of "uneven science" in March 1992. It took another year for one internal work group to begin developing procedures for managers to use in their peer-review decisions.

In January 1993 Reilly issued a peer review policy statement requiring that technically based products undergo peer reviews. But the edict was so vague and general that it "remains inconsistent and not fully effective," the report said.

On The Green

Frustrating criminals a Schlippert specialty

By MARK LESLIE

HORSHAM, Pa. — Call him Larry "Crime Dog" Schlippert if you like. But don't laugh. Schlippert, a certified golf course superintendent, could save his Commonwealth National Country Club thousands of dollars with some clever handiwork that has made a half-dozen very expensive benches theft-resistant.

"I stress that they are theft-resistant. Nothing is ever theft-proof," Schlippert said. "It's a deterrent more than anything. If thieves can't get them [benches] real easy, it deters them from taking them."

Schlippert and his crew have made signs, ball-washer attachments and club washers "theft-resistant," with a little extra effort and ingenuity.

Most are metal, rather than wood, "so cross-country skiers can't burn them for firewood," Schlippert laughed. "We've also bolted them so the bolts are inaccessible to standard tools."

"The only thing we lose is flag poles."

Schlippert's latest venture into crime prevention is Commonwealth National's six new redwood benches, which cost \$1,000 apiece.

In addition to making the benches theft-resistant, Schlippert said: "I wanted to bring them in during the wintertime because it is a seasonal club."

Exactly how did he do it?

- Put sona tubes (cardboard cylinders used as form framework for pouring concrete) in the ground and leveled them off at ground level.

- Put anchor bolts right into the concrete.

- Bolted the bottom of the benches to the anchor bolts. Used four bolts to hold each bench down — two in front and two in back. Schlippert used five-eighths-inch, threaded rods.

- In the back part of the bench, where the nut goes on top of the bolt, put a four-inch extension, a pipe, welded to the back part of

the mounting support and on top of the hole.

"The only way to get to the nut is with a six-inch extension," Schlippert said. "We also let the bolt stick up 6 inches. So a regular socket wrench wouldn't work. You have to have a six-inch extension."

"We took deep socket extensions, cut the top off, welded a piece of pipe to it and welded it

back on again so that the deep extension is six inches long."

Plastic caps are put over pipe extensions to keep debris and water out.

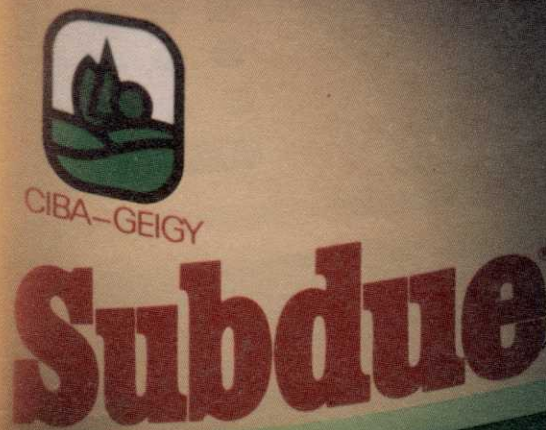
Unless a thief has a modified wrench, he "would have to torch the things off the concrete pads to get them," Schlippert said.

What works in Horsham should work anywhere, he believes.



Try stealing this! A Schlippert-secured bench at Commonwealth National

FOR 10 YEARS, SUPERINTENDENTS HAVE BEEN USING IT TO RELIEVE HEADACHES.



Pocks continue golf tradition

Continued from previous page
assistant at Grayhawk this summer, will help open Talon in late December and may assist with Raptor, Grayhawk's second 18-hole course, designed by Tom Fazio, when construction begins early next year.

"Initially, the boys went off to school wanting to become baseball players," Pock said. "But, then they got to a stage where their abilities would only take them so far. Like me, they were raised on golf courses. They've got a lot of knowledge, and they enjoy it. So, I guess, we'll continue to tradition."

GILBERTO VELAZQUEZ
White Eagle Golf Club
Naperville, Ill.
LPGA Chicago Challenge
Aug. 18-21, CBS' WBBM

When is more than enough too much? Ask White Eagle Golf Club superintendent Gil Velazquez. He not only has to prepare his Arnold Palmer-designed 18-hole track for the Chicago Challenge. He has to prepare it to become 27 holes — all at the same time. Indeed, the day after the Challenge ends, Velazquez' crews will start seeding the third nine. Construction has been un-

Continued on next page

JEFF BRANDT
Park Meadows GC
Park City, Utah
PGA Senior Tour
Franklin Quest
Aug. 25-28, CBS affiliate KSL

It's curious how growing up working on a golf course sets the path for a person's career. That is so with Jeff Brandt. Now 41, he was 11 when he started working on the driving range at Meadow Brook Golf Course in Taylorsville, Utah.

Brandt later worked in the pro shop, then got drafted into the military, returned to study business at the University of Utah, and — in 1986 — returned to the world of golf. He worked at Copper Golf Club in Magna, Utah, three years — one year as assistant superintendent and two as head superintendent. Five years ago, he joined Park Meadows. Last year was Brandt's first preparation for a major tournament. How does the second time around com-

pare? "I've been able to sleep nights this year," he replied.

THINGS TO LOOK FOR: The biggest complaint from players last year was inconsistent greenside bunkers. Even before the 1993 event Brandt began remedying that. Now, all 56 of them have been renovated, the old sand removed and replaced with a different type. (The 49 fairway bunkers on the 11-year-old Jack Nicklaus-

Continued on next page

ROBERT RANDQUIST
Southern Hills CC
Tulsa, Okla.
PGA Championship
Aug. 11-14, TBS/CBS

"Multi-talented" might not adequately describe Bob Randquist.

Here is a man who holds a bachelor's degree in metallurgical engineering from the University of Oklahoma (circa 1972).



A man who turned down law school to work on golf courses. A man who has earned status as a certified golf course superintendent. Randquist, 43, followed posts as assistant superintendent at Trosper Park Golf Club, a public course in Oklahoma City, for four years and at Oklahoma City G&CC for two years by taking the head superintendent position at Quail Creek G&CC in Oklahoma City for two years before coming to Southern Hills in late 1979. He has prepared Southern Hills for the 1982 PGA Championship and the 1987 USGA Women's Mid-Amateur Championship. Is Randquist concerned about the PGA Championship? Not at all. "We had a very easy winter and are in great shape," he said.

THINGS TO LOOK FOR: Randquist adds 10 people to his staff for tournament preparation two months ahead of time — primarily because "bunker maintenance becomes much more intense," he said. "We are checking depth on a much more regular basis. We run the sand fairly shallow for the championship at 2-1/2 inches. To keep that consistent, we have to monitor it closely. Players on Tour like it thin so the ball won't plug and they get great lies."

Crews water greens by hand in the evenings for a week and a half before the tournament for two reasons: to keep the sand completely dry in the bunkers, and to make sure no wet spots develop in the approach areas around the greens. "If we had the sprinklers on where they overcovered a spot, we might have an area that is soft and we really try to avoid that," Randquist said.

Southern Hills is heavily forested, and in last five years "we've done a lot of tree-trimming to lift canopies up and allow more sunlight and air movement," he said.

Par has been changed on two holes for fairness. In past championships No. 13 has been played as a par-4 at 470 yards. But the little 3,000-square-foot green, heavily bunkered and fronted by a pond, is built for a par-5. This year, at 537 yards, it is being played as "a real good gambling par-5," Randquist said. Also, the 465-yard 16th, which has been a par-5, is now a par-4.

For the championship the Bermudagrass roughs are being lengthened from 1-1/2 to 3 inches.

MADE-FOR-TV PREPARATIONS: Trees are trimmed to allow camera and broadcasting towers to be in the proper places.

GOLF COURSE NEWS

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Tour of Duty

Continued from previous page

Velazquez

derway this summer under the watchful eye of Palmer Design President Ed Seay and the Bruce Co. of Wisconsin.

A native of Arandasjal, Mexico, the 43-year-old Velazquez moved with his family to Aurora, Ill., when he was 16. He started working on an area golf course and "worked my way up," he said.

He worked at Cress Creek Country Club in Naperville for 22 years — 10 as an assistant and 12 as head superintendent, studying turf and ornamentals at Joliet College from 1980-86. In 1990 he was hired to take charge of course maintenance at the newly constructed White Eagle.

WHAT TO LOOK FOR: "We try to keep the course 100 percent all the time," Velazquez said. "We do not close even for a day" before the tournament.

This is White Eagle's third straight Chicago Challenge, and Velazquez' crews maintain the same height of cut for the LPGA players as for the club's 300 members: 1/8 inch on greens; 3/8 inch on tees, 1/2 inch on fairways, and 1 inch in the rough.

MADE-FOR-TV PREPARATIONS: For the television eye, Velazquez puts down one application of nitrogen about a month before the Challenge. And a couple of weeks out, his mowing crews begin burning in straight tee-to-green striping. White Eagle boasts bentgrass from tee to green. Roughs are a mix of bluegrass, ryegrass and fescues.

Brandt

designed course needed no work.) Brandt's crews started handraking the greenside bunkers in early August.

Park Meadows switches nines during the Franklin Quest. "It's good for the gallery, set up on a hill and with room for grandstands," Brandt said.

Park Meadows can play as long as 7,450 yards, though the seniors will play at 7,000. Since the course sits 6,900 feet above sea level, it will play closer to 6,300 yards for the seniors.

Brandt has greatly lowered the height of cut on the bluegrass fairways — from 11/16 to 3/8. He has maintained the normal 4.8-sixteenths cut on the bentgrass greens.

MADE-FOR-TV PREPARATIONS: Crews fertilize roughs and fairways about three weeks before the tournament, then hit greens and tees with iron one week out. Right-to-left striping is burned into the fairways.

ON THE MOVE

Rickert moves on to N.J. facility

MEDFORD, N.J. — **Bruce Rickert** has left the City of Brotherly Love for this community, where he is head superintendent at Medford Village Country Club. He had been superintendent at Torresdale-Frankford Country Club, and before that was assistant superintendent at Huntington Valley Country Club.

ROME, Ga. — **Jimmy Geter** has left The Farm Golf Club in

Rocky Face here to grow in the new Stonebridge Golf Club here.

Timothy Kennelly has taken over Geter's superintendent's post at The Farm. The former superintendent at the Naval Academy Golf Club in Annapolis, Md., Kennelly has worked at Oakmont Country Club in Pittsburgh and Inverness Golf Club in Toledo.

WINSTON-SALEM, N.C. —

Oneil "Mac" Crouch has left Augusta (Ga.) Country Club and joined the Old Town Club here.

Greg Burleson has accepted Crouch at Augusta Country Club.

FORTVALLEY, Ga. — **Michael Allen** is the new superintendent at Pine Needles Country Club.

GWINETTE, Ga. — **David Evans** has left Country Club of Gwinette to take charge of Apalachee Farms. Jeff Plotts has succeeded Evans.

ELBERTON, Ga. — Elberton Country Club has hired **Howard**

"Bubba" McDonald as superintendent. McDonald just graduated from Horry-Georgetown Community College in Conway, S.C.

LAKE PARK, Ga. — Stone Creek superintendent **Dave Foster** has left the Valdosta golf course to assume the superintendent's job at Francis Lake Golf Club here.

ALBANY, Ga. — **Chuck Dougherty** has accepted the position of construction superintendent at Grand Bay Golf Club here. He was superintendent at Valdosta Country Club.

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SG-181

Poa trivialis pushing perennial ryegrass in some overseeding areas

By MARK LESLIE

The staple turf seed for superintendents who must overseed remains perennial ryegrass. But a trend toward more blends using poa trivialis and bentgrass or ryegrass continues.

Half the ryegrass sold to golf courses is for overseeding. Unlike other grasses, which are selected for their ability to live through all circumstances, the best overseeding grasses need not have those grand qualities.

"If it stays green, good. Quality is secondary," said Skip Lynch, national sales manager for Seed Research of Oregon.

"We are selecting perennial ryes just for color, texture and winter color," said Tubbs. "In the South, all they want is dark, quick cover for the winter months. If you select a good variety for New Jersey, you get one that's too strong and hangs on too long for overseeding."

The other half of the perennial rye market — as a permanent turf or mix in the North — is a premium market, a different creature altogether.

Meanwhile, production of poa trivialis in the last five to seven years has tripled in Oregon — a forceful sign of its growing popularity.

"Poa triv transitions much easier than perennial ryegrass and, in general, a mixture of ryegrass and poa triv will transition more smoothly than a straight ryegrass mix," said Tom Stanley, marketing manager of Turf Seed in Hubbard, Ore.

"It comes up as quickly as ryegrass. You can mow it closer. Some of the new varieties are very dark," Tubbs said, adding that the old varieties were light-green.

Superintendents are using a blend of poa trivialis and bentgrass — sometimes 60-40 or, in Fred Klauk Jr.'s case, 75-25. It is a trend that began in Florida, said Klauk, superintendent at TPC-Sawgrass in Jacksonville, Fla., adding, "I've been doing it for 15 years."

One Georgia superintendent said most courses in the Augusta area overseed with bentgrass or a bent-poa trivialis blend.

With this mix, Tubbs said, crews "can put

the seed right on the Bermudagrass. The seed is very small. It falls into the nape of Bermuda. The poa triv comes up in five to seven days, so they get quick green cover from and it can be mowed at 1/16 inch. That gives the bentgrass time to establish — about

28 days for a full germination.

"A guy doesn't have to close his greens. The turf gets established under playing conditions. And it provides fast putting and looks great in the winter but dies in May when Bermuda is trying to come back."

Breeders are developing for speed in all varieties. "We are screening the seedlings of all our varieties and getting ones that come up first, hoping to shave time off germination," Tubbs said. "Overnight is not too fast."

Continued on next page

Leading cultivars in National Perennial Ryegrass Test's 3rd-year results

Name	CO1	DC1	IA1	ID3	IL1	IL2	KS2	KY1	MD1	MI1	NE1	NJ1	NJ2	NJ3	OR7	OR9	UB1	VA1	WA1	WA3	Mean
*Cutter	7.2	3.5	6.8	6.0	5.7	8.2	6.5	6.3	6.7	5.5	5.8	7.0	5.4	6.0	6.6	6.5	7.3	5.5	7.0	4.0	6.2
*Repell II	7.2	3.3	6.3	6.1	6.6	6.8	6.8	6.7	6.9	5.7	6.0	7.0	6.3	5.3	6.2	6.6	7.3	5.4	6.3	4.0	6.1
*Seville	7.1	4.6	6.1	5.9	6.5	8.5	6.3	6.1	6.5	5.5	4.8	6.3	5.8	5.3	6.2	6.8	7.1	5.1	6.7	4.8	6.1
*Prelude II	6.9	2.6	6.8	6.7	5.7	7.4	5.5	6.1	6.5	5.9	6.0	7.0	7.1	5.7	6.1	6.6	7.4	4.7	6.8	4.2	6.1
*Prizm	7.3	3.0	6.4	5.6	6.1	8.3	6.2	6.0	6.4	5.7	5.4	7.5	6.2	5.5	6.2	6.7	7.3	5.2	6.6	4.0	6.1
*Palmer II	7.1	2.9	5.8	5.3	5.9	7.3	6.2	6.9	6.3	5.8	5.3	6.6	6.8	5.2	6.7	6.6	7.6	5.5	7.0	4.5	6.1
*Advent	7.1	3.3	7.2	6.2	5.9	7.5	6.7	5.8	6.4	5.5	5.0	6.9	6.1	5.8	5.5	6.7	7.0	5.4	6.8	4.5	6.1
*Riviera II	6.9	3.7	6.9	5.8	5.8	7.9	6.3	6.7	6.4	5.7	5.7	6.7	5.4	5.7	5.8	6.6	7.2	5.1	6.9	4.0	6.1
*Precision	6.6	3.9	7.4	6.2	5.4	8.1	6.0	6.8	6.3	5.5	5.7	6.3	6.4	5.7	5.8	6.6	6.4	4.9	7.1	4.2	6.1
PST-2ROR	6.9	3.5	7.2	6.3	N/A	7.9	6.3	6.4	6.8	6.3	5.8	5.6	6.0	5.2	6.3	6.4	6.6	4.8	6.7	4.2	6.1
*SR 4200	7.1	2.4	6.2	6.7	6.3	6.9	6.7	6.4	6.8	5.7	5.8	7.0	5.3	5.3	5.8	6.4	6.9	4.8	7.1	4.7	6.0
*APM	6.8	3.0	7.1	5.9	6.3	7.9	6.5	5.9	6.7	5.7	5.0	6.5	5.3	5.0	6.5	6.8	7.2	5.1	6.4	4.7	6.0
*Stallion Select	6.9	3.4	6.8	5.9	5.9	6.9	5.7	6.1	6.7	5.7	5.9	7.5	5.8	6.2	5.8	6.4	7.2	4.5	6.8	4.0	6.0
PST-28M	6.9	3.0	6.7	6.1	5.8	8.6	6.2	6.5	6.7	5.7	5.2	6.4	5.2	5.3	6.6	6.6	7.3	4.9	6.4	4.0	6.0
*Morning Star	7.2	3.8	6.0	5.9	5.1	7.7	7.0	6.2	6.3	5.4	5.6	6.5	6.2	5.8	5.8	6.3	7.0	5.1	6.3	4.5	6.0
*Brightstar	7.2	3.0	5.7	6.1	5.2	7.8	6.5	6.9	6.3	5.4	5.5	6.5	5.8	5.2	6.6	6.2	7.4	4.7	7.1	4.5	6.0
PST-2FF	7.1	3.0	6.1	6.2	N/A	7.3	6.5	6.4	6.6	5.6	5.9	6.1	5.5	5.5	6.4	6.6	7.0	5.3	6.6	4.0	6.0
*Delaware Dwarf	6.7	4.0	7.1	6.5	5.7	7.7	6.7	6.5	6.7	5.7	5.0	6.3	5.8	4.8	5.8	6.2	6.7	4.7	6.6	4.5	6.0
PST-23C	7.0	4.0	5.8	6.0	N/A	8.0	6.3	6.0	6.7	6.0	5.4	5.9	5.8	5.5	6.4	6.3	7.0	4.0	6.8	4.5	6.0
*Nighthawk	7.1	3.1	5.9	6.3	5.2	7.8	5.8	6.6	6.4	5.5	6.3	6.9	5.9	6.0	6.2	6.4	6.7	4.0	7.2	4.0	6.0
*Yorktown III	6.9	3.5	6.4	5.0	6.4	6.9	6.0	6.3	6.8	5.5	5.3	7.0	5.4	6.0	6.5	6.8	6.9	4.4	6.8	4.5	6.0
*Assure	7.2	3.1	5.9	5.4	4.8	8.3	6.0	7.0	6.8	5.4	5.5	6.1	5.7	5.7	5.7	6.8	7.5	5.0	7.1	4.2	6.0
*Achiever	6.8	3.2	6.8	5.5	6.2	7.9	6.5	6.5	6.6	5.8	5.6	6.9	5.3	5.5	5.6	6.4	6.6	4.5	6.4	4.3	5.9
*Gettysburg	6.9	3.2	6.9	6.1	5.8	7.5	5.8	6.2	6.3	6.1	4.9	6.2	6.0	5.5	6.0	6.6	7.2	5.2	6.6	4.0	5.9
Pick EEC	6.9	3.8	6.5	6.1	5.6	7.4	5.8	6.8	6.6	5.8	5.8	6.7	5.7	5.0	4.8	6.6	6.5	4.6	7.3	4.5	5.9
*Dandy	7.1	3.8	6.9	6.0	5.8	7.2	6.0	6.9	6.5	5.7	5.7	5.7	4.9	5.3	5.7	6.4	6.4	4.7	6.9	5.0	5.9
*Affinity	6.8	3.5	7.3	5.4	5.6	7.7	5.7	5.8	6.4	5.5	6.0	6.4	5.8	5.2	6.2	6.6	7.0	4.6	6.4	4.3	5.9
PST-290	6.7	3.5	7.1	5.5	5.4	6.7	6.2	6.4	6.6	5.7	5.8	6.4	5.6	5.8	6.3	6.5	6.6	4.4	6.6	4.3	5.9
*Navajo	6.5	4.0	7.4	6.0	5.9	7.0	6.5	6.1	6.5	5.7	5.8	5.9	4.8	4.8	6.6	6.2	6.4	4.8	6.7	4.3	5.9
*Pinnacle	7.1	3.3	6.1	5.9	5.6	8.1	6.3	6.1	6.7	5.4	5.1	6.8	5.6	5.2	5.3	6.4	7.2	4.8	6.2	4.3	5.9
*Legacy	6.9	3.8	6.4	5.8	4.7	7.7	6.2	6.8	6.4	5.5	5.4	6.2	5.5	5.3	5.9	6.6	6.9	4.8	6.7	4.2	5.9
*Greenland	7.3	3.3	5.8	4.6	5.5	7.4	6.3	6.3	6.6	5.3	5.7	6.3	6.8	5.0	5.9	6.8	6.8	4.3	6.9	4.2	5.9
89-666	6.8	3.6	6.0	6.0	5.7	7.5	5.7	6.2	6.5	5.6	5.6	6.6	4.9	5.0	5.1	6.3	7.4	5.3	6.6	4.3	5.8
*Buccaneer	7.1	3.3	6.6	6.0	5.5	7.3	6.2	6.3	6.5	5.5	4.9	5.6	6.3	4.8	5.4	6.4	6.8	5.0	7.1	4.0	5.8
*Quickstart	7.2	3.0	6.7	5.8	5.2	7.6	6.5	5.9	6.7	5.6	5.3	6.5	5.9	4.5	5.5	6.4	6.8	4.3	6.6	4.0	5.8
*Shining Star	6.9	3.1	6.5	5.9	5.7	7.1	6.0	6.5	6.4	5.8	5.4	5.6	5.5	5.2	5.6	6.6	6.8	4.8	6.4	4.2	5.8
*Equal	6.9	3.6	6.1	5.9	5.4	6.6	6.5	6.2	6.3	5.7	5.2	5.8	5.1	5.3	6.2	6.4	7.0	4.6	6.7	4.3	5.8
*Envy	6.6	3.9	6.8	5.9	5.3	7.5	6.5	5.9	6.4	5.5	5.9	5.5	4.6	5.2	5.6	6.3	6.6	4.7	7.0	4.0	5.8
*Fiesta II	6.6	3.7	7.0	5.8	4.7	6.5	7.0	6.2	6.4	5.9	5.5	5.1	4.3	5.5	5.6	6.4	6.1	4.8	7.0	4.5	5.7
*Target	6.8	3.3	6.4	5.9	5.7	5.9	6.5	6.3	6.4	5.7	5.3	5.8	5.8	5.3	5.1	6.4	6.7	4.7	6.4	4.0	5.7
PST-20G	7.0	3.8	7.3	5.6	5.4	6.9	6.0	5.9	6.3	5.8	5.9	4.7	4.8	4.8	6.0	6.3	6.5	4.6	6.4	4.3	5.7
*Sherwood	6.7	3.3	6.8	5.8	5.2	7.6	6.5	4.3	6.6	5.7	5.8	5.6	4.9	5.2	5.8	6.2	6.6	4.7	6.8	4.2	5.7
*Express	6.7	3.5	6.3	6.3	5.9	7.6	5.5	5.9	6.3	5.5	5.4	6.3	5.3	5.3	4.7	6.3	6.4	4.4	6.2	4.3	5.7
*Essence	6.7	3.7	6.7	5.5	4.9	6.9	5.8	6.0	6.2	5.5	6.2	5.9	3.9	4.5	7.0	6.4	6.7	4.4	6.9	4.0	5.7
*Gator	6.8	4.0	7.3	4.9	N/A	5.7	6.2	6.0	6.3	5.9	5.3	5.0	4.5	5.5	5.2	6.0	6.4	5.7	6.3	4.8	5.7
WVFN 89-92	6.5	3.4	7.3	5.8	4.7	6.6	5.5	5.8	6.6	5.8	6.2	5.1	4.8	4.8	6.0	6.4	6.5	4.9	6.6	4.0	5.7
*Competitor	6.3	3.8	6.2	5.8	5.1	6.6	6.2	6.2	6.4	5.7	5.4	5.1	4.1	5.2	6.2	6.3	7.1	4.6	6.8	4.2	5.7
HE 311	6.6	3.3	7.7	6.2	5.2	5.5	6.8	6.1	6.4	5.7	5.3	4.9	5.2	5.0	5.9	6.2	6.0	4.7	6.2	4.3	5.7
*Statesman	6.9	3.2	6.6	5.8	N/A	6.6	5.8	5.5	6.3	5.5	5.7	6.1	4.6	5.3	5.5	6.2	6.3	4.5	6.6	4.3	5.7
*Dimension	6.9	2.8	6.9	5.6	5.1	7.7	5.3	5.9	6.4	5.5	5.3	6.6	4.8	5.0	5.5	6.5	6.5	4.5	6.2	4.0	5.7
*Manhattan II	7.1	3.8	6.9	5.8	N/A	6.7	6.0	5.6	6.8	5.6	5.2	5.5	3.6	5.7	5.2	6.0	6.4	4.9	6.6	4.3	5.7
LSD Value	0.5	1.0	0.9	1.1	1.0	1.4	1.3	1.2	0.5	0.6	1.0	0.9	1.4	0.9	1.0	0.4	1.1	0.9	0.9	0.7	0.2

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Here are the locations of the field tests, followed by soil texture, soil pH, pounds of nitrogen applied per 1,000 square feet, mowing height in inches and irrigation practiced.

CO1 — Fort Collins, Colo., Sandy clay loam, 7.6-8.5, 4.1-5.0, 0.6-1.0, to prevent stress.

DC1 — Washington Monument Grounds, D.C., N/A.

IA1 — Ames, Iowa, sandy clay loam, 7.1-7.5, 2.1-3.0, 2.1-2.5, to prevent stress.

ID3 — Rathdrum, Idaho, silt loam and silt, 7.1-7.5, 4.1-5.0, 1.1-1.5, to prevent stress.

IL1 — Urbana, Ill., silt loam and silt, 6.1-6.5, 3.1-4.0, 1.1-1.5, to prevent stress.

IL2 — Carbondale, Ill., silty clay loam, 6.1-6.5, 4.1-5.0, 1.1-1.5, only during severe stress.

KS2 — Wichita, Kan., sandy loam, 6.6-7.0, 3.1-4.0, 1.1-1.5, to prevent stress.

KY1 — Lexington, Ky., silt loam and silt, 6.1-6.5, 2.1-3.0, 1.1-1.5, only during severe stress.

MD1 — Silver Spring, Md., sandy loam, 6.1-6.5, 4.1-5.0, 0.0-0.5, to prevent stress.

Southern equation differs from course to course

Continued from page 11

posed to — when the Bermuda-grass comes back,” said Steve Tubbs, vice president of Turf Merchants in Tangent, Ore.

• Some supers overseed to keep their courses green, some because of heavy traffic, some to maintain high green speed.

• Some overseed just greens and tees, some just fairways and some wall-to-wall.

• Perennial ryegrass is the backbone of the cool-season overseeding business. But poa trivialis (rough bluegrass, basically a weed) is the new blue-chip kid on the block, and a number of superintendents are mixing it with bentgrass to overseed Bermuda.

Superintendents avoid over-seeding if they can, mainly because of the cost and labor, and the hassle of dealing with two transitions — that from Bermuda to the “overseed” and the return back to Bermuda.

“We’re further south,” said Hiers, who does not overseed at his private country club. “It’s warmer. We don’t have shade problems. We don’t have traffic problems. And we’re willing to bear with the inconvenience of maybe 10 or 12 off-color days a year versus the inconvenience of preparing for over-seeding, maintaining it and then going out of transition.”

Some have no choice. Their courses get continuing heavy traffic or have a lot of shade. If they didn’t overseed they would be without grass in some areas in January, February and March.

“We conduct a PGA Tour event [The Players Championship, March 24-27], so we overseed to provide the best quality playing conditions we can during a dormant Bermudagrass season,” said Fred Klauk Jr. at TPC-Sawgrass in Jacksonville, Fla. Klauk explained most courses in the area overseed greens, tees and fairways “because of the climate and resort clientele we have here. They want to come to a green golf course.”

“Many overseed to provide color. We do it to provide a total

ryegrass playing surface,” said the superintendent at a well-heeled Georgia course.

“Southern California is so varied, it’s a whole new ball game 40 miles away,” said superintendent Ray Davies of Virginia Country Club in Long Beach, Calif. “Public and resort courses looking for winter play absolutely have to overseed. They’re going for color.”

“It’s a mixed bag in Los Angeles. All courses overseed in Palm Springs. San Diego is very heavy into overseeding as well.”

“There are so many variables,”

said Hiers. “In some cases it’s 50-50. You’re doggoned if you do and doggoned if you don’t. And every year is different. You might have a hot winter or a cold winter, hot early and cold later, or cold early and hot later.”

“If you put your seed down and it stays hot, you’re hurting. Or if you put your seed down and get four inches of rain the next day, you’re hurting.”

Success or failure depends largely on the weather. “Obviously, if you’ve got a strong overseeded stand on a small green that’s heavily shaded, that’s going to be the place where you have a transition prob-

lem,” Hiers said. “Typically, the overseeding will hang on longer there, which makes it even worse on the Bermuda. And finally, when the overseeded area checks out, there’s often not much Bermuda left.”

On the California coast, Davies has observed what he calls “the seven-year cycle.”

“Guys will overseed for a few years, then have problems and back off, and a few years later they try it again,” he said.

The problems regard the transition periods from Bermudagrass to ryegrass, then back to Bermuda.

“The first three years or so, the

transition back to Bermuda isn’t bad,” Davies said. “But then it begins getting sparse and you end up with mediocre spring and early-summer fairways. If we overseed our Bermuda on the coast with ryegrass, it’s my feeling that after five years all you’ve got left is ryegrass.”

“In Palm Springs they close the golf courses for four weeks. We can’t do that, and we don’t have the warm weather that burns off the ryegrass and grows in the Bermuda. We can have a hot spell where the ryegrass goes out, then get cold and the Bermuda doesn’t come in. So you end up with really weak fairways in the spring,” he added.

YEARS OF UNIVERSITY TESTS SHOW CYPRESS POA TRIVIALIS AS THE SUPERIOR CHOICE FOR OVERSEEDING!

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TMI will be happy to send to you copies of the complete trial data for any of the trials we have mentioned below.

University of Florida 1991-92 Overseeding Trials Gainesville, Fla.		
	Mean Quality Scores	Color
Cypress	7.2	7.8
Sabre	7.2	5.4

University of Arizona 1992-93 Overseeding Trials		
	Mean Quality Scores	Color
Cypress	5.4	5.3
Laser	5.0	5.0

USGA Stimpmeter tests at University of Arizona revealed a higher average ball speed of 92 inches for Cypress; better than for Laser.

“Although Cypress and Sabre Rough Bluegrass had equal seasonal Turf Quality Ratings of 7.2, the “Cypress” cultivar had better color and less dollarspot disease in May.”
Univ. of Florida Gainesville 1991-1992 overseed Trial.

Poa triv or rye?

Continued from page 16

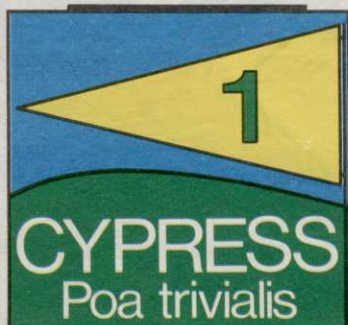
Naming perennial rye as primarily the grass of choice, Jacklin Seed Co. Research Director Dr. Doug Brede said a few years ago someone got the idea to hybridize annual rye with perennial rye to capitalize on the easy spring transition offered by the annual rye.

“These so-called intermediate ryegrasses have been poorly accepted by golf courses, because their cost was similar to perennial ryegrass and their performance was similar to annual,” he said.

Brede said weather is ideal for overseeding in the autumn when night temperatures start regularly dropping to 55 to 65 degrees Fahrenheit. Soil temperature at a four-inch depth should be between 72 and 78 degrees, he said.

GOLF COURSE NEWS

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Monthly and seasonal mean values for turf quality on cool-season grasses overseeded on a ‘Tifdwarf’ bermudagrass putting green from Dec. 1993 to Mar. 1994 at Gainesville, Fl.					
Turfgrass	Dec.	Jan.	Feb.	Mar.	Mean
Cypress	6.8	8.2	8.0	6.8	7.25a
Colt	7.1	8.2	7.8	8.5	7.19a
PT-GH-92	6.3	7.8	8.0	7.1	7.19a
LPT-CT (Loft)	6.6	7.8	8.0	6.8	7.16a
PT-GH-89 C11 (Dark Horse)	8.1	7.3	7.8	7.0	6.97a
Danish Common	7.5	8.2	7.5	5.8	6.94a
LPT-HWY (Loft)	6.6	7.7	7.9	8.2	6.88a
Winterplay	6.6	7.5	7.8	6.3	6.88a

Quality mean based on eight visual ratings on a scale of 1-9 where 9 = best

Establishment rate of Poa trivialis varieties overseeded on dormant bermudagrass in Florida (data from Dr. A.E. Dudeck, Univ. of Florida)			
days:	7	14	21
—% ground cover—			
1991			
Cypress	2	23	79
Sabre	2	17	70
1992			
Cypress	87	93	86
Laser	36	58	83

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Northern supers battle poa annua in overseeding programs

Continued from page 11

takes two forms: overseeding bentgrass with another variety bentgrass, and overseeding poa annua with bentgrass.

"A lot [of superintendents] overseed, especially at the older courses, because of the amount of poa in their greens," said superintendent Gregg Grenert of Samoset Resort Golf Club in Rockport, Maine. "They're trying to introduce new species of bentgrass. Poa is such a vulnerable grass to the type of winters

we get and it's a bad situation to come out of spring year after year with so much of your greens dead.

"Bent's a lot more tolerant of the type of winters we have. It's more disease resistant. And it's superior as far as traffic and recoverability are concerned."

Grenert, who maintains PennCross bentgrass, added: "Grass does get old. It's always nice to get nice new healthy seedlings. There are so many new varieties coming onto the market now that can accept lower heights



Don Sweda

of cut, are conditioned for less watering, and are more disease-resistant." At Columbia Hills Country Club in Columbia Station, Ohio, superintendent Don Sweda overseeds "to fight the never-ending poa battle. It's never going to go away."

"If you have a brand new course you're always struggling to keep poa out. If you have an old, established course, you're trying to figure out how you get bent back because you have so much poa," he said.

Sweda, who joined Columbia a year ago, said his course has been seeded over the years with several different bentgrasses, and he is overseeding to encourage just PennCross.

...

Bent-on-bent overseeding is

generally practiced when physical damage, such as divots or disease, to the turfgrass is evident, Connolly said, adding that widescale overseeding into a healthy stand of turf can be like "buying insurance."

"The benefits of overseeding must be viewed as long-term improvement with the possibility of eventually increasing the percentage of desirable grasses," he said.

Connolly said superintendents should take the opportunity to improve their existing turf, overseeding it with new, improved varieties.

"Overseeding putting greens with improved bentgrasses is gaining popularity, especially in the Northeast," he said.

Benefits of overseeding turfgrass, Connolly said, are:

- More uniform playing surfaces.
- Increased plant density and smoother playing surface.
- Replacing inferior varieties with genetically advanced varieties.
- Better competition against weed invasion.
- Insurance against winter injury.

...

August is the month of Catch-22 greenkeeping in the Northern tier of the United States. It is the optimum time to seed turfgrass. Yet, it is the peak playing season.

"Adjusting to aerification and overseeding in August can be a difficult thing to swallow," Connolly said. "But more and more club memberships are accepting August overseeding as a common maintenance program."

Grenert and other colleagues hail the JobSaver, an attachment to Ryan aerators, as avoiding interruption of play.

"It's a good way to get seed into established areas without disturbing the playing conditions," Grenert said. "The problem with overseeding, especially with the overseeders themselves, is that you're taking out more grass than you're trying to grow. Those vertical blades rip out stolons. It's almost like you're defeating the purpose."

...

Indeed, Grenert and others have discovered that using or not using certain equipment can eliminate poa annua.

"It's amazing. By light-weight mowing and eliminating cart traffic on fairways, I'm promoting the heck out of bentgrass," he said. "I haven't introduced any new seed in my fairways in 14 years. Yet, our fairways were 80 percent poa annua and now they're 80 percent bent — simply from cart restriction and light-weight mowing. We also pick up clippings, and I try to mow in the evening when you get a better clip."

"There's a lot to be said about traffic control."

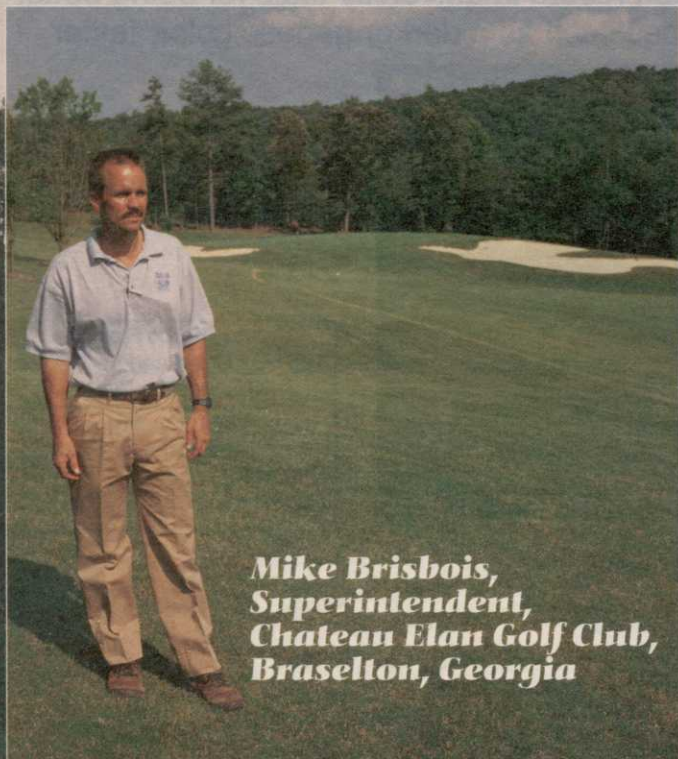
Grenert also credited his former lack of fairway irrigation for helping the cause of the bentgrass.

GOLF COURSE NEWS

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Nobody's ever happy during overseeding time — 'even your dog'

By MARK LESLIE

When a superintendent over-seeds, "your wife's unhappy, your dog's unhappy, your crew's unhappy, the members are unhappy — everybody's unhappy," says Tim Hiers.

"If I can tell you one thing, it's this: There are few people who look forward to overseeding," said the golf course manager at Collier's Reserve in Naples, Fla.

"It's probably the most stressful thing a superintendent has to

do," said Steve Tubbs who, as vice president of Turf Merchants in Tangent, Ore., hears from — and commiserates with — many greenkeepers around the country.

Speaking of Northern superintendents, Stubbs said: "He has to time it so he hits the overseeding just when the Bermudagrass is about to go off-color.

"If he's too early, the [overseeded] grass might come up and fight the Bermuda. Or if the heat comes back, the Ber-

muda stays active. If it cools too quick, they're in trouble. Every green needs soil temps to germinate.

"Superintendents have to do it under playing conditions. They have to blow it on. And members want it up immediately."

Overseeding in the South, said Turf Seed Marketing Manager Tom Stanley, is "critical to superintendents. Most of their play takes place in the wintertime and they need to have those courses looking crisp and green

to attract

golfers. A

lot of that

play in Ari-

zona and

Southern

California is

very expen-

sive, and if

they don't

overseed they're

shot out of the

water because

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to golf on

brown fairways —

espe-

cially if they're

playing for big

bucks."



Tom Stanley

'A lot of... play in Arizona and Southern California is very expensive, and if they don't overseed they're shot out of the water because nobody wants to golf on brown fairways.'

— Tom Stanley
Turf Seed

Overseeding business: High-volume but low-margin

Continued from page 1

half of perennial ryegrass, is used for overseeding, according to Tubbs, who estimated annual use at 15 million pounds in California's Palm Springs area, 15 million in Florida, 10 million in Arizona, and 4 million to 5 million in Texas.

But, he added: "You're talking high-volume, low-dollar, very low-profit, very low-margin. This year we'll be lucky to make 10 percent on the perennial ryegrass overseeding business..."

"You sell rye for 60 to 70 cents a pound. We pay farmers 42 cents per pound. Add royalties and freight, and there's not much profit there."

Despite the low profits, most seed companies have varieties in the marketplace. About three dozen firms entered 123 varieties in the latest National Turfgrass Evaluation Program tests (See chart, page 16). Most of those varieties are available from dealers.

"When color and texture are achieved in any number of varieties, you're down to selling service, or quality, or personalities," Tubbs said. "We try to come up with different things like the best creeping bentgrass for over-seeding, the best poa trivialis [rough bluegrass]..."

"It's come to the point that your ability to get new business is predicated on your ability to produce poa trivialis."

More attention has been paid in the last five to seven years to developing poa trivialis than at any other time, Tubbs said.

Oregon State University reports more than 3,000 acres of poa trivialis in production in Oregon this year. "That's probably triple the numbers of five to seven years ago," Tubbs said.

Poa trivialis sells for a more substantial (than ryegrass) \$2.25 to \$2.50 per pound but less than its partner in a popular overseeding mix, bentgrass. Bentgrass sells for around \$7.50 a pound, and coated bent (which doubles the volume) for about \$3.50 a pound.

GOLF COURSE NEWS

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GREENS ROLLERS

The odyssey takes another turn as practice returns to its roots

By HAL PHILLIPS

The practice and related saga of greens rolling has come full circle.

At the turn of the century, greens rollers were commonplace. Putting surfaces were often rolled into submission with large cylindrical beasts that more closely resembled steam rollers. Pounds per square inch (psi) was not a consideration.

Slowly, this practice fell out of favor before being revived in the late 1970s, as members clamored for ever-faster putting surfaces.

The mid-1980s saw another fall in greens rolling stock, as overuse and misuse of the equipment resulted in severe compaction problems. Greens and superintendent jobs were lost.

Today, greens rolling is enjoying a comeback as the emphasis shifts from creating speed to creating healthier, more consistent turf conditions on the green.

"It's like any other tool," said Tim Hiers, superintendent at Collier's Reserve in Naples, Fla. "If used properly, it can be a great benefit."

"I'm not rolling my greens for speed, though. If I can raise my cutting height and maintain a consistent speed, I'll do it. That's what the roller does."

"By raising the cutting height, I get a deeper root system and more leaf surface. And that means better resistance to foot traffic, less water and few pesticides."

Some manufacturers of "greens rollers" cringe at that label. "Turf iron" is more appropriate, they maintain, because new models are lighter and designed to create more consistent putting surfaces, not necessarily faster ones. Further, the heavy duty greens "roller" is still a useful tool when it comes to greens construction, i.e. smoothing out green beds before seeding or sodding.

According to North Carolina State researcher Chris Hartwiger — who presented a report on greens rollers at this year's Golf Course Superintendents Association of America show — three broad categories of rollers are in use:

- The self-propelled unit designed specifically for rolling greens. "Typically, these units have two or three rollers, with one or more... acting as the propulsion force or drive roller," said Hartwiger, who added this type of machine places 3.5 to 7.5 psi, depending on the weight of the operator.

- The triplex attachment,

allowing greens to be rolled according to the same pattern they are mowed. The psi associated with these models tend to be lower than self-propelled models, as they are even lighter. One manufacturer has added to a lightweight rolling attachment a vibratory element designed to settle irregularities in the green without taking a heavier roller

across the green.

- The single- or multiple-drum roller, most often pulled behind a utility vehicle. Sand, water or other ballast can be added to the drum to increase the roller's weight.

Hartwiger cited two North Carolina State studies that shed light on rolling practices.

One study explored "the idea that rolling could be substituted

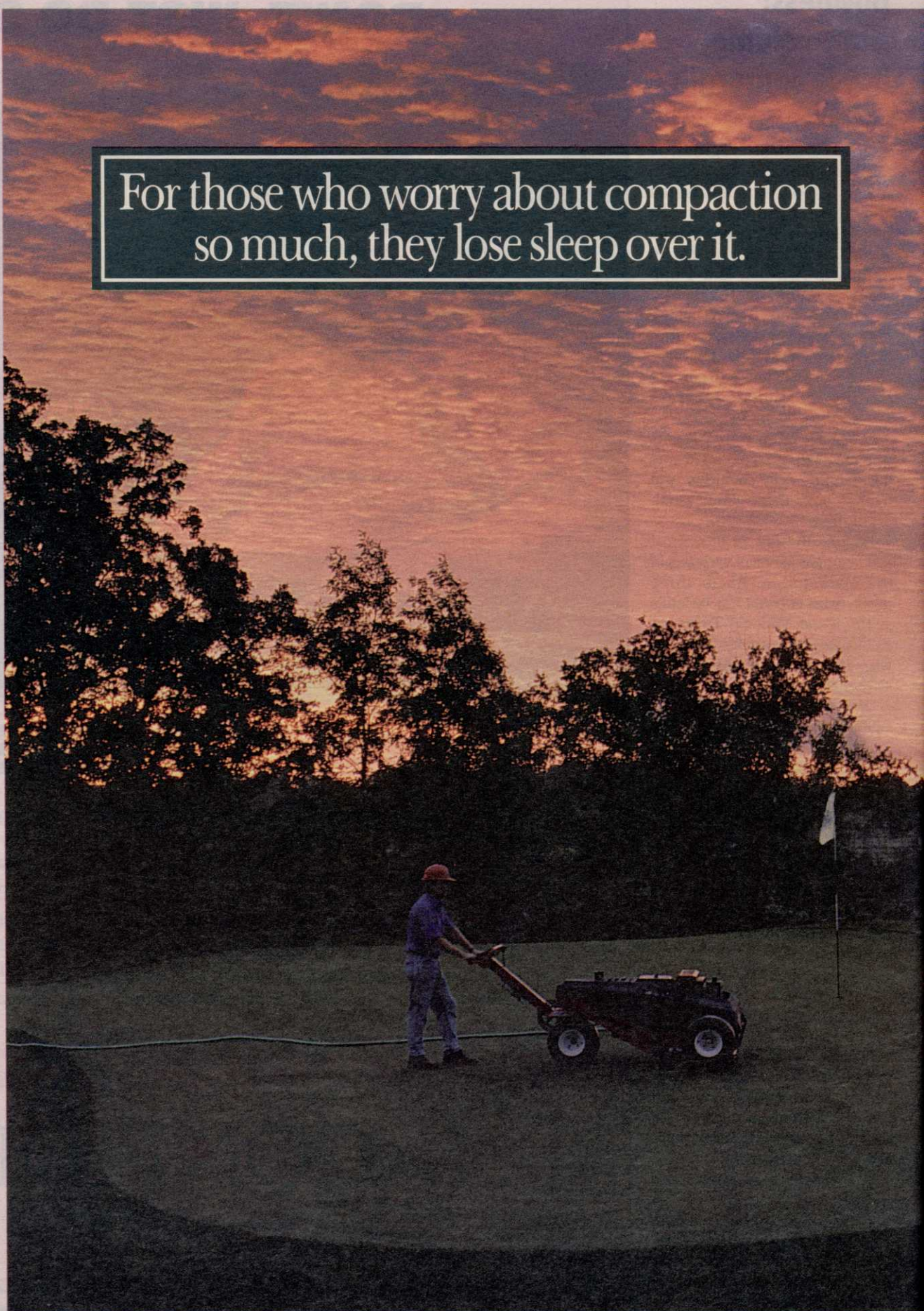
for mowing while still maintaining the desired green performance," Hartwiger explained.

"Bentgrass plots on a high sand root zone were either rolled three times and mowed four times per week, or rolled one time and mowed six times per week. On the day the plots were not mowed, they received a rolling treatment. Preliminary results indicate the green

speed remained relatively consistent throughout the week. "

Both studies showed that compaction increases when greens are rolled more than three times per week, especially on putting surfaces built on clay-based soils. "Also, the shorter the mowing height, the greater the visible turf loss," Hartwiger stated.

For those who worry about compaction so much, they lose sleep over it.



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Superintendents, other agronomists level with roller expertise

The following is a list of practical recommendations for roller use, gathered from a survey of U.S. Golf Association agronomists, roller manufacturers and golf course superintendents. The list was presented by Scott Niven, CGCS, at Stanwich Country Club, Greenwich, Conn., at the 1994 Golf Course Superintendents Association of America show.

- The majority of damage caused from rolling is not overuse but operator error. Good training is imperative and operators

must be very conscientious.

- There are limits to how much rolling can be tolerated on heavy, high-clay-content soils. Sand-based greens can tolerate regular rolling, but still may show wear effects.

- If your greens weaken in the presence of extra stress, be very careful adding rolling to your greens maintenance program. This added stress could be very detrimental.

- All rollers are not created equal. There are significant differ-

ences from one roller to the next. Take the time to study and test a few rollers to assure you purchase the right one for your style of greens and surrounding areas.

- Double-cutting can be eliminated with rolling. But if you cut and roll at the same time, that equals about the same wear and compaction as double-cutting. However, rolling gives you a higher quality finish and more speed than double mowing will or virtually any other practice.

- If you cut (.140-inch height)

and roll daily for a special event, it is common to hold speeds of 11 and 12 on the Stimpmeter for each day. However, after four or five days, greens will show some significant wear and discoloration. Give them a rest.

- There are added labor costs if you cut and roll each time out. To save on extra costs, some superintendents have eliminated cutting on days they roll. This also reduces wear that rolling can create when you mow and roll the same day.

- The most common scenario shows that one day after rolling, 50 percent of the speed gained has been lost. One the second day, 75 percent of the speed is lost. Greens return to normal by day three.

- Superintendents with sand-based greens who roll five or six days per week have invariably raised their heights of cut to some degree. Some wear and yellowing can still be a problem, however.

- The preferred rolling schedules for those with bentgrass greens is either Wednesday/Saturday or Tuesday/Friday.

- Expect to lose cup placements due to a fairly large increase in speed. This can be a real problem on severely undulating greens or small greens where pin placements are already limited.

- No matter what type of roller program you're on, if the turf becomes weak from drought stress, heat or too much rainfall, you must be willing to discontinue rolling until the turf returns to a healthy condition.

- Top-dressing frequency can be reduced with roller use. Smoothing the surface is taken care of by the roller. This reduces bedknife wear from top dressing as well. Rolling after top dressing also presses the material into the turf and reduces bedknife wear for the next few cuts.

- Grooming, Verti-cutting and brushing can be reduced. These processes only need to be done to help eliminate grain as needed, which also helps reduce spike marks from golf shoes.

- Rolling greens after core aeration or Verti-draining improves can improve putting and speed up recovery time. Rolling newly sodded greens or tees also speeds establishment and improves the finish quality.

- After the greens have dried out in the spring, rolling can do a good job of smoothing the surface prior to the first mowings.

Cape Cod town appoints Passios

Continued from page 11

Association of Cape Cod and past vice president of the New England GCSA.

He was a director of the GCSAA for three years, two of which he served as government liaison representing the organization in Washington, D.C.

His appointment by the Town Council came about, he said, because of his scientific background and work, which recently included obtaining BCC approval for the restoration master plan for his club, which contains a lot of coastal salt marshes.

He also parlayed a perpetual maintenance agreement for his club with BCC.

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Diversity proves to be the root of longevity in many turfgrasses

The ghost of Toronto C15 lives on, ever pushing superintendents to seek a genetically diverse stand of turfgrass, according to Skip Lynch of Seed Research of Oregon.

The tale of Toronto C15, a vegetatively propagated creeping bentgrass, is simple — and devastating. "It dominated the market for a couple of years," said Lynch, Seed Research's marketing director. "Then, suddenly, out of nowhere a disease started eating Toronto everywhere. Greens were going — everything. They called it C15

Decline — a bacterial disease that the cure cost more than renovation.

"It turned out the monostand was the absolute monostand. There was no genetic diversity like today's bentgrasses have."

Researchers — and superintendents — have learned from the experience. Penncross bentgrass, for instance, is three entirely different plants. Providence is five, Cobra has seven plants in it, Cutter six, Crenshaw five. "Those are varieties, but in the strictest sense blends," Lynch said.

A superintendent "planting bluegrass in the rough will specify three different varieties. Why? He's trying to get a genetically diverse stand," he said.

Lynch added that the idea that a superintendent "seeds a stand once and never goes back is a mistake some people make. But they learn the mistake very quickly. You can always, always, always improve a stand — whether it's increasing the population of the stand, or by adding genetic diversity by going out and putting in some new genetic."

— M.L.

Delhi adding nine for students

Continued from page 11

former roommates.

The new nine holes will join an existing nine-hole track and give students hands-on experience in a number of areas.

"During construction, the students will work right along with Clark Cos., actually constructing bunkers and greens," Haight said. "Down the road, they will get the basics done before we open. Then they'll build bunkers and other work for years."

"We also have a master plan that calls for modifications to the front [existing, 30-year-old] nine," from tee and green renovation to irrigation system improvements, Smith said. "The beauty is, those modifications can be made over time, with no impact on play whatsoever."

"By adding this nine, we're able to integrate the course into the program and build a stronger program," he added.

With the prospects of the new course, Delhi College has already seen an increase in turfgrass and landscape architecture students. Whereas 27 students were enrolled in the Department of Plant Sciences last year, the college anticipates an enrollment exceeding 35 this year.

"We have seen a significant increase in interest, particularly in the golf course operations program in the past year," Smith said. "We relate that directly to the unique projects we're about to undertake."

...

If all proceeds perfectly, Smith said the new nine should open in July or August 1996. In the meantime, Haight is busy raising money and equipment for the course and classes.

The school's first Golf Education Fund Tournament raised \$25,000 — half from individuals and half from companies in the golf industry, Haight reported.

The college has produced a promotional video for students and potential donors, said Haight, adding that he is busy talking with companies that are prospects for providing seed, drainage tile, irrigation systems and other items needed for the project.

The New York Turfgrass Association is among those donating \$25,000 toward a hole, which will be dedicated in the donors' names.

"Clark Cos. has 'stripped a gear' to make it affordable for us," he said. "And they have already done the shaping of the greens and tees of the first three holes."

The track winds through woods and around ponds and streams and open cliffs.

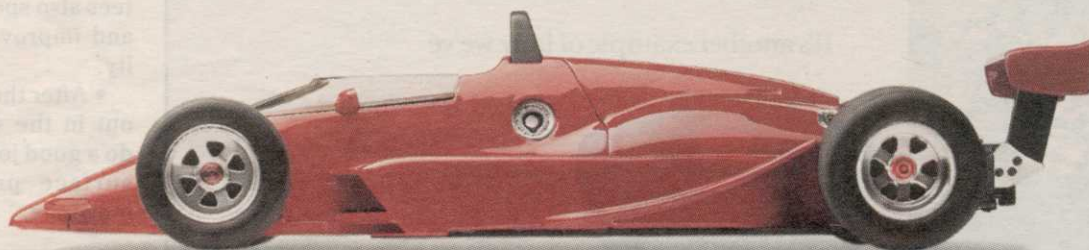
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Meanwhile, Delhi is holding a dedication ceremony for its new Turf Education Center at 1:15 p.m. Aug. 16.

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BRIEFS



PINEHURST, FAZIO AND 100

PINEHURST, N.C. — Pinehurst Resort & Country Club will celebrate its centennial in 1995 and complete its Centennial Course, Pinehurst No. 8. Construction has begun on the Tom Fazio-designed Centennial Course, and Pinehurst President Patrick Corso said it should be complete in the fall of 1995. Fazio designed Pinehurst No. 6 with his uncle George in 1976. The course will give Pinehurst, owned by Club Resorts Inc., 144 holes of golf — more than any resort in the world.



DEER TRACK ON TRACK

SURFSIDE BEACH, S.C. — Deer Track Golf Resort is midway through a year-long renovation of its North Course. The 7,200-yard layout designed by Bob Toski and Porter Gibson will include faster greens, changes in bunkering, the addition of pine-straw areas and new mowing patterns. The entire project is set for completion by late summer.

NYC WATERFRONT FACE LIFT BEGINS

NEW YORK CITY — Construction has begun on the Chelsea Piers Sports and Entertainment Complex on Piers 59-62 of the Hudson River in Manhattan. The project, reclaiming rundown piers between 17th and 23rd streets, includes a 52-stall outdoor golf driving range. A running track, skating rinks, maritime recreation center and marina, and other facilities are part of the project, being developed by Chelsea Piers Management, Inc.

A WEISKOPF-MORRISH COLLABORATION

BLAINE, Wash. — The city of Blaine and Whatcom County have given Semiahmoo Co. permission to develop another 360 acres, including an 18-hole golf course designed by Tom Weiskopf and Jay Morrish. Weiskopf and Morrish are still completing courses begun together, though taking on no new projects. The new track will join the highly ranked Arnold Palmer-designed Semiahmoo track.

DALY DESIGN JUST PLAIN 'WICKED'

MYRTLE BEACH, S.C. — You've heard of Crooked Stick, Make Way for Wicked Stick. The winning entry in a contest to name John Daly's first golf course design is Wicked Stick Golf Links. The prize for the winner, Chris Merillat, chosen from 800 entries, is a round of golf with Daly on the links-style track scheduled to open in the fall of 1995. Southpark Golf Group Ltd. is developer of the course.



John Daly

Big Gulp: Developers spade treefuls at wooded site

By LARRY TROJACK

EDEN PRAIRIE, Minn. — In the complex field of planning and developing residential golf communities, it is hard to imagine progress without problems. However, for the developers of Bearpath Golf and Country Club here, finding a solution to one huge problem meant getting innovative. The result of that effort was a dramatic saving in time, manpower and better than 2,500 trees — as well as a correspondingly impressive dollar savings.

Bearpath is taking shape on 426 acres of rolling terrain in this rapidly growing community located 25 minutes southwest of Minneapolis. Course construction will begin in October.

Getting to that point, said Bearpath Secretary Brian Gensmer, has taken a number of interesting turns — not the least of which has been the movement and/or removal of scores of trees located in a nursery on site and at various locations throughout the 426-acre parcel.

"Obviously, a project such as this entails a great deal of planning, both from a logistical standpoint and for actual site layout," said Gensmer. "Even the most meticulous planning, however, could not totally avoid the situation. Many trees had to be moved or removed. Certainly it would have been easy to simply cut them. However, we chose to examine other options

Continued on page 25



Crews move one of hundreds of trees at Bearpath G&CC.



Lee Chang, left, has been keeping close watch on his new design, Southern Wood Golf Club, above, in China, where workers seed the course by hand.



From Georgia to China, Chang making a name

Lee Chang, 48, was born in Fujian Province in the People's Republic of China (PRC) but grew up in Taipei, Taiwan. Armed with a bachelor's degree in architecture, he moved to the United States 25 years ago and eventually earned a master's degree in city planning and architecture from Georgia State University. In 1972, he went to work at Atlanta course architect Willard Byrd's firm, where he had a hand in designing such widely known layouts as Long Boat Key Golf Club in Sarasota, Fla., Planter's Row in Hilton Head, S.C., Wild Wing Plantation in Myrtle Beach, S.C., and Lion's Paw in Sunset Beach, N.C. Chang opened his own firm in Atlanta in 1993. He has two projects underway in the PRC and a third in Missouri. Lee and wife Fiona recently celebrated their 21st anniversary. They have two children, Yvonne, 18, and Erwin, 15.

Golf Course News: Why did you start your own business after so many years with Byrd?

Lee Chang: People always want to try getting out on their own, no matter what they do. I stayed with Willard so long partly because of my family. We wanted the children to have a sense of roots in a

particular area, so we stayed in Atlanta. It was a good decision. I definitely enjoyed my time with Willard. He's very intelligent and a nice person. It was just a good time to get out on my own.

GCN: What's the main thing you learned from Byrd?

LC: As a landscape and golf architect, he taught me how to deal with both the golf course and other real estate usually involved in a golf project.

GCN: How would you describe your architectural style?

LC: I'm a classical naturalist. I let the site dictate what the course should be like. I want an environmentally sensitive layout that is challenging for golfers of all abilities. I like to incorporate a local flavor and use local materials. In Taiwan, for instance, there is a lot of black sand. They use it in the bunkers and it works just fine. You don't see that as much here [United States]. Bunker sand has to be white. It's too bad.

GCN: Who are your favorite old-time and contemporary architects?

LC: Alister Mackenzie is my favorite old-time architect. His book, *Golf Architecture*, is still used extensively by contemporary de-

Continued on page 24

Putting Blue Monster back together again

By MARK LESLIE

MIAMI — An "old and tired" Blue Monster, cornerstone of the five-course Doral Golf Resort and Spa, will be rejuvenated where it counts, beginning next year.

"The main priority is to change grasses," said Pat McHugh, a certified golf course superintendent who has just joined Doral from Hunters Run in Boynton Beach. "It's like putting Humpty Dumpty back together."

Other major aspects of the project will be a state-of-the-art irrigation system and renovation of the bunkers.

"We will leave the integrity of the [Dick] Wilson design," McHugh said course which hosts the Doral-Ryder Open in March. "It is quite a favorite of the players. They enjoy coming back to the old style."

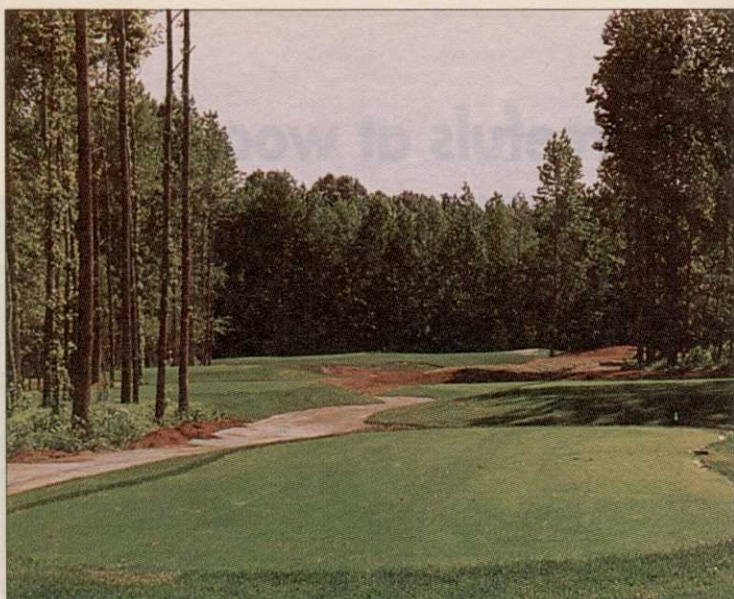
Designed by Wilson and Robert Von Hagge, the Blue Course was built in 1962 and is entirely covered with the old Ormond Bermudagrasses. "We're looking to regrass the fairways," he said, adding that the greens are 328 Bermuda.

An architect will be brought on board for the work, McHugh said. After the Blue Course renovation is complete, the Red, White and Gold courses will be improved — one at a time, so as not to disrupt golf at the resort.

KSL Recreation Corp., which bought Doral earlier this year, has announced more than \$15 million in renovations in a four-phase process, beginning with clubhouse improvements. McHugh could not pinpoint exactly when work on the course will begin.

In a press release, General Manager Hans Turnovszky said: "When completed, Doral will not only have a complete facelift but extensive additions and improvements to its infrastructure, energy management capabilities and other back-to-the-house facilities necessary to provide our guests with the very best leisure experience."





The par-3, 200-yard 15th hole at Olde York Country Club.

From golf course to horse farm and back again, Olde York site returns to its roots

From STAFF REPORTS

COLUMBUS, N.J. — Olde York Country Club, a once-popular golf course that was transformed into a horse farm for 14 years, re-opened in July — redesigned by Gary Player and owned by Ed and Corinne Eget.

"We have no homes, just nature," said Eget, "and a most breath-taking piece of property."

The property has been sitting

idle for 15 years. Closed in 1979, the course had been used as a horse pasture until the new owners hired Gary Player Design Co. to revive the course in June 1993.

Player and project architect Mark Stallone refashioned the south-central New Jersey course using a traditional Scottish theme. The new layout plays par-72 over 6,967 yards and was designed to look part Pine Valley, part

Pinehurst #2 and part 1990s golf course. Five holes are completely enclosed in woods.

It sports bentgrass tees, greens and fairways, with Kentucky bluegrass surrounding the 146 sand, grass and stacked sod bunkers. The large, undulating greens are between 7,000 and 11,000 square feet.

Stallone has stayed on as superintendent, joining head pro Gary VanInderstine.

Q&A: Chang

Continued from previous page

signers. Robert Trent Jones Sr. and Pete and Alice Dye are my favorite contemporary architects.

GCN: How do you view the domestic golf market? Will development continue at 350-plus courses a year?

LC: Things are stabilizing. The U.S. economic situation and environmental considerations will probably slow things down to 250 to 300 courses annually over the next few years. The market is ripe for renovating existing courses. There are a lot of 40-, 50- and 60-year-old layouts that are out-of-date because of advances in equipment. They need to be updated.

GCN: How about the Asia-Pacific market?

LC: That's still growing. The Japanese fueled much of the development in the 1980s. The collapse of their economy slowed things. But other countries—like Singapore, Hong Kong, Taiwan, Malaysia, Thailand and India—are picking up the slack.

GCN: Are environmental issues as important in Asia as the U.S.?

LC: It's important in some countries and less so in others. In Japan and Taiwan, you can run into a stone wall if environmentalists get involved. In China, Vietnam and Malaysia, they are concerned about the environment. But it is less likely to stop a project. In those countries, it's often up to the architect to take responsibility for balancing development and environmental concerns.

GCN: Does your Asian heritage and language ability help you get jobs there?

LC: It helps. But the main thing is to have a local architect involved who knows how to deal with local details. My partner in Asia is Lin Fu Ming. He's based in Taiwan and has helped take care of many local matters.

GCN: Do Asian developers want different things in a course design than American developers?

LC: Most Asian developers want a 7,200-yard course, not because they are better golfers, but because that's what they think will sell. Asian developers don't like unplayable rough. American architects will put it in and then the developer eliminates it. Fairways are generally wider, which also compensates some for the extra distance.

GOLF COURSE NEWS



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CIRCLE #120

Tree Spade reported to raise 'livability rate'

Continued from page 23

for dealing with the situation."

Gensmer's decision stems from both a company-wide commitment to preserving the pristine appearance of Eden Prairie, and from an ordinance on the township's books which makes tree-cutting for development purposes a somewhat costly proposition.

"Eden Prairie is a leader in the Twin Cities' efforts to ensure that portions of the area retain a decidedly rural feel," Gensmer explained.

"The ordinance in question said that for every inch-diameter of tree cut, an equal inch-diameter of new tree must be replanted."

Faced with the possibility of replacing approximately 2,500 trees — roughly about 11,000 diameter-inches worth — Bearpath contracted with Mulligan's, a regional firm specializing in a wide range of landscaping, land clearing, and site preparation projects. In its first month on-site, the Northfield, Minn.-based firm moved more than 1,200 trees.

Said company President Terry Mulligan, once a plan was established determining what trees needed to be moved, the rest fell into place nicely.

"We are one of a handful of the original companies in the Twin Cities area to do this kind of work," said Mulligan. "For the straightforward uprooting/movement/re-planting procedures, the process is actually quite simple. We use a Vermeer 6600 Tree Spade, a truck-mounted tool designed specifically for applications such as this.

"The tree spade encircles the trunk of the tree to be moved, wets the base area, and — using hydraulically-assisted, chain-driven spades — cuts and excavates the tree's roots, making it ready for movement and transplanting.

"In the removal process, the curved design of the spades creates a well-formed, top-heavy, ball of exposed roots — a key element in helping ensure tree survivability after replanting."

Depending upon the distance to the new site, each tree handled in this phase of the project took about five minutes to move. When compared with manual removal, this afforded the developers a tremendous savings in labor and time, said Mulligan.

"Removing the trees by hand — that is, digging, removing and wrapping the roots in burlap prior to movement — would have easily taken about two hours per tree," he said. "The process is extremely labor-intensive and, consequently, costly."

For situations where a new planting site was not immediately available, Mulligan established holding areas in which trees were planted until a permanent site

became available. Several areas around the development, including the tree nursery, served this purpose.

In the holding areas, Mulligan helped alleviate any ill effects the trees might suffer as a result of the move by following a routine of fertilization, watering and — to help the tree retain moisture — bark mulching of the area surrounding each tree.

"We go to extra lengths to enhance conditions," he said.

"However, we also have established a 95-98 percent livability rate for trees we move, so the extra care does, indeed, pay off.

"It kept project costs in that area down," he continued.

"Based upon a widely-accepted value of \$100 per diameter-inch, tree removal could have cost the Bearpath team better than \$1.1 million in replacement charges. Even with our fee included, they easily saved more than half that amount."

Gilmore Graves projects opening

SPRING GREEN, Wis. — Gilmore Graves Golf, Inc. a design, construction, and management company with offices here, Phoenix, Ariz., and Pierre, S.D., is anticipating a busy 1994.

Several 1993 projects opened during the summer. Prairie du Chien Country Club opened this spring, while Irish Waters Golf Club in Freedom, Wis., Hiawatha Golf Club in Tomah, Wis., and Fox Hollow Golf Club, outside LaCrosse, were expected to open this summer. Hiawatha Golf Club is a nine-hole addition design/construction project, while the others are design/supervision developments.

Construction of an 18-hole design of Dorr's Prairie Woods, east of Janesville, will be completed this year, with the opening set for 1995.

Wisconsin projects are design/construction of nine holes at Tyranera Golf Club in Lake Mills, design/construction of 18 holes at Pine Hills Golf Club for the Mohican Tribe, near Gresham, plus design/construction of 18 holes at Martha's Orchard Golf Club north of West Bend.

From Tee-2-Green

Penn Pals Profile:

A portfolio of creeping bentgrasses perfect for your plans... from the world's foremost marketer

Scientific name:	Growth habit:	Shade tolerance:	Heat tolerance:	Cold tolerance:	Traffic and wear tolerance:	Seeding rate, greens:	Seeding rate, fairways:
<i>Agrostis stolonifera</i>	Spread by aggressive stolons	Fair	Good	Excellent	Very good	1 to 1 1/2 lbs. per 1000 sq. ft.	Up to 50 lbs. per acre

Penncross

For tees and greens

The standard for creeping bentgrasses since 1955 and still the most specified bentgrass for golf courses. Recovers quickly from injury and divots. Good heat and wear tolerance. First choice of golf course architects and superintendents.

A few fine courses with Penncross greens:

- PGA West Stadium Course
- The Vintage Club
- Troon North Golf Club
- Wolf Run Golf Club
- Eagle Crest Golf Course
- Kananaskis Country Golf course



Penneagle

For fairways

The top performing fairway bentgrass. Germinates quickly. Upright, dense growth habit helps crowd out poa annua. Salt tolerant.

A few courses with Penneagle fairways:

- Oakmont Country Club
- Butler National Golf Club
- Pumpkin Ridge Golf Club
- The Merit Club
- Inverness Club (Toledo)
- Des Moines Country Club



PennLinks

For new greens, green renovation and overseeding

The new standard for putting greens. Upright, dense growth for true putting. Fine texture and heat tolerant.

A few fine courses with PennLinks greens:

- Wilmington Country Club
- Inverness Club (Toledo)
- SandPines Resort
- Prairie Dunes Golf Club
- Baltimore Country Club
- Wild Wing Plantation



PennWay Blend

For fairways and winter overseeding greens

Economical fairway and winter overseeding blend of Penncross, Penneagle and 50% quality creeping bentgrass. Certified PennWay contains Penncross, PennLinks and 70% Penneagle for genetically diversity meeting certification standards.

A few courses featuring PennWay:

- Wakonda Club
- Carlton Oaks Country Club
- Riverwood Golf Club (winter overseeded greens)



PennTrio Blend

For tees, fairways, greens, and winter overseeding

Certified creeping bentgrass blend with 1/3 each Penncross, Penneagle and PennLinks. All the attributes of a blend with ready-to-seed convenience.

The increasingly popular blend for all around the course, from the world leader and foremost marketer of creeping bentgrasses.



For more information, call or fax: **Tee-2-Green Corp.**, 1-800-547-0255 / FAX 503-651-2351

Muddled in Minn.

Continued from page 1

anybody. We're trying to be as environmentally sensitive as we possibly can be."

The hold-ups include endangered species, potentially endangered species, alleged forest fragmentation, water resource squabbles, state government in-fighting and citizen action lawsuits. The latter has tied up the project in court, though Brauer remained hopeful the matter may finally be settled and ground broken by September.

The entire affair takes place in this town, an hour north of Duluth in the so-called "iron range region,"

where mining operations have slowed considerably. Under direction of the Iron Range Resources and Rehabilitation Board (IRRRB), a state government agency, the region took a giant step toward economic recovery with development of Giants Ridge ski resort in the 1980s.

Spurred by the success of winter tourism, the IRRRB soon sought a summer component and Brauer was summoned to design the golf course with help from PGA design consultant Lanny Wadkins.

With a choice of several sites in St. Louis County but inhibited by the endangered barren strawberry and nearly endangered marsh mari-

gold — which is still being considered for protected status — Brauer and the IRRRB finally settled on a parcel adjacent to the ski area. Indeed, the base chalet would double as clubhouse.

However, the IRRRB was jolted when its sister agency — the state Department of Natural Resources (DNR) — filed a motion for an Environmental Impact Study (EIS), the first ever requested for a golf course project in Minnesota.

"Typically, the state would be easier on itself," said Brauer. "No golf course in Minnesota has ever been required to do an EAW [the less stringent Environmental Assessment Worksheet]. So when

they were asked to do a full-blown EIS, they felt they were being singled out.

"This fits into the bigger political picture. DNR's biggest quibble is they didn't have more input in the decision in St. Louis County. They also questioned whether counties have the technical knowledge to make that kind of environmental decision."

Eventually, the IRRRB and DNR took their respective cases to the Minnesota Environmental Quality Board (EQB), which sided with the IRRRB.

Immediately following this June decision, however, an ad hoc citizens group calling itself the

Iron Range Residents for Responsible Action, or IRRRA, and the Minnesota Center for Environmental Advocacy (MCEA) filed suit to stop the project. Contained in the IRRRA's legal action were some 120 environmental reasons to halt the project — many of which appear to have been lifted directly from the DNR's motion for EIS.

"It appears the DNR has been in close contact with the citizens group [IRRRRA] and a couple of DNR employees are part of the group," said Sherry Enzler, deputy attorney general for Minnesota, whose office has filed the state's legal response. "To be quite frank, it doesn't make a lot of sense to me. But it appears there is some fragmentation at the DNR."

As for the MCEA, its motivations appear even more political.

"The MCEA had already filed its own environmental report, noting its dissatisfaction with the schemes and rules used by the county during the permitting process," said Enzler. "The MCEA doesn't think the county can handle this type of permitting, and they also want more EIS's done, in general."

"To be quite frank, I think they are using this example as a vehicle to promote their point of view."

Among the concerns of DNR, MCEA and IRRRA is forest fragmentation and its effect on the Minnesota song bird population.

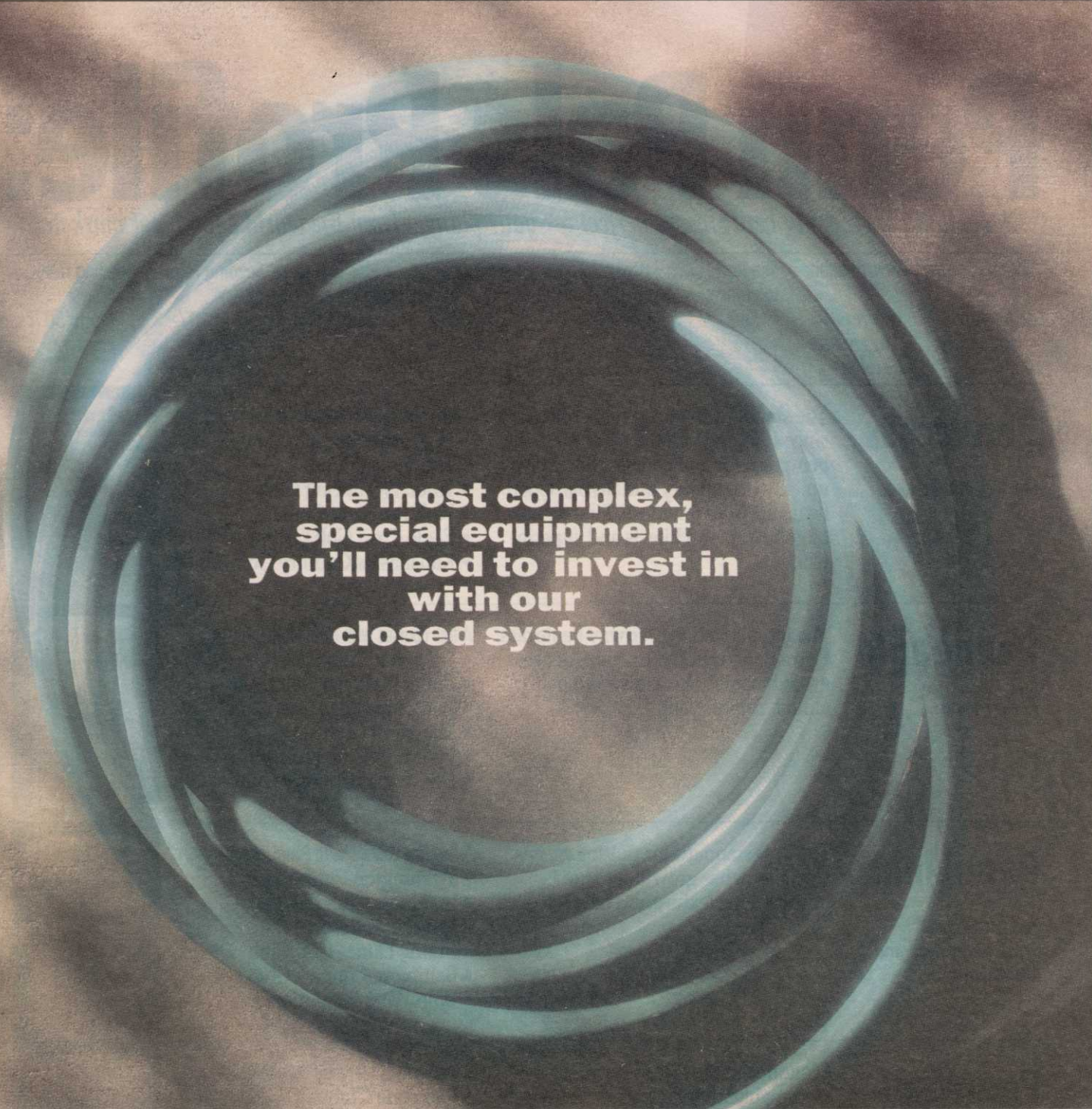
"The song bird population is in decline, and no one knows why," said Brauer. "The claim is, anytime you cut a road or line through virgin forest, you cut a path for predatory or parasitic birds, like the cow bird."

"We don't believe this is a virgin area and no additional damage would be done with our 130 acres of clearing. They say our 130 acres would affect 130,000 acres of forest. But the cow bird is already there. The area is no longer virgin forest."

As for groundwater concerns, back in April, the IRRRB hired Stuart Cohen, president of Environmental & Turf Services Inc., to study the area. Cohen has already testified several times before the St. Louis County Planning Commission and EQB. He will explain his results to the public sometime in August.

"I have never worked on a project where the golf course architect has gone to such great lengths to prevent surface drainage to protect environmental quality as have Jeff Brauer and Golfscapes," said Cohen, who added that his firm is performing the highest level, "top-of-the-line" analysis: i.e., surface runoff models involving more than 1,000 input parameters and subsurface leaching models using close to 1,000 input parameters.

"This shows that we don't have a block box with one button that says, Minnesota, and another button says, Yes," he said. "My people have been to the site, spent several days there and run hundred of tests, taking into account weather patterns and other scenarios. This is very site-specific and the preliminary study results are encouraging."



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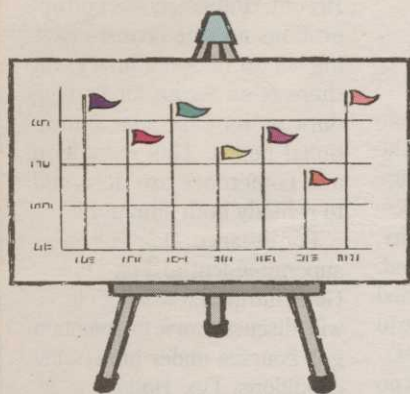


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BRIEFS



MARRIOTT PROMOTES ATCHESON

WASHINGTON, D.C. — Claye Atcheson has been named vice president-operations of Marriott Golf. The 17-year Marriott veteran will be responsible for daily operations of Marriott Golf's 17 facilities and the development of additional management contracts. Marriott Golf has also moved its corporate headquarters to Orlando, Fla. A temporary office is located at Marriott's Cypress Harbor Resort with the permanent office moving to Sand Lake Drive this fall.



Claye Atcheson

CLUBCORP TO EXPAND WALNUT CREEK

MANSFIELD, Texas — Club Corporation of America will oversee construction of a new nine holes and renovations to the existing layout at the CCA-managed Walnut Creek Country Club. TimberChase Development Co. and Lincoln, Neb.-based Krueger Development of Texas Inc. purchased 120 acres of adjacent land that will allow for the \$2.5 million course expansion and renovations as well as construction of 100 new homes. Brooks-Baine Golf Inc. of Fort Worth will design the course addition and changes. Construction could begin this fall and be completed within a year.

CMAA HOSTS CONFERENCE

ALEXANDRIA, Va. — The Club Managers Association of America will host its Leadership/Legislative Conference in Pentagon City, Va., on Sept. 10-13. Aimed at the association's volunteer chapter leaders, the conference will cover leadership and legislative information pertaining to the private club industry.

ARIZ. EXEMPTS GOLF CARS

PHOENIX — Gov. Fife Symington has signed legislation exempting golf carts and other vehicles used primarily on golf courses from the requirement to register under the motor vehicle registration statute. Courses renting carts are also exempt from state auto rental regulation laws and the requirement to obtain public liability insurance.

GOVERNORS CLUB TABS CMC

CHAPEL HILL, N.C. — Club Management of the Carolinas, an East West Partners Group, has been awarded a management contract for the Governor's Club in Chatham County. The Chapel Hill-based firm also manages The Old North state Club at Uwharrie Point near Asheboro.

Miss. coast becoming major golf destination

Myrtle Beach marketing firm helping area attract major course developers

By PETER BLAIS

GULFPORT, Miss. — A Myrtle Beach, S.C.-based marketing company plans to turn this fast-growing coastal region into a major golf destination that will supplement Harrison County's burgeoning gaming industry. International Golf Resources' President Donald Wizeman has inspected 30 potential golf course sites and expects to announce plans for six or more projects by year's end. The first new course could be on line by early 1996, he estimated.

"The casinos are packed evenings and the players want something to do during the day. Golf makes a lot of sense," said Wizeman, who is reportedly receiving a \$3,000-a-month retainer, incentives and expenses from local and state sources to attract golf developers to the area.

Wizeman's fee is being paid one-third each by the county Tourism Commission, Development Commission and state tourism office.

In the past two years, 14 floating casinos have opened in Harrison County. Government officials have welcomed the revenue into the area's formerly depressed economy. But they have also feared the area becoming overly dependent on gambling.

Earlier this year, a Harrison County delegation traveled to Myrtle Beach to discover what made that city's golf business tick, and whether the concept might work back home. While in South Carolina they met Wizeman, who has helped bring together landowners and golf developers in Myrtle Beach, Florida and Williamsburg, Va.

Wizeman was hired in late June. He quickly identified potential golf sites. Most sit well above inland rivers and streams, and in the 300- to 400-acre range.

He then contacted landowners, asking whether they would

Continued on page 28



The Mississippi coast could become a major golf destination and gambling resort if a golf marketing firm is successful in attracting course developers.



The 18th hole at Pine Tree Country Club in Birmingham, Ala. Pine Tree is one of the most recent management contracts signed by Martty Golf Management.

Martty takes offensive in Southeast U.S.

By PETER BLAIS

F AIRHOPE, Ala. — Defense may win championships, but offense makes money, according to Thomas Martty.

"Golf clubs generally operate in a defensive mode," said the president of Martty Golf Management Inc. "They try to cut costs to increase profits. But you can only be so efficient."

"We can get down to that low operating number. But we're much more offensive minded. We're a marketing and management company. We try to drive the revenue side."

Birmingham, Ala.'s Pine Tree Country Club — the 11th management contract the company has inked since its founding 10 months ago — is a prime example, Martty said.

Martty and leasee Jon Kimerling agreed to invest \$1 million to update the 26-year-old George Cobb-designed course. With

that financial commitment in hand, Martty said the company sold 70 new memberships in six weeks.

Martty's offensive mindset was apparent at Billy Casper Golf Management Inc. He helped found the Washington, D.C.-based firm, which grew into one of the country's major management firms during his 4-1/2-year tenure as senior vice president of operations.

Seeking to return to his native Southeast, Martty recruited Casper Vice President of Operations William Ochsenhirt and former Arnold Palmer Golf Management executive William Fitzpatrick. Together they formed their own management company 20 miles east of Mobile.

Martty likens the threesome to a football coaching staff.

"I'm the offensive coordinator, Bill [Ochsenhirt] is the defensive coordinator

Continued on page 29

MARKETING IDEA OF THE MONTH

Developing repeat customers key to successful course

By JOE GLASSER

Developing loyal, repeat customers is the way to build a successful golf operation. How to cultivate them is the challenge.

There are three management keys for creating a loyal customer — consistency, commitment and communication.

Consistency relates to following established policies of operation, and attending to the details of providing quality service and a quality product.

How do we define quality? The best definition I have read says "Qual-

Continued on page 30

Miss. coast adding golf component

Continued from page 27

be interested in donating 150 acres to private golf developers while retaining the remaining acreage to develop into house lots or mixed-use project that would benefit from an adjoining, daily-fee golf course.

That list of potential sites as well as information on tax incentives and demographics will become part of a formal development package Wizeman expects to complete this month. He will distribute the information to golf developers he believes may be interested in coming to the Mississippi Gulf coast.

The area has 17 courses already. Mark McCumber-designed Windance Country Club in Gulfport is one of the best known.

"The existing course owners want us to bring in additional development and golfers, too," Wizeman said. "It would give them the chance to raise fees and make improvements. It's unusual but very nice to have that kind of support from existing course owners."

Wizeman predicts course developers will have little trouble obtaining building permits since the generally highland sites have few wetlands and local government favors the golf destination concept.

If construction of six to eight new courses gets underway next year, they will open just about the same time 3,000 hotel rooms currently under construction are scheduled to come on line. Another 2,000 rooms are planned and could be ready by late 1996. That would bring the total number of hotel rooms to 11,500, a 77 percent increase over the 6,500 currently available.

"If you filled those rooms, you could build another 25 courses down here," Wizeman said.

Once the development package is complete, Wizeman will start work on a marketing program to attract golfers. One of the keys will be a centralized reservation system with a single (800) number visitors can call to reserve airline tickets, car rentals, accommodations and tee times.

"Gulfport has more air carriers [5] serving it than Myrtle Beach [2]," Wizeman said. "They had 200 charter flights land here in June for gambling groups."

Still, Wizeman expects most golfers will drive rather than fly to the Mississippi Coast. That's similar to Myrtle Beach, where 90 percent of golfers use ground transportation to reach the links.

The Midwest golfer will be the area's target market, Wizeman said. And course operators will market heavily, he predicted.

"They spend more money on

marketing here in a single month than Myrtle Beach does for the entire year," Wizeman said.

Wizeman has been in the golf and resort business for 25 years. Originally from Virginia Beach, Va., he moved to Myrtle Beach in 1980. He founded the U.S./Japan Golfers Association in 1987, which set up tours and tournaments for vacationing Japanese golfers at U.S. golf courses. Business boomed until the early 1990s when the Japanese economy soured, Wizeman said.

"Those were the worst two financial years of my life," said Wizeman, who still operates the scaled-down U.S./Japan Golfers Association.

He formed International Golf Partners two years ago along with California course builder Joe Perry, Florida hotel consultant Donald Ross and Alabama financial adviser Terry Swalm.

IGP played a key role in bringing together Chesapeake Corp. of Richmond, Va., and The Legends Group of Myrtle Beach to develop six recently announced courses in the Williamsburg, Va., area.

Arnie speaks

Continued from page 1

sort courses.

"The numbers don't lie."

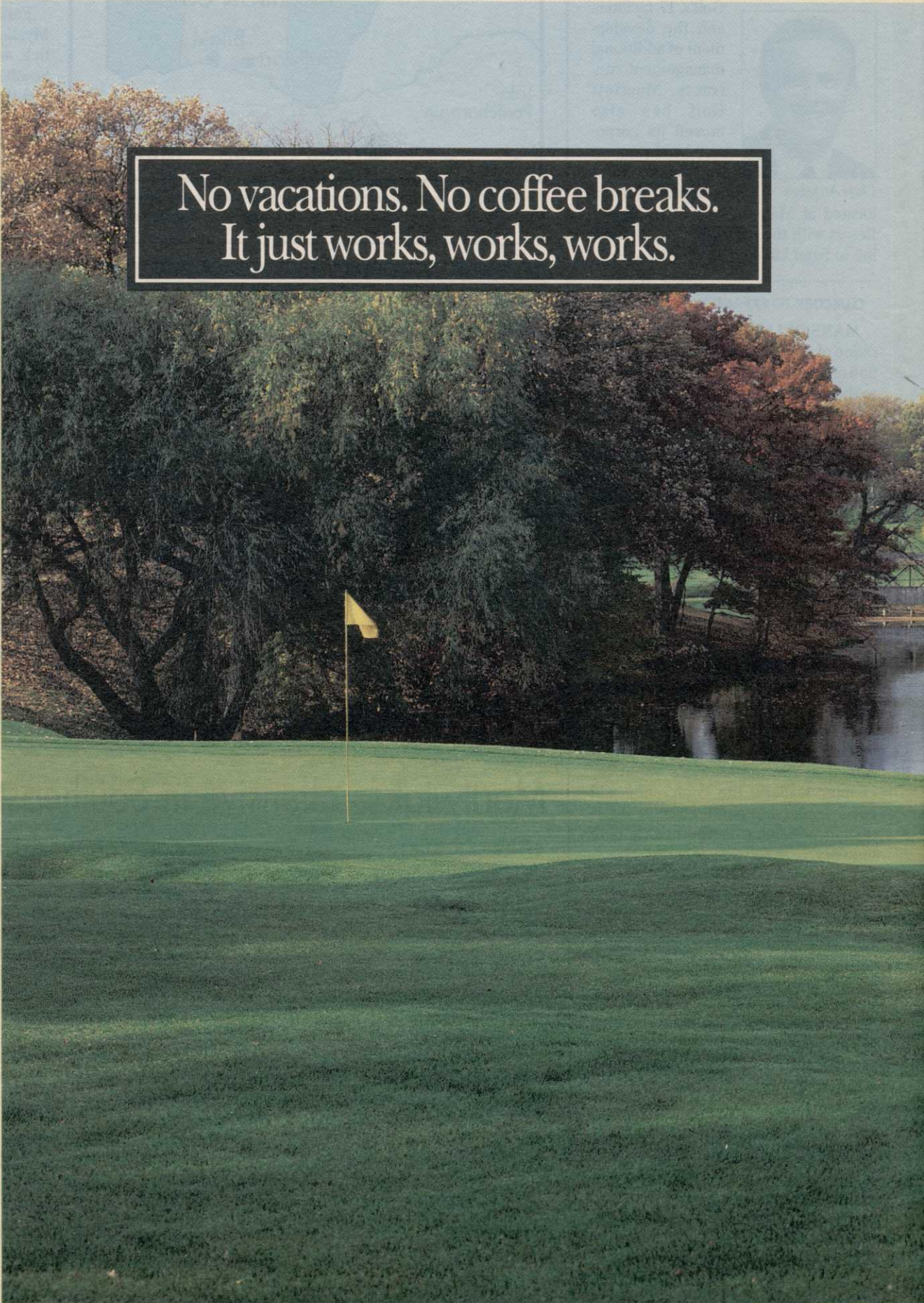
Palmer will keynote the conference on Nov. 11, opening the trade show and setting the stage for afternoon conference sessions in the areas of Agronomy, Management and Development. Each education track is designed to shed light on issues unique to the public-access golf market.

"We feel Golf Course Expo fills a clear need in the golf

course industry," added von Brecht. "Public-access golf operations are the fastest growing sector of the industry, yet there is no forum for its vendors or its particular educational needs. This exhibition and conference are designed to remedy both situations."

For instance, Don Tolson — superintendent at Fox Hollow Golf Club in Lakewood, Colo. — will discuss ways to maintain golf courses under high-traffic conditions. Fox Hollow, a 27-

Continued on next page



No vacations. No coffee breaks.
It just works, works, works.

Palmer

Continued from previous page

hole, city-owned course, handles 83,000 rounds a year.

The Agronomy program will also feature Pat McHugh, director of golf course maintenance and grounds at Doral Resort & Country Club in Miami, who will discuss innovative staffing and crew motivational techniques. In addition, Patrick O'Brien — director of the United States Golf Association Green Section, Southeastern Region — will tackle the subject, "Maintenance on a Shoestring."

As part of the Management pro-

gram, Ken James — senior vice president of operations and acquisition at American Golf Corp. — will discuss "Five Critical Issues to Operational Success." Terry Buchen, CGCS and author of GCN's "Savvy Superintendent" column, will enlighten owners and managers on course-related matters with his discussion of "Agronomy for Non-Agronomists".

The Development track, co-sponsored by *Golf Course News* and the National Golf Foundation, will feature several discussions of financing: Reid Marks of NationsBank on traditional sources; Bill Wallace, vice president of Golf Services

Group, on public-private partnerships; and Greg Cory of Economic Research Associates on the value of feasibility studies.

Also included in the Development program will be Dennis Tull, owner of Smiley's Golf Center, the national authority on development of alternative golf facilities; architect Bob Lohmann, principal of Lohmann Golf Designs, Inc., who will discuss course renovation and its relation to the bottom line; and Stuart Cohen, president of Environmental Turf Services, Inc., who will speak on environmental regulation and its effect on sound public-access development.

Golf Course Expo is the first exposition and conference devoted to public-access golf.

Exhibitors include fertilizer, seed and sod, consultant services, golf cars, mowers, aerators, irrigation equipment, chemicals, architectural services, construction services, software, equipment parts, landscape supplies, utility equipment, greens rollers and ball washers, among others.

Exhibiting companies as of press time include American Society of Golf Course Architects, E-Z-GO Textron, Emerald Isle, Ltd., Flowtronex/PSI, Fore Better Golf, Inc., Gold Medal Recreational Products, Golf Course Builders Associa-

tion of America, Gowan Co., Greenscape Pump Services, Inc., Harco Fittings, Hollrock Engineering, Inc., Horizon Golf, The Kirby Marker System, Milorganite, The O.M. Scott & Sons Company, Otterbine®/Barebo, Inc., Page-Com, Inc., Palmer Course Design Co., Par Aide Products Company, Precision Tool Products Company, Smithco, Inc., Spencer Engine of Jacksonville, Standard Golf Company, Sunbelt Services-Div. of Hendrix & Dail, Tee Enterprises, Inc., Turf Diagnostics & Design, Inc.

For more information on attending the trade show or conference, call the Golf Course Expo hotline at 1-207-846-0600, ext. 248.

Marty Golf

Continued from page 27

and William an on-the-field player coach," Marty said.

Marty concentrates on membership sales and generating greens fees. Ochsenhirt, a certified public accountant, creates business plans for MGM clubs and oversees course maintenance and golf shop operations. Fitzpatrick relies on his operations background to recruit and train course personnel.

Plans are to have 10 to 15 clubs under total-management contracts by the end of next year. All will be within the 500-mile radius of Mobile that Marty considers his market area.

"That will give us the base we need to begin leasing or acquiring clubs ourselves," Marty said.

While describing membership sales as the firm's strength, Marty said the company never loses sight of the importance of course maintenance nor the superintendent's role in a club's success.

"No one is more important than the superintendent," the company president said. "Without him, and a quality course, what do you have? Nothing."

Head superintendents at all of the company's full-management clubs are GCSAA members, Marty said.

Plans are to hire assistant superintendents who can be trained to manage new clubs as they become available.

Additionally, the company planned to hire a full-time agronomic consultant by the end of July to oversee maintenance at all facilities, Marty said.

Most of the company's courses are upscale, daily-fee layouts with a smattering of private clubs.

In addition to Pine Tree, the company manages Chuck Hogan Golf Schools and Tour Golf's Practice Tee in Birmingham; Saddle Creek Golf Club in Lewisburg, Tenn.; Hamilton Mill Golf Course in Atlanta; and Jennings Mill CC in Athens, Ga.

The firm has instituted membership programs at Port Malabar CC in Palm Bay, Fla.; Wake Forest CC in Wake Forest, N.C.; and Laurel Ridge CC in Waynesville, N.C.

Marty has management consulting agreements with Chantilly Manor CC in Rising Sun, Md., and The Illinois Center in Chicago.



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CIRCLE #123

Glasser

Continued from page 27

ity is when we receive something that exceeds our expectations on a regular basis."

For example, our expectations at McDonald's are different from those at Steak and Ale. But each business provides predictable efficiency, a reliable product and service.

The same can be said in comparing a municipal golf operation with a resort. Each can provide a quality experience, each can perform to our expectations, and each can exceed our expectations on a consistent basis.

You don't want your customers to have a great first impression of your facility and return a month later to find:

- Trash in the parking lot
- Employee apathy
- Unclean golf cars
- Weeds in flower beds
- No water in several ball washers, missing towels, full trash receptacles
- Stopped-up toilets in on-course restrooms
- Excessive wear on tee boxes and driving range
- Cart-traffic erosion.

How does a course operator avoid this?

Have the management team prepare a checklist covering specific areas including the front entrance, parking lot, driving range, clubhouse grounds, and golf course. Then assign the assistant superintendent the responsibility of inspecting each area every Monday.

Have the first assistant professional or head professional accompany the assistant superintendent during the inspection tour. This weekly exercise not only identifies areas requiring immediate attention but also fosters better communication and understanding between golf and maintenance operations.

It will also encourage the free exchange of ideas to improve, and serve as a learning experience for everyone involved.

Commitment is the setting of goals by ownership/management; the supervision and motivation for achieving excellence, and the resolve to continually improve. For instance, the management team cannot simply supply information to employees regarding their duties and facility goals, then retire to their offices. All management must get into the trenches from time to time to provide a good example and demonstrate commitment that it takes teamwork to excel.

This devotion to commitment must be embraced by ownership/management regarding capital expenditures as well.

Substantial capital is required to replace maintenance equipment. Course operators must know far in advance what expenses to anticipate.

Prepare an inventory list of all maintenance equipment including the date purchased, cost, and estimated life span. Include columns for anticipated year to replace and cost to replace. Then prepare and submit a seven-year capital expenditure list.

This same process should be initiated for clubhouse needs and should be updated every year. Ownership/management must recognize the necessity of putting money back into the facility to assure quality standards are maintained. Avoid the problem many municipal golf facilities face: when profits never make it back to the source, facility and staff morale deteriorates, leading loyal customers to find somewhere else to play.

Communication occurs internally among staff and externally with customers.

All employees must be aware of upcoming activities, policies, and possible projects causing any inconvenience to the customers.

Customers must be informed or made aware of pertinent conditions and upcoming activities.

For instance, a loyal customer should not find out when he arrives with his important guests that his tee time follows a shotgun start of 60 players, or that the back nine is closed due to a planned maintenance project.

The starter or staff person assigning tee times must be aware and inform customers immediately of unusual conditions they might experience. Probably the best means of advance communication is a monthly newsletter that identifies upcoming maintenance projects and unusually busy days due to group activity.

Communication also involves customer feedback. Customers should be encouraged to inform management of their desires, requests, suggestions and criticisms.

They must know the operator cares about their feelings.

Marriott Golf, for instance, seeks customer input by providing property evaluation forms. These address hospitality and property-quality conditions.

The feedback not only helps identify problems, but also positive impressions and employee performances, which can be motivating factors for all employees.

Consistency, commitment and communication. If these keys are incorporated in the course's philosophy it is easier to gain customer loyalty.

Joe Glasser is president of ACE Consultants, a development and management consultant business in Colorado Springs, Colo. Glasser previously spent 14 years as a golf professional and executive with Marriott Hotels and Resorts.

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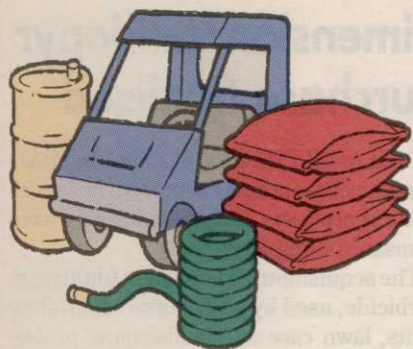
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HINTZE JOINS SANDOZ MARKETING

DES PLAINES, Ill. — Sandoz Agro, Inc. announces that Gene D. Hintze has joined the company as marketing services manager for the Specialty Products Business Unit. Hintze's responsibilities include managing advertising, public relations, promotions, market research and trade shows for Sandoz in the turf, ornamental, industrial vegetation management, public health and professional pest control markets. Hintze joins Sandoz after six years at Bader Rutter & Associates, where he served as account supervisor on a variety of agricultural, turf, ornamental and professional pest management accounts.



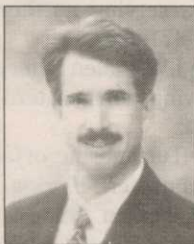
Gene Hintze

NEW PRESIDENT FOR SOLATROL

SAN DIEGO — Dan Clawson has been appointed president and chief executive officer of Solatrol, Inc., manufacturer of the world's only ambient light-energized irrigation control system. Clawson has previously held top executive positions in sales, marketing and operations with Toro Irrigation, Johnston Pump, ITT Jabsco, Johns-Manville Buckner and Febco AG-Turf. He is also partner of Growth Marketing Associates, a management/marketing consulting group based in Fresno. Clawson has a BS degree in metallurgical engineering from the University of Arizona, Tucson.

YOUNG TO LEAD EII HUMAN SERVICES

CALABASAS, Calif. — Environmental Industries, Inc. (EII) has announced the appointment of human resources professional Phil Young as Director of Human Resources. Young will oversee the national human resources programs and policies of the construction, maintenance and nursery businesses that comprise Environmental Industries, Inc. Most recently he was Manager of Human Resources at ABEX/NWL Aerospace Division.



Phil Young

ZOELLER, GREEN TEAM WITH OLSEN

SALEM, Ore. — Fuzzy Zoeller and Hubert Green, who have an exclusive endorsement agreement with Olsen-Fennell Inc., were recent guests of the company as part of a three-day program here. The agenda included a pro-am golf tournament, a tour of Olsen-Fennell Offices, warehouses, and research facilities, and ended with a day of fishing on the Oregon Coast. Close to 100 Olsen-Fennell distributors from more than 20 states and four countries participated.

RISE Annual Meeting goes south; set for Sept. 8-11

By HAL PHILLIPS

NAPLES, Fla. — The last 12 months of legislative action and the 12 to come will dominate proceedings at the fourth Annual Meeting of RISE (Responsible Industry for a Sound Environment). After three years in the nation's capital, RISE will hold its yearly membership conference here at the Ritz-Carlton, Sept. 8-11. While RISE has routinely enjoyed solid attendance at past get-togethers, this year's venue on the Gulf of Mexico should be popular with members of the specialty chemical trade association.

"We certainly want to encourage a strong participation from our members," said RISE Executive Director Allen James, "and I anticipate this year's site won't keep anyone away."

The theme is, "Informed, Involved and Unified for Progress," and the three-day speaking program features Charles Cook, editor of *Cook's Political Report*, who will comment on "Current Washington Political Analysis."

Also scheduled to speak are Washington insider David Crow on "Federal Issues that Affect Us All"; Mark Foley, a state senator from Florida now running for Congress; and a panel on new worker protection standards.

For more information on the Annual Meeting and its weekend events, contact the RISE offices at 202-872-3860.

...

James may have planned his association's annual meeting for sunny Naples, but his business remains in Washington, D.C., where the House and Senate are mulling controversial amendments to the Clinton Administration's FIFRA (Federal Insecti-

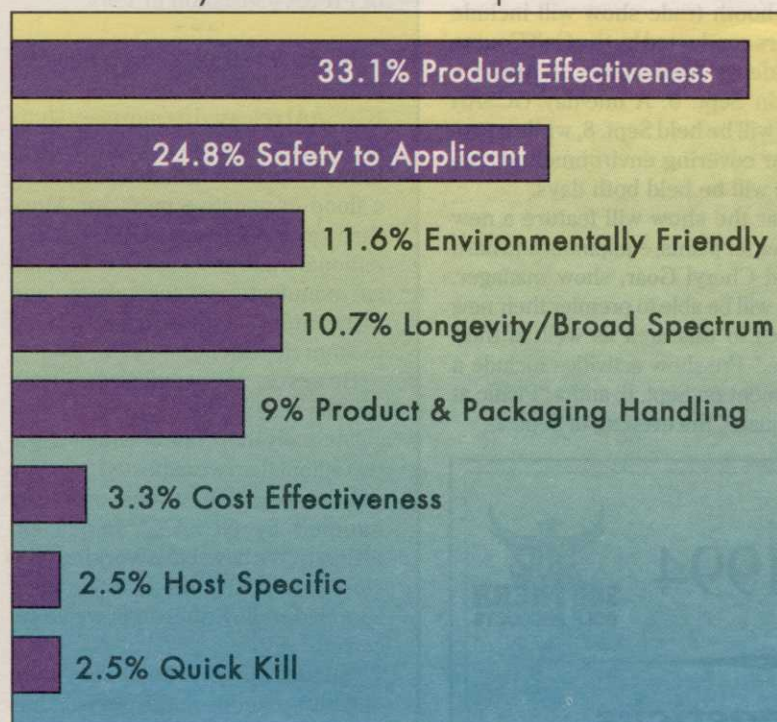
Continued on page 32



NEW PRODUCT OF THE MONTH

"The Eradicator" Fire Ant Eradication System, manufactured by the Eradicator Corp. of Houston, is a spot treatment featuring a subsurface thermal fogging device to destroy entire colonies. The active ingredient is Resmethrin, a wax-based pyrethroid with zero solubility in water, to avoid leaching. If exposed to sunlight through tilling or erosion, it photodegrades into harmless elements, including water. For more information, call 1-800-NO-MOUND. For more new products, see page 33.

What is the most important feature you look for in a pesticide?



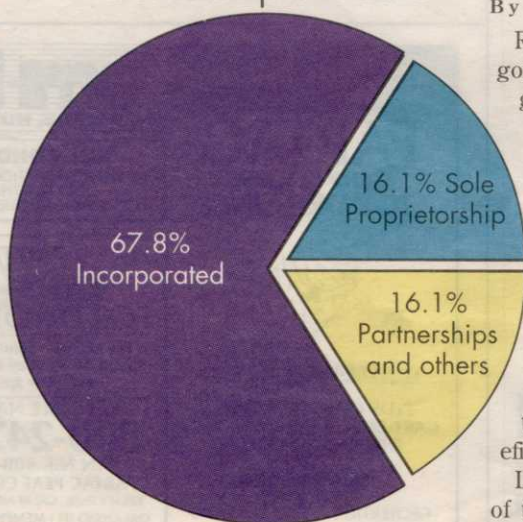
What is your preferred method of application?

Spray	44.4%
Spreader	8.9%
Broadcast	3.2%
Combination (granular/spray)	2.4%
No response	41.1%

AMERICAN CYANAMID CO. POLLS SUPERS

American Cyanamid Co. surveyed 125 superintendents during the GCSAA show in Dallas. When asked to rate the importance of environmental issues to their job, on a scale of 1 to 10, 82.4 percent answered 8 or higher.

U.S. Sod Producer Ownership Structure



Source: American Sod Producers Association

ASPA launches Turfgrass Resource Center

By HAL PHILLIPS

ROLLING MEADOWS, Ill. — While the golf course industry struggles to pull together its far-flung resources to form a single clearinghouse for environmental information, the American Sod Producers Association (ASPA) has launched a source of its own.

The Turf Resource Center has been created to assist industry and media members in gathering factual, scientifically supported information about all facets of the turfgrass sod industry, with an emphasis on what the ASPA calls "the environmental benefits provided by this amazing little plant."

Led by Doug Fender, executive director of the ASPA, the Center is designed to provide timely information on the turfgrass

Newly released member survey profiles sod industry

sod industry and new research findings. A former director of communications for the Golf Course Superintendents Association of America, Fender's staff is bolstered by communications assistant Lisa Kallal.

The Center shares office space with the ASPA and office hours run from 8:30 a.m. to 5 p.m., Central Standard Time. The fax machine (708-704-8347) is operative 24 hours a day, while the toll-free telephone number (1-800-405-TURF) is available during office hours.

...

One of the Turfgrass Resource Center's first acts of dissemination was issuance of

Continued on page 33

GCSAA unveils new show policies

LAWRENCE, Kan. — The board of directors of the Golf Course Superintendents Association of America (GCSAA) will implement several new policies for the association's International Golf Course Conference and Show.

Before being presented to the board for approval, the policies were reviewed by GCSAA's Industrial Advisory Council (IAC). GCSAA's 66th International Golf Course Conference and Show is scheduled for Feb. 20-27, 1995, in San Francisco.

The new policies are:

- Prior approval is now required for exhibitors planning guest appearances, promotional giveaways and contests to ensure these events are appropriate for all attendees.
- All exhibitors at GCSAA's trade show must have goods and services that relate to the golf course management industry.
- Guest hall vouchers have been eliminated, but a more attractive trade show-only pass will be offered.
- Spouses of attendees, distributors and exhibitors will be allowed on the trade

show floor at no charge.

Members of the IAC include GCSAA Secretary/Treasurer and IAC Chairman Bruce R. Williams, CGCS; Michael Alexander, director of marketing, Club Car Inc.; Carla Barebo, vice president marketing, Otterbine-Barebo; Dennis Brown, manager marketing services, The Toro Co.; Jim Byrnes, advertising manager, Jacobsen Division of Textron; Jeff Cook, business manager specialty products, Sandoz; Steve Garske, president, Par-Aide Products; Emil Gram, general manager, Flowtronex PSI Ltd.; Sandi Gridley, advertising manager, Ransomes America; Dave Heegard, vice president, The Scotts Company; Bill Kenney, vice president, Smithco; Bill Liles, director, Ciba Turf & Ornamental Products; Clair Peterson, advertising manager, Deere & Co.; Gary Shampeny, vice president sales and marketing, Bunton Co.; Doug Toews, director marketing and Latin America operations, International Seeds; and Roger Underwood, president, Becker Underwood.

Mid-Am Show moves to Navy Pier for '96

CHICAGO — The city's newest exposition facility, Navy Pier, is slated to become the new home of the Mid-Am Trade Show, beginning in 1996.

The unanimous relocation decision by the Mid-Am Board followed analysis of an extensive survey which indicated that more than half the show's present exhibitors were "very" or "somewhat" interested in seeing the move occur.

The Hyatt, just off Michigan Avenue, will continue as the show's headquarters, with free shuttle service to Navy Pier, an eight-minute ride away. The show's evening social activities, sponsored by various industry associations, will still be based at the Hyatt.

Southwest Horticulture Show set for Sept. 8-9

PHOENIX, Ariz. — The Arizona Nursery Association has chosen "Best of the Green" as its theme for the 1994 Southwest Horticultural Trade Show, scheduled for Sept. 8 and 9, at the Civic Center here.

The 350-booth trade show will include two seminars conducted by the Golf Course Superintendents Association of America (GCSAA) on Sept. 9. A one-day GCSAA equipment will be held Sept. 8, while a two-day seminar covering environmental considerations will be held both days.

"This year the show will feature a new products area for plants, equipment and hard goods," said Cheryl Goar, show manager. "Exhibitors will be able to premier their new product lines in this area as well as their booth space." Pre-show activities include a golf tournament on Sept. 6, and a "Picnic at Heritage Square" the evening of Sept. 7.

RISE director foresees FIFRA vote come '95

Continued from page 31

cide, Fungicide and Rodenticide Act) and food safety legislation.

What does food safety have to do with golf course maintenance?

"If the situation is not corrected," said James, "products which are registered for agricultural uses will be lost. Unfortunately, there may not be a sufficient non-agricultural market for these same products to justify continued registration, especially in light of many new fees called for in this legislation."

Though James said it isn't likely that FIFRA will be amended in 1994, he testified in July before the Committee on Agriculture's Subcommittee on Department Operations and Nutrition, chaired by Congressman Charles W. Stenholm (D-Texas).

"The challenge that presents itself is that 1995 is also the year the Farm Bill is under consideration," said James. "So there is the risk that compromises may be made with regard to both bills in the Agriculture Committee."

"The Stenholm hearings will be the basis of action next year. Whatever he proposes, whatever comes out of his subcommittee, will be the starting point for any consideration of FIFRA legislation in 1995."

When the Golf Course Superintendents Association of America (GCSAA) released its mortality study in January, the entire golf course industry held its breath anticipating a flood of negative publicity. More than any other group, RISE — as the national trade association for chemical manufacturers, formulators and distributors — stood firmly, hoping to stem the tide.

However, the anxiety level exceeded reality.

"Actually there has been less negative fallout than we expected, to some degree because it was carefully handled by GCSAA," James explained. "We have been working very closely with GCSAA to keep them apprised of any questions we've received."

"Overall, there's been very little negative reaction in the press. It has been cited a couple of times, along with other studies about applicator safety. But we've been well pleased with how it's been received."

Dimension/dithiopyr purchase finalized

PHILADELPHIA, Pa. — Rohm and Haas Company has formally acquired three agricultural products and related assets from Monsanto Company.

The acquisition of Dimension (dithiopyr) herbicide, used by golf course superintendents, lawn care and landscaping professionals to control crabgrass and other problem weeds, was announced in February but finalized only recently.

The deal also included Visor (thiazopyr) herbicide and a developmental fungicide (thifluzamide), both of which have no golf course applications.

The transaction includes the worldwide rights to the pyridine chemistry behind Dimension and Visor.

Rohm & Haas also purchased the state-of-the-art facility that makes the key intermediate product for the herbicides. Monsanto will continue to operate this plant for Rohm and Haas as part of its larger manufacturing operations in Muscatine, Iowa.

Financial terms of the transaction were not disclosed.

Turflite names dealers for Vibratory rollers

ST. CHARLES, Mo. — Turflite, Inc. has announced the following dealers for its patented vibrating greens rolling system:

- West Star Distributing of Sacramento, Calif., serving northern California and Nevada. Call 916-635-3232.
- American Turf Services of Anaheim, Calif., serving southern California and Arizona. Call 714-938-1055.
- Far West Turf of Portland, Ore., serving the state of Oregon. Call 1-800-727-8873.
- Western Equipment of Seattle, Wash., serving Washington state and Idaho. Call 206-872-8858.
- Colorado Golf Turf of Denver, Colo., serving the state of Colorado. Call 303-781-3372.
- Stull Equipment Co. of Pottstown, Pa., serving eastern Pennsylvania and southern New Jersey. Call 215-495-7441.
- Wilfred MacDonald, Inc. of Clifton, N.J., serving northern New Jersey. Call 201-471-0244.
- J.W. Raden Enterprises of Akron, Ohio, serving northeastern Ohio. Call 216-773-2932.
- Turflite, Inc. of Jacksonville, Fla., serving northern Florida. Call 904-346-0566.
- Tomen America of Charlotte, N.C., serving Japan. Call 704-357-0050.



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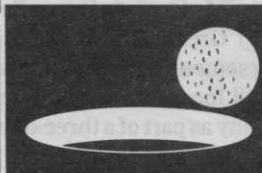
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Broken irrigation riser? No problem

Hendrickson Bros. new Fld500 Break Away Flow Limiting Device is designed to retain operation of the irrigation system even in the event of a broken riser. Easily installed at the base of any standard 1/2-inch riser, the Fld500 incorporates Hendrickson's patented flow control to reduce the water loss while retaining the system line pressure. The Fld500 offers significant water savings along with ease of maintenance and the assurance of system balance.

Construction is of high-strength ABS with an engineered break point that will withstand a maximum of 15 pounds of pressure applied to the top of a 12-inch riser. Five standard flow controls are offered to complement a variety of irrigation devices and system configurations.

For more information contact: Don Hendrickson, Hendrickson Bros., 2931 Rimpau Ave., Corona, CA 91719; or call 909-737-6822; or fax 909-737-9151.

CIRCLE #303

Par Ex unveils new fertilizers for bentgrass

Vigoro Industries, Inc. has introduced a new family of mid-sized grade fertilizers as part of the Par Ex line of turf products. The new fertilizers are formulated in a more appropriate size to meet the needs of turf professionals who work with bent grasses and other closely-mown turf.

Closely clipped turf-grasses have a high shoot density and traditional fairway-sized products are too large to apply for the optimal distribution pattern, leading to spotting, streaking and mower pick-up when clippings are removed. Also, greens-sized products are difficult to spread with fairway-type equipment. These new products focus on satisfying the unique needs of high-quality turfgrasses maintained under low-cutting heights.

One of the nitrogen sources in the new Par Ex mix-size grades is IBDU slow-release nitrogen, the most reliable, consistent-releasing source of slow-release nitrogen available for today's turf. Products in the new family of mid-sized fertilizers also contain iron, magnesium and manganese.

For more information, contact Vigoro Industries, 2017 W. Highway 50, Fairview Heights, Ill., 1-800-767-2855, extension 241.

CIRCLE #301

UHS introduces Turfgo Turf Wetter

United Horticultural Supply (UHS) has introduced Turfgo Turf Wetter, a water wetting surfactant designed to improve water movement through soil. Turfgo Turf Wetter reduces the surface tension of water allowing penetration even through clay soils.

Water movement depends on the porosity of the soil. The finer the pores in the soil, the more the water flow is restricted. Turfgo Turf Wetter is designed to enhance water flow through the small pores of finer-textured soil resulting in deeper penetration of water, which leads to better root development. Turf Wetter also improves water infiltration through thatch, reducing unwanted run-off. Puddling and poor drainage in low areas can be corrected with Turfgo Turf Wetter.

Turfgo Turf Wetter comes in liquid and granule form and is available exclusively from United Horticultural Supply. For more information or to contact the UHS Representative nearest you, call 1-800-847-6417.

CIRCLE #304

Sprinklers made for low pressure

Designed with a stainless steel riser to lower life cycle costs, the new 760/780 Series golf sprinklers from the Irrigation Division of The Toro Co. is designed to produce effective results with lower-pressure systems.

The Toro 760 and 780 are vented to minimize friction loss and maintain regulation over a wide range of pressures. The sprinklers feature both full-circle and part-circle versions. The part-circle version is equipped with a patented bifurcated gear drive that relieves stress on the reversing mechanism, extending the life of the gear drive. The 760/780 Series sprinklers are available in four factory-set pressure regulation settings to prevent tampering.

For more information, write to The Toro Company, Irrigation Division, P.O. Box 489, Riverside, CA 92502-0489; or call 909-688-9221.

CIRCLE #305

ASPA survey

Continued from page 31

the 1993 ASPA Membership Profile Survey, released in conjunction with the association's annual meeting held in Newport, R.I. last month.

Conducted every five years, the survey offers considerable insight into the business of sod producing.

For example, according to the survey, landscape contractors accounted for a full 40 percent of sod sales in 1993, as opposed to golf courses, parks and cemeteries combined, which accounted for only 8 percent of sales. However, this latter figure is nearly double the 1988 figure of 4.7 percent.

Further, 57.8 percent of sod shipments are sent to locales between 31 and 75 miles away, while 27.7 percent are 76 miles or more. Eight percent of all sod shipments are delivered by farm-owned and operated trucks.

For more information on the survey, contact The Turf Resource Center at 1-800-405-TURF.


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CIRCLE #127

Accu-Weather offers 10-day forecast

Accu-Weather, Inc. has introduced the Accu-Weather 10-Day Forecast, designed to be a highly accurate, extremely detailed and comprehensive easy-to-read forecast that is pinpointed for the location of each subscriber.

Recent advances in computer technology, combined with proprietary software developed by Accu-Weather over the past five years, now allow Accu-Weather to produce and deliver these forecasts for one-tenth the cost that they were previously available.

The Accu-Weather 10-Day Forecast is ideal for golf courses and golf resorts that require very

specific weather forecasts for planning routine greenskeeping, staffing needs and special events.

The 10-Day Forecast is packed full of detailed weather information, including severe weather potential, precipitation amounts, an hourly weather analysis, temperature and windchill predictions, hourly cloud cover, humidity, wind speed forecasts and more.

Accu-Weather serves more than 7,000 clients worldwide. For more information, contact Accu-Weather at 619 W. College Ave., State College, PA 16801; or call 814-234-9601, ext. 400.

CIRCLE #302



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CIRCLE #128

Phillips commentary

Continued from page 8

an EIS. In fact, never has a course been subject to the lesser scrutiny of an Environmental Assessment Worksheet, or EAW.

The state DNR felt left out, its feelings hurt.

In turn, the county feels singled out, over-scrutinized and insulted.

Herein lies the dispute. It has nothing to do with the potentially endangered barren strawberry, which may or may not be present on the site. It has everything to do with government weenies protecting their turf, to the chagrin of

architect Jeff Brauer and Minnesota taxpayers, who must foot the bill for adjudication.

In this case, the Minnesota Environmental Quality Board ruled the DNR did not have jurisdiction over the St. Louis County approval process. Case closed?

Nope... Sometimes, when weenies have their hackles up, one adjudication is not enough.

Only a few days after the DNR lost its argument, a citizens group — armed with many of the trumped-up arguments no longer useful to DNR — sued the state in an effort to stop the golf project. In fact, according to Minnesota's

deputy attorney general, several DNR employees have joined the citizens group.

Apparently, these particular weenies don't know when to quit.

It's easy to get discouraged when a conscientious, quality project like Giants Ridge can be stymied by a bunch of hyper-sensitive DNR engineers who — had their turf not been infringed upon — might instead be fumbling around their St. Paul offices, obsessing over their new pocket protectors or the office shortage of four-color pens.

Developers may see the Giants Ridge debacle and swear off golf

forever, muttering that malls and condos are decidedly less troublesome. While the temptation to extrapolate from the Giants Ridge situation to other Minnesota golf proposals is substantial, don't do it.

More often than not — even in Minnesota — golf projects get the go-ahead. Need proof? Just look at the 670 golf projects currently under construction nationwide.

[Consider the financing example, which is sort of parallel: For two years in the early 90s, a good many developers were scared off by the reported paucity of financing. Well, *somebody* was securing financing because 358

courses opened in 1993 — and those somebodies are making a killing!]

Submitted for your approval: If a third party had approached the Minnesota DNR early in the process and briefed the weenies on plans for Giants Ridge, would the course be under construction today? Dollars to donuts, it would.

Sometimes stroking a particular politician or agency isn't enough. Sometimes you, the developer, must bring together feuding weenies from separate agencies who can't decide just who has ultimate authority.

One petulant pol, a single aggravated agency chairman can put the kibosh on the best conceived plans. Remember that politics and, more specifically, politicians can be truly annoying, but they're here to stay.

There's a myth that politicians are elected to solve our problems. More often than not, we must solve theirs.

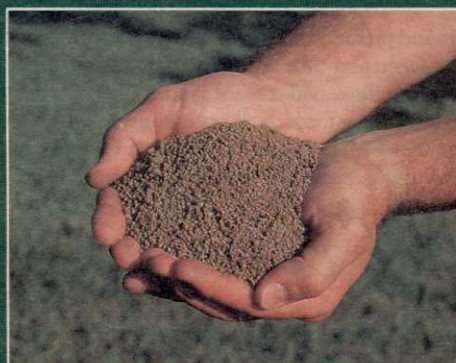
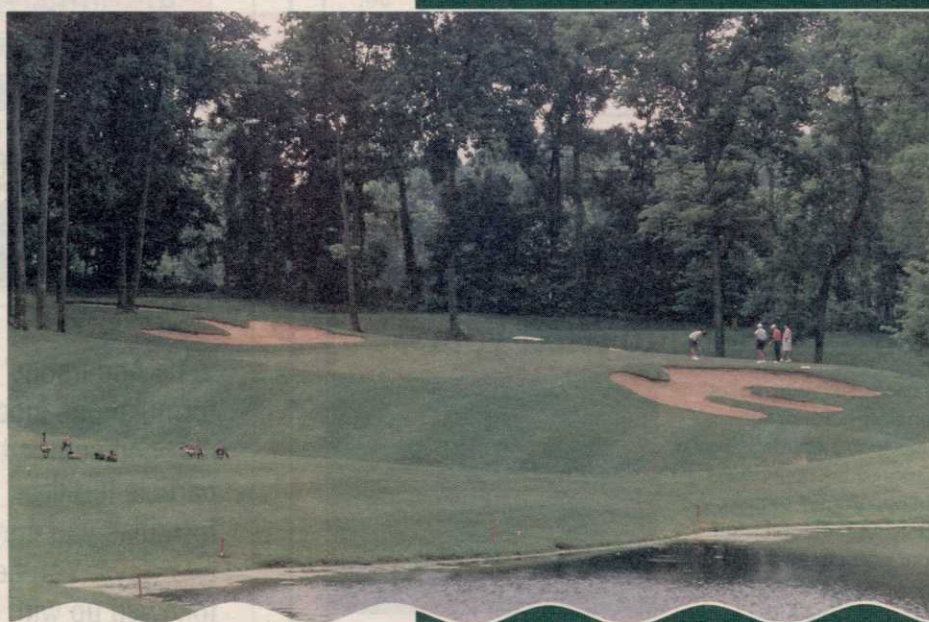
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Georgia flooding

Continued from page 3

runs through Warner Robins.

"A lot of silt and debris washed up on the course from the creeks. But we only closed for a day. We'll be cleaning up for a while."

Courses closer to Macon fared better. A 10-yard-wide creek swelled to 50 yards during the heaviest downpours, according to Richard Trenaman, assistant pro at Barrington Hall Golf Course. Holes 6, 9, 10 and 18 flooded, forcing the course to close for three days. The 18th closed for a week. Several traps washed out and are in need of repair.

"Otherwise, the only major damage was a downed tree on the 9th hole," Trenaman said. "It was in a strategic location about 150 yards out, making it difficult to get to the green in two. Otherwise, we were pretty fortunate."

Thirteen inches of rain fell on Riverside Country Club in Macon over a three-day period, according to head mechanic Rob Copley.

Sitting astride but high above the Ocmulgee allowed the course to escape damage from the flood-swollen river. But rising water levels in the creeks meandering through the course turned a low plateau area on the 11th hole into a sandbar while washing out one side of a 30-foot bridge.

At Houston Lake CC 30 miles south of Macon, an earthen dam holding back a 200-acre lake gave way, draining the course's main water supply.

"It was also the course's main feature," O'Brien said. "It was fresh water, so the course wasn't damaged. But it's going to cost them a lot to repair it. And they're going to be without water for awhile."

Superintendent Scott Palmer said no one has estimated the cost of replacing the dam or whether it will be possible to obtain the building permits to rebuild it. Meanwhile, he plans to dig a well for water.

"We got something like 12 inches of rain in 16 hours. We were lucky it wasn't worse," he said.

GOLF COURSE NEWS

Golf Course Marketplace

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Michigan project

Continued from page 9

The Little Traverse Conservancy, for instance, was very helpful."

Little Traverse helps organizations obtain land for public parks, which Bay Harbor developers have agreed to do, according to Little Traverse Director Thomas Bailey.

"They went to the local government and state agencies, unrolled their plans on the table and basically said, 'Here's what we want to do. What do you think?'"

"They asked for input and then followed through with everyone's suggestions. So often, developers

say they are going to do this and that, but when it comes down to details, they are very vague. David Johnson and CMS were always open with everyone."

Bailey said he was also very comfortable with Boyne's involvement, calling it one of the area's most successful resort operators.

"They are local folks who do quality work," he said.

The project was so well received that no one responded during the U.S. Army Corps of Engineers required comment period, Kershner added.

"The Corps' people said they couldn't remember that ever happening before," he said.

The final two administrative details were ironed out July 11.

First, the state approved final closure plans for the plant and agreed to indemnify developers against any possible future lawsuits related to the closing, Kershner said.

Second, the developers finalized the purchase of another 750 acres from plant owner Holnam Inc., the largest cement manufacturer in the country, he added.

The course will work its way over varied terrain. Seven holes (one more than Pebble Beach, Kershner said) will play along two miles of shoreline. Another five will work their way in and around

the former quarry. Several holes will travel up and over covered kiln dust piles as high as 150 feet, while others meander through a forested area called The Preserve.

Construction of The Coastal 9 was scheduled to begin in July and open in early 1996. The Quarry and The Preserve 9s will open the following two years. All 27 holes will eventually be private, although they will be open to public play until a certain membership threshold is reached.

Hills was selected to design Bay Harbor for several reasons, Kershner said. Developers wanted a widely known architect because of the relatively isolated

location and the need to sell house lots (25 have already been sold at \$500,000-plus each). Hills was among a handful of designers making that initial cut.

Hills was also a favorite of CMS's chairman, who is a member of the Hills-designed Club at Pelican Bay in Naples, Fla., Kershner said. Finally, Boyne is building a Hills-designed course and "it made a lot of sense to have him work on this one while he was in the area," Kershner said.

Ironically, Hills had visited the site long before a course was planned and felt it would make a great location for a golf facility, Kershner added.

August

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3 — Rutgers Turfgrass Research Field Day in New Brunswick, N.J. Contact 201-285-8300.

16 — Wisconsin Turfgrass Field Day in Madison. Contact Dr. Frank Rossi at 608-262-1490.

17 — Ohio Turfgrass Foundation and Ohio State University Turfgrass Research Field Day in Columbus. Contact Julie Gunther at 614-261-6750.

18 — Michigan Turfgrass Field Day in East Lansing. Contact Kay at 517-321-1660.

24 — Turf Talk '94 in Chandler, Ariz. Contact Garden West at 602-233-2966.

September

19-21 — Florida Turfgrass Ass'n. 42nd Annual Trade Conference & Show in Ft. Lauderdale. Contact 800-882-6721.

20-22 — Virginia Tech Turf and Landscape Field Days in Blacksburg, Va. Contact J.R. Hall III at 703-231-9736

October

5-6 — So. Calif. Turfgrass Expo in Costa Mesa. Contact 714-951-8547.

10-13 — Northwest Turf Conference in Seaside, Ore. Contact 206-754-0825.

12-13 — West Texas Turfgrass Conference in Snyder. Contact 806-354-8447.

12-14 — Southwest Annual Turf Conference in Ruidoso, N.M. Contact 505-275-2576.

29-30 — Southwest Outdoor Power Equipment Show in Arlington, Texas. Contact 512-443-7999.

29-Nov. 2 — Georgia GCSA Annual Meeting in Savannah. Contact Karen White at 706-769-4076.

November

1-4 — 6th Annual West Virginia/GCSA Turf Conference & Show in Morgantown. Contact David Tennant at 304-594-1541.

6-9 — 15th Annual International Irrigation Exposition and Technical Conference in Atlanta. Contact 703-573-3551.

10-12 — Golf Course Expo in Orlando, Fla. Contact the Golf Course News Conference Group at 207-846-0600.

18-20 — National Golf Foundation Golf Summit '94 in Phoenix. Contact 407-744-6006.

* For more information contact the GC-SAA Education Office at 800-472-7878 or 913-841-2240.

Leslie commentary

Continued from page 8

But, hey, everyone is "savable," and we should stand ready to believe the best of all people.

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Historical evidence is damning. After all, Henry Kissinger once quipped: "The illegal we do immediately. The unconstitutional takes a little longer."

Historically, this could be the ultimate axiom for some bureau-brokers (that's bureaucratic power brokers) in the world of environmental activism. Note: I'm speaking historically, and I did not say all, or

Continued on next page

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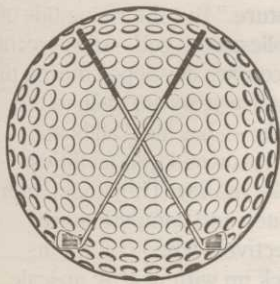
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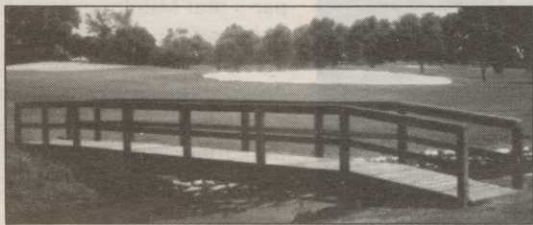
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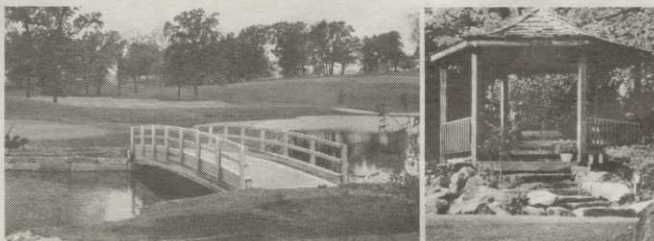


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Leslie commentary

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even most bureau-brokers, because I believe most do wear white hats.

But Jonathan H. Adler declared: "Most classroom environmental information, including most that is listed at the EPA clearinghouse, comes from literature and teaching guides drafted and distributed by the major environmental groups."

But, that was more than two years ago and Carol Browner seems bent on rectifying the situation. Let's give her the benefit of the doubt. Remember, the EPA-ites in the past have not even believed in deadlines. Now they have one — Sept. 30 — set by their own commander.

"When you consider that EPA deals with the two most process-oriented professions — science and law — it's almost a wonder we ever get anything done," defended EPA golf liaison officer Mike Scott. "And at the same time, it's a testimony to the competence and diligence of EPA employees that we work relatively fast, given the fact that we're dealing in the context of law and science. It's not like dealing with economics, particularly monetary policy where things come and go in 30-day cycles, you can move pretty quick."

The EPA may never get down to those 30-day cycles to get things done. But what Browner has done is a step in the right direction.

...

A leader in the turfgrass industry said New Zealand and Australia use the United States as a "dumping ground" for bad grass seed. On hearing this, my wife said: "And we've given them Coca-Cola, blue jeans and The Grateful Dead. You reap what you sow, don't you?"



The PGA Tour comes to Brown Deer GC for the Greater Milwaukee Open this month.

Muni conditions come of age

By JOHN MIELKE

MILWAUKEE — Busting free from its stigma as a lesser golfing product, the municipal golf course is making a name for itself in lofty circles these days.

Most visible are four city- and county-owned courses that play host to PGA Tour events. Brown Deer Golf Course — a public

John Mielke is marketing communications writer with the Jacobsen Division of Textron, Inc.

track owned and operated by Milwaukee County — is the latest municipal to join the Tour ranks. It's the new site of the Great Milwaukee Open, a PGA Tour event scheduled for Aug. 29 through Sept. 4.

It's a growing trend. The Phoenix Open is played at the city-owned TPC of Scottsdale; the Buick Invitational of California is played at one of the nation's great munis, Torrey Pines in San Diego; and the B.C. Open is played at En-Joie Golf

Course in Endicott, N.Y.

The standard of conditioning and design at these four courses is testimony to the power of public-access golf in the nation today. "Municipal golf" used to be synonymous with phrases like "dirt track" or "cow pasture." But the rising tide of public-access golf — 80 percent of all courses developed during the past five years are open to the public — has lifted all boats.

City-owned golf facilities make money. They make more money and compete more effectively when conditions stack up with nearby upscale daily-fee courses.

Brown Deer superintendent Gene Milota, CGCS, has given golfers in and around Milwaukee the opportunity to play a PGA course under tourney conditions.

Since Brown Deer opened for public play June 24 — after a three-month respite this spring, following last year's renovation — Milota and his crew have had the course set up as it will be for the Tour: Fairways cut at 3/8ths of an inch with Jacobsen LF-100 lightweight fairway mowers; intermediate rough at 1-1/4 inches with Tri-King triplex mowers; and the rough at 3-1/2 inches with out-front rotary Turfcats. The rough will be cut one week before the tournament begins, then allowed to grow to 4 to 5 inches, the height specified by the PGA Tour.

Another slight difference: The public is putting on somewhat slower greens. Milota has left the height of cut at 5/32nds of an inch, allowing some of the newly constructed greens to mature. Come tourney time, the cut will be lowered to 1/8th of an inch, "or less," said Milota, to reach a green speed of 10 to 12 on the Stimpmeter.

...

Just after Brown Deer opened for public play in late June, Milota was out surveying the course.

On the 4th hole — a 475-yard par-5 that Milota said is a birdie hole, even for regular golfers — a man waiting to tee off addressed the superintendent.

"How are you guys going to trick this course up for the pros — you know, make it harder?" he asked.

Milota told him the course was already set up the way it would be for the Greater Milwaukee Open.

"Aren't you gonna narrow the fairways?" the golfer persisted.

Milota explained that he couldn't narrow the bentgrass fairways. In fact, he added, the fairways on 16 and 18 had been widened.

The more generous fairway near the green on 18 — a 576-yard, par-5 — was suggested by two-time U.S. Open champion Andy North, who has helped with subtle changes in course design. The wider approach should entice the pros to go for the green with their second shot, North reasoned.



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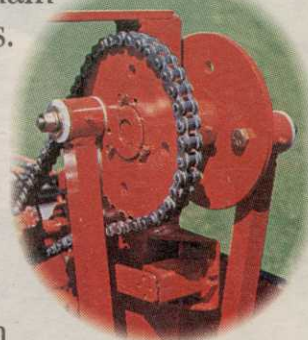
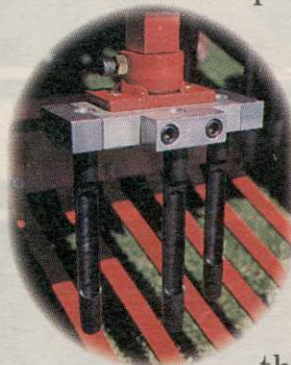
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