

GOLF COURSE NEWS

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INSIDE

Browner Speaks

EPA chief Carol Browner discusses golf course maintenance practices — a GCN exclusive 11

Jobs: Lost and Found

A special section investigates why superintendents lose their jobs, and how they can find new ones 25

New Features

USGA agronomists weigh in with research data and GCN explores issues surrounding public golf 41,78



ENVIROTRON ON LINE

Professor Bert McCarty discusses the rhizotron, a portion of the Envirotron that studies root growth. The much-anticipated Envirotron is on line at the University of Florida. Turf research may never be the same (see page 37).

COURSE MAINTENANCE

Grow-in: Everything you ever wanted to know 25
On the Green: Solving bunker contamination 26
Ohio Turf Conference coverage begins on page 27

COURSE DEVELOPMENT

Congress acts on endangered species, wetlands 43
Foster's much-anticipated Quarry debuts 43
Designing Woman: Viola active globally 47

COURSE MANAGEMENT

AMF has grand plans for Kiawah Island 59
Owners honor ClubCorp's Robert Dedman 59
NGF seminar scheduled for early January 62

SUPPLIER BUSINESS

Certification program undertaken in Florida 65
Golf Car Report: Calif. emissions; Melex hires 68
What's new in the marketplace? 72,73



Steve Mona

Mona era begins in Lawrence

By HAL PHILLIPS

ATLANTA — The idea was born over an informal lunch here last August, when Steve Mona — then executive director of the Georgia State Golf Association — shared a bite with Golf Course Superintendents Association of America (GCSAA) President Randy Nichols, who has known Mona since 1983.

Five months later, the August luncheon has taken on historic significance: Mona is the new executive director at GCSAA, replacing the departed John Schilling.

Mona's tenure officially began Jan. 5, but his coming out party will take place in Dallas later this month, when GCSAA holds the 65th International Golf Course Conference and Show (see special section, page xx). Mona firmly believes his new job is all about creating positive relationships, and he plans to start right away.

"I'm coming into this with a mandate to work on building relationships: With our local chapters, our allied associations and the media," said Mona. "The day before the Dallas conference, Joe Baidy [who as-

Continued on page 21



Little conflict awaits supers in Big D

By PETER BLAIS

DALLAS — It may not be all peace and harmony on the eve of the Golf Course Superintendents Association of America (GCSAA) annual meeting. But it's a darn sight quieter than during the NAFTA-like squabbles that preceded last year's vote on the proposed bylaw amendments.

Everyone may not agree with this year's proposals. But most believe the pro-

Special Show Section, pages 15-23

cess of communicating with and seeking input from members has gone much smoother than a year ago when even board member George Renault noted, "Many people feel like these [proposed changes] are being rammed down their throats."

September's meeting of chapter delegates in Lawrence, Kan., to discuss the proposals left many feeling this year's board was sincerely interested in explaining the need for the changes and seeking input from the chapter level.

Patty Knaggs, head superintendent at Hazeltine National Golf Club in Chaska, Minn. and formerly of Westchester Coun-

Continued on page 18

Reservoir eases water pressure in California

By PETER BLAIS

HEMET, Calif. — The \$2 billion Domenigoni Valley Reservoir under construction in Southern California should help ensure water supplies for future golf course maintenance and development through the 21st century in this water-starved region.

"Knowing the reservoir is there should mean homeowners and environmentalists will put less pressure on politicians to pass bad legislation affecting irrigation water for golf courses," said

Raymond Davies, head superintendent at Virginia Country Club in Huntington Beach, Calif.

The Metropolitan Water District (MWD) project is massive. First authorized in late 1991, the 250-foot deep reservoir won't be completed until 1999. Created by three dams in the Diamond and Domenigoni valleys south of Hemet, it will be Southern California's largest lake.

The 4.5-mile-long body of water will cover nearly 4,500 acres and hold

Continued on page 50



BEST OF THE BEST

The Virginian, a new Tom Fazio design in Bristol, Va., is one reason the architect and his firm are among the 1994 Golf Course News "Best of the Best" award winners. For Best Maintained LPGA course, Builder of the Year and more, see pages 53-57.

Chemical firms join forces in search of profit

By HAL PHILLIPS

Hoechst-Roussel and NOR-AM Chemical Co. have combined their respective agrochemical activities to create a joint venture. The Scotts Company has acquired Grace-Sierra Horticultural Products Co. from W.R. Grace & Co. DowElanco has already off-loaded a portion of its specialty chemical division to LESCO, as did Zoecon Corp. following the merger of its specialty pesticide unit with Sandoz Agro Inc.

The chemical industry is reacting to the increasingly adverse economic and political environment by streamlining product lines and, ultimately, entire agrochemical divisions. With each passing day, the 1997 deadline for federal reregistration draws closer and chemical companies make more hard choices

Continued on page 69

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CIRCLE #101/BOOTH #4237,4239

(It's about time.)

NEWS IN BRIEF

JAMESTOWN, N.D. — The new nine at Hillcrest Municipal Golf Course should be playable late this summer. A week's work in the spring should complete the irrigation system. Grass will be seeded then. Rain last summer delayed the \$500,000 project about four weeks. Work is progressing on the \$49,000 steel building that will be used for the new clubhouse after golf course expansion is complete.

SCHAUMBURG, Ill. — Renovation of the second nine holes at 27-hole Schaumburg Golf Club is complete and the refurbished nine opened Sept. 4. Course architect Bob Lohmann of Mareng is overseeing design and construction of the ongoing renovation project. The facility was originally designed in the 1920s by William Langford and Theodore Moreau. Renovation of the remaining nine will begin this month.

BAY CITY, Texas — Rio Colorado Golf Course has joined the Audubon Cooperative Sanctuary Program. Rio Colorado GC will be involved in projects that enhance habitat for wildlife on the golf course and preserve natural resources for the benefit of the local community. These projects may include placing nesting boxes for cavity-nesting birds such as bluebirds and swallows, utilizing integrated pest management techniques, conserving water, and maintaining food and cover for wildlife.

PALM BEACH GARDENS, Fla. — South Smith, former vice president of marketing and development for the National Golf Foundation, has been named national sales manager for Gary Player Golf Equipment. Smith joins Gary Player Golf Equipment after working seven years at the NGF. He also serve as a liaison between the NGF and equipment and apparel manufacturers in the golf industry.

**BEFORE AND AFTER**

The front nine of the Robber's Row course at Port Royal Golf Club in Hilton Head Island, S.C., has reopened after an extensive, five-month redesign by architect Pete Dye. The above photo shows the par-3 8th hole "before" the renovation. The bottom photo shows — believe it or not — the same hole "after" Dye had finished. Dye will complete the redesign of Robber's Row this year, with work on the back nine scheduled to begin this May.



California supers witness severe fire damage first-hand

By PETER BLAIS

"I was pretty nervous watching the fire come over that last ridge. It was moving fast and jumping all over the place. You'd see an area far away from the fire suddenly burst into flames. The fire was 40, 50 feet high. It was starting to come down the ridge when the wind suddenly shifted and knocked it down. We were pretty lucky."

NEWPORT BEACH, Calif. — If not for that sudden wind shift, Pelican Hills Director of Agronomy George Druzisky might be talking about his course, as well as THE FIRE, in the past tense.

As it was, the Tom Fazio design, voted *Golf Digest's* best new resort layout in 1993, escaped with damage to eight acres of native area bordering the Ocean Course's 5th hole, a couple of melted sprinkler heads and some minor turf damage.

The course's good fortune was typical throughout the Southern California golf community, where fires devastated woods, grassland and homes for nearly two weeks in late October and early November.

"The fire department asked us to evacuate at 1 p.m. [Oct. 27]," Druzisky recalled. "The course was pretty full. There was no immediate danger from the fire. But they [fire officials] were concerned about having to close the highways and people not being able to drive away."

"Most of the staff left, except for a few key people who stayed behind to man the sprinklers. We kept those running to slow the fire."

The flames never reached courses farther south in Laguna Beach. Still, several were affected.

The fire marched within a half mile of Coto De Caza Golf Course, ravaging a nearby Audubon Society wildlife preserve, according to head superintendent Lee

Continued on page 33

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Dredging would close Oakland muni golf course for up to seven years

OAKLAND, Calif. — "Here's Mud in Your Eye," city and port officials seem to be saying to Galbraith Golf Course patrons.

They plan to dump one million cubic yards of bay mud on the 18-hole, municipal course. This would shut down play from five to seven years while the bay mud dries.

Oakland port officials then would be responsible for developing a new golf course on the site.

Oakland officials contend the Bay channels must be dredged to 42 feet to accommodate the latest generation of cargo ships, and the Galbraith site is the port's best option. Large ships now must wait for high tide to dock and unload.

Dredging would generate about 5.7 million cubic yards of mud.

Eighty percent would be dumped at an ocean site 50 miles off the coast. The rest? Get ready, Galbraith!

Galbraith operators Howard Ransom and Hugh McKay hope for a compromise that would make part of the 130-acre site available for disposal, but would permit a portion to remain open to golfers.

They've proposed a system of ponds and filters for processing the dredged materials, thereby keeping the golf course in operation.

Port officials believe this will

not work because the golf course is built over a former garbage dump

Ransom suggests that city officials have a hidden agenda that includes removing McKay and himself as operators of the municipal course

While the verbal mud-slinging is being waged, the Army Corps of Engineers says it needs a final decision this month or the dredging, scheduled to begin in 1995, could be delayed.

Nervous neighbors sue Minn. course

MINNEAPOLIS — The ninth hole at the neighboring Grassy Creek Executive Golf Course is far more offensive than the 19th to neighbors Randy and Kristi Phillips.

Their home adjoining the ninth has been pelted by errant golf balls, and their car windshield broken, say the Phillips. Because of misfired tee shots, they are afraid to let their two small children play in the yard.

The Phillips are suing Donald E. Hill, who acquired course ownership in 1990, shortly before a developer started building and selling houses on surrounding property.

Randy Phillips said the house was bought in the winter, therefore the couple was not aware the golf balls could cause so many problems. Other neighbors experienced similar problems. "When you have to come home from work every night and do a damage check, it's just not fair," he added.

In addition, he and his wife have been subjected to abuse by golfers who insist on going into their yard to retrieve balls or use their property as an extension of the golf course.

Efforts to sell their house failed because of golf ball damage, they said.

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Palm Springs layout hits snag

INDIAN WELLS, Calif. — A \$10 million redevelopment subsidy for a planned residential and golf course project has encountered resistance.

Harold Schoenfeld, former superintendent of the Desert Sands Unified School District, led opposing residents demanding that the city prevent payment of taxes to the contractor and recover any funds already allocated. Payment also is requested for legal expenses.

Schoenfeld said the \$10 million

financing plan was "an illegal gift of public funds" that violated the state constitution.

The Reserve at Hidden Valley would include 250 homes and 21 golf holes on 600 acres north of Ironwood Country Club, south of the Living Desert preserve and east of Portola Avenue.

The City Council approved the \$60 million project 4-1 in November 1992. The plan included \$10 million in redevelopment funds to reimburse the Lowe Reserve Corp. for a flood gate at the country club.

Ky. course wins local court approval

COVINGTON, Ky. — Delays in the Devou Park Golf Course expansion have proved costly to opponents and proponents alike.

The city's plan to add nine holes to the Devou Park links met injunction opposition by a citizens group, which could lose the \$25,000 cash bond posted to file an injunction recently overturned by Kenton Circuit Court Judge Douglas Stephens.

Stephens ruled that Covington's plan to add nine holes violated neither the spirit nor the

letter of the deed restrictions on the property.

Some opponents favor pursuing the case. Others are weighing future costs, estimated at \$20,000.

The city hasn't escaped, claiming \$100,000 in losses from an injunction that stopped construction planned to start Aug. 1. City attorney Joe Condit said the city lost \$10,000 in legal fees and a projected \$85,000 in revenue because it lost a season of golf.

The course was to open next summer. Construction now will start in March.



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CIRCLE #104/BOOTH #3831

Tenn. track still a good year away

COLLIERVILLE, Tenn. — The privately operated Cotton Creek public golf course should be in use by the summer of 1995.

The Memphis-Shelby County Land Use Control Board has endorsed the Office of Planning and Development's support for the project.

Judd Lindsay, Cotton Creek developer, said the course will require 16-18 months for construction. The application calls for an 18-hole par-72 course, lighted driving range and pro shop.

The site is a 193-acre wooded tract on Collierville-Arlington Road, just north of Collierville.

Collierville plans a municipal course in competition with Cotton Creek. No one from the city contested Cotton Creek's application.

Calif. developer buys Fla. track

OCALA, Fla. — It's a long drive from California to Florida, but Los Angeles-based Manoucher Sarbaz plans golf course investment in the Sunshine State.

The Pico Investment Co. president recently bid a winning \$7.5 million for Golden Ocala, a 297-acre golf course and driving range northwest of Ocala. Sarbaz will upgrade Ocala's 18 holes, with its replica holes, and keep it public.

Ocala was built for \$31 million and last appraised at \$1.26 million. In 1992, gross income was \$954,505.

Ohio worker faces penalties

HAMILTON, Ohio — A former Weatherwax Golf Course employee faces more penalties.

Fired for stealing \$300 from the cash register last September, James C. Daley has admitted additional thefts the past two years.

Daley was sentenced to six months in jail and fined \$1,000 for his most recent misdeed. Police declined to name the amount Daley took.

The golf course record system since has been revised.

Dirty business makes N.J. state park course likely

JERSEY CITY, N.J. — A new element — \$3 million to \$4 million worth of dirt — may weigh heavily in the fate of a proposed golf course here in Liberty State Park.

State transportation officials expect to find out next month whether they will be able to donate the dirt to a Liberty State Park development project in which a golf course figures prominently.

The Liberty State Park Working Committee wants to know if

the state would allow spreading of the soil over a contaminated 225-acre area where it plans a golf course.

This would trim up to \$4 million from the course's estimated \$13 million price tag.

The dirt would be moved from Wayne, where a 400-acre artificial wetland is being created to make up for destruction of yet another wetland during work on state Route 287.

Course opponents object to the proposed site.

The Hudson County Board of Freeholders have been asked to consider an alternate site on the other side of Jersey City.

Ethel Pesin, a member of the Liberty State Park Advisory Commission and widow of former Jersey City Councilman Morris Pesin, the "Father of Liberty State Park," are leading the course opposition.

"The people of Hudson County should have a golf course, but not at Liberty State Park," she declared.

Mrs. Pesin and son Sam recommended a golf course be built on other undeveloped county-owned land west of Route 440 in Jersey City.

Liberty Park course supporters say the county should have its own course because golfers now are compelled to play in other counties.

They contend there is sufficient room at Liberty State Park to accommodate a golf course without detracting from other possible uses.

Hawaii layout receives okay from planners

HILO, Hawaii — A 27-hole golf course planned as part of the "Villages of Hokuano" has received county Planning Commission approval.

The course will be private, with public play one day a month at reduced rates. The developer plans to sell 1,500 golf club memberships in the \$100,000-\$500,000 range.

The developer — a partnership of the Lyle Anderson Co. of Scottsdale, Ariz., and Japan Airlines — seeks to rezone 637 of the project's 1,540 acres to allow agricultural lots of from one to three acres for house sites.

The developer will pay \$12 million to pave the roadway from Kuakini Highway near Honalo to the project site.

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Vt. developer offers muni golf property

SOUTH BURLINGTON, Vt. — The Green Mountain State, already snow-decorated, may become a bit greener.

Dean Economou proposes what is believed to be the first municipal golf course in Vermont on 200 of 400 acres on his family farm. It would be 18 holes.

City manager Charles Hafter said plans to keep 200 acres undeveloped near the city center has been one of the goals of South Burlington city councilors.

The city will hire a firm to study whether a municipal golf course is feasible for South Burlington.

Economou received a letter from Jack Nicklaus expressing interest in designing the course.

Family returns with plans for N.H. links

DURHAM, N.H. — New plans for a proposed 18-hole golf course have been accepted by the local Planning Board.

The scaled-down version of a plan rejected last year will embrace golf course, clubhouse, function hall and restaurant. The rejected plan would have required development within the shoreland protection zone.

The developer, the Benevento Family Trust, intends to begin construction this spring and open for golf in 1996.

Malcolm R. McNeill Jr., attorney for the developer, said the course will be environmentally sensitive.

Mass. course gets environmental nod

WALTHAM, Mass. — A plan to build a golf course on the site of the closed Metropolitan State Hospital has met state and municipal task force approval.

Chemicals used to maintain greens would not damage wetlands on the property, said city planning director Ronald Vokey. The proposal to build a nine-hole course on the now-vacant site of the closed state mental hospital had been criticized by environmental groups charging a golf course would damage wildlife and wetlands.

Vokey said the architect of the proposed course is revising the layout to leave untouched Mackerel Cove, an area some environmentalists want to preserve.

A housing task force is studying development of housing on the Lexington portion of the property, where abandoned hospital buildings now stand.

The Met State site straddles Waltham, Lexington and Belmont. Under the current plan, 220 acres would be a wildlife preserve.

Mich. DNR to decide layout's fate

SAUGATUCK, Mich. — "A course everybody would be proud of," or "a chemical dump."

These extremes were voiced at a Department of Natural Resources hearing as permits were sought to develop Saugatuck Golf Club. ASK Inc. needs permits to convert 6.8 acres of wetlands into five ponds, fill 0.46 acres of wetlands, and construct several boardwalks.

Course designer Bruce Matthews said developers would follow DNR guidelines, known as "best management practices," for fertilizers and pesticides.

Citing environmental concerns, several residents asked state officials to reject course plans. "What we're proposing here is a dump for a lot of chemicals," charged Joy Fleming, Holland Audubon Society vice president.

Calif. golfers excited about 9-hole track

SAN RAFAEL, Calif. — Golf carts won't be available until next spring, but golfers are walking with enthusiasm, and in growing numbers, at the new 9-hole executive course at McInnis Park Golf Center here.

The course completes the \$5 million complex, which includes a 62-station driving range, teaching center, clubhouse, restaurant, miniature golf course, and baseball and softball batting cages.

Groundskeepers will evaluate course wear and decide whether to continue keeping it open four days a week through the winter or go to seven days a week.

Fred Bliss designed the course.

Fla. planners cut Scandinavia USA a rare break

BARTOW, Fla. — Because a developer with prior approval had spent \$13 million to build an 18-hole golf course on a tract in which more than half the area is wetlands, the Polk County Commission struck a deal.

Scandinavia USA will be allowed to develop a golf course community on a low-lying area at the edge of the Green Swamp here. In exchange, the developer must monitor wells around the course for chemical contamination.

The developers must protect the 532 acres on the site and guarantee the 987 homes planned there will have sewer service from Lakeland.

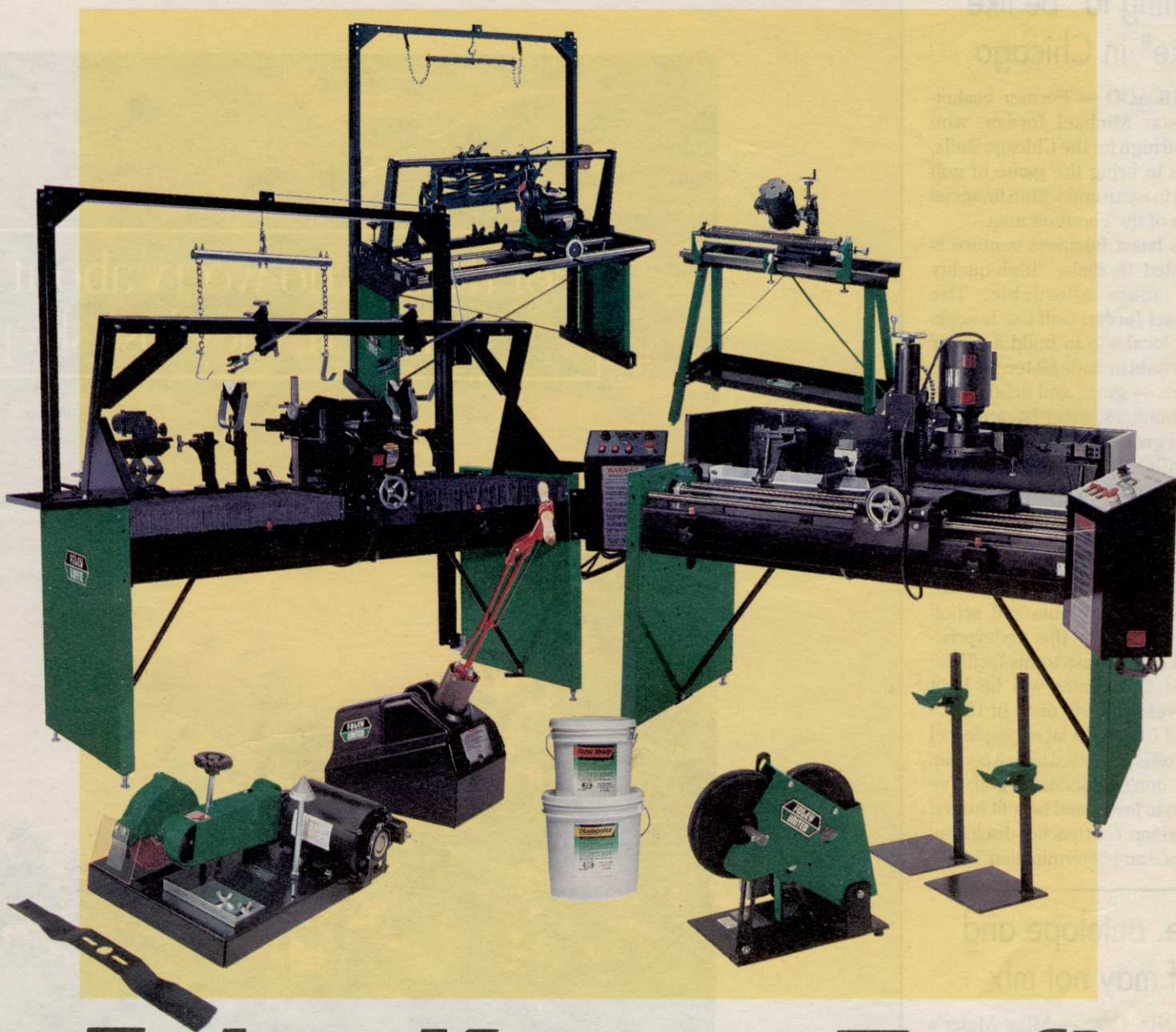
The settlement for the 1,020-acre development northeast of Lakeland resolves a challenge the Florida Department of Community

Affairs filed in December 1992.

DCA officials claimed the golf course plans included use of pesticides and other chemicals that could pollute underground and surface water, and that a planned irrigation well for the golf course could dry up wetlands by pumping too much ground water.

Under the agreement, Scandinavia USA must keep written records of the amount, date and location of all chemicals applied to the golf course. The developers must also collect water samples from the wells around the site before the golf course is constructed.

Since 1974, state officials have classified 295,000 acres of the Green Swamp — including 189,000 acres in Polk County — as an Area of Critical State Concern because of the importance to the state's natural resources.



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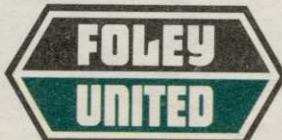
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CIRCLE #106/BOOTH #2109

Fla. sports mogul plans golf facility

PALM BEACH, Fla. — "Wayne's World" seems somewhat out of geographical sync, but Palm Beach County Sports Commission Executive Director Pam Gerig is impressed by video king H. Wayne Huizenga's plans for a giant South Florida sports, business and entertainment complex.

James J. Blosser, assistant to Blockbuster Entertainment Corp. chairman Huizenga, unveiled an artist's rendering of the 2,500-acre sports-based complex earmarked for Broward and Dade counties.

The complex would embrace a champion-

ship golf course and such attractions as baseball, movie studio, hockey, business park and water and arena sports.

"Wayne's World" will cause visitors to spend more time and money in South Florida, some of that in Palm Beach County, said consultant Bernie Budd.

Gerig agreed, "though we would have loved to have seen the complex move further north."

While concrete benefits for Palm Beach County were hazy, listeners liked the ring of "20,000 jobs created."

Calif. planners see room for drivers, bugs

MODESTO, Calif. — Move over, once-threatened snail darter and spotted owl.

The valley elderberry longhorn beetle will co-exist, if on a somewhat reduced scale, with players at a planned nine-hole addition to Del Rio Golf and Country Club.

The Stanislaus County Planning Commission has approved development of the course designed to nurture both golf bug and the pencil eraser-sized bug, which has a three-month life cycle in the bark of the elderberry bush. Del Rio will plant 6,000 elder-

berry bushes and 12,000 other native plants.

Next step is to obtain federal approval for the course, planned as a blend of dense, chaotic, riverside habitat pocketed with manicured fairways and greens.

One environmentalist questioned the vagueness of the promised protections for the beetles. Another termed the decision "another victory for a non-threatened species, the two-legged, yellow-bellied golfer."

To which a member of that species cried, "Fore!"

Getting to "be like Mike" in Chicago

CHICAGO — Former basketball star Michael Jordan, who soared high for the Chicago Bulls, wants to bring the game of golf down to earth and within financial reach of the common man.

His latest business venture is intended to make "high-quality golf" more affordable. The Michael Jordan Golf Co. is seeking a local site to build a center that would include 80-tee practice ranges — grass and artificial — with bunkers, water hazards and target greens in the landing area.

While the center wouldn't skimp on luxury or professionalism, Jordan said he would make the fees cheaper than those on the average course, and would provide, with the aid of corporate sponsorships, grants and scholarships to help the underprivileged gain access to his facility.

The first center will be built next year and will open in 1995.

Said Jordan: "A lot of people feel that golf is restricted to rich people. They don't understand golf. I've grown to love it and benefit from it as a person. Golf teaches discipline, patience and determination."

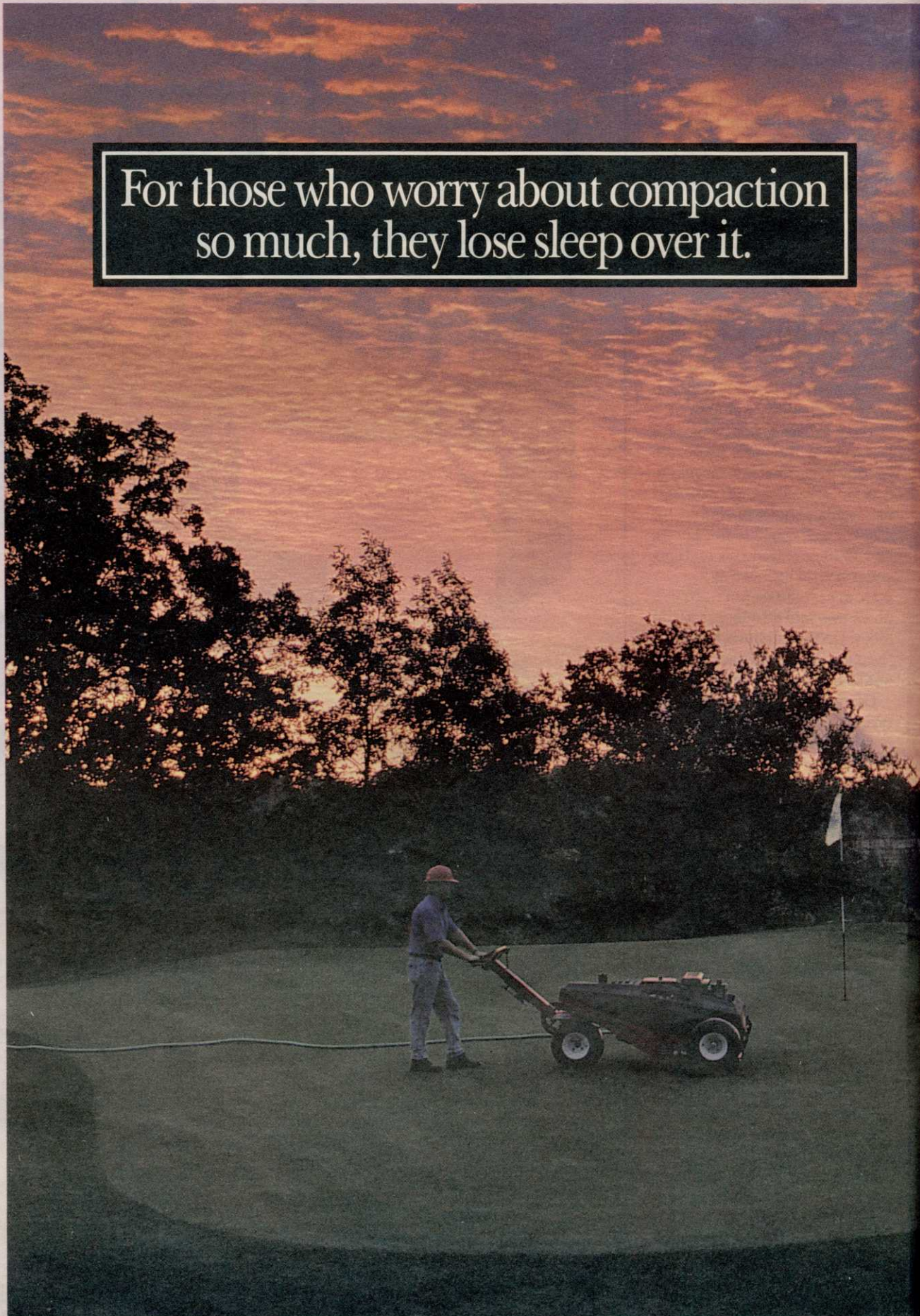
Ore. antelope and golf may not mix

BEND, Ore. — Mike Maier's vision of an 18-hole municipal course north of Bend may have run afoul of an antelope range.

Maier has been working on the project three years. Neither Maier nor the golf course developer were aware that, last year, county planners designated the proposed course site part of an antelope range in new wildlife zones.

County planners didn't think the range would sabotage the project, but Steve George, a biologist for Oregon's Department of Fish and Wildlife, said, "If you make one exception, you're going to have to make a bunch of others."

About 250 head of antelope were observed on the site last winter, George said. "We were concerned about development creeping north," he added. "Golf courses are not a good use within a wildlife area."



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

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Rodriguez and Eller win NGF's Rossi and Family awards

JUPITER, Fla. — Juan "Chi Chi" Rodriguez, one of the most popular golfers to ever play the game, has been named the 1993 recipient of the National Golf Foundation's Graffis Award. The award recognizes outstanding contribution to the game in the tradition of Herb and Joe Graffis who co-founded the NGF in 1936, and worked tirelessly to enhance the health and enjoyment of the game.

The NGF presented the award

to Rodriguez, winner of the 1989 Golf Course Superintendents Association of America Old Tom Morris Award, on Dec. 9, at the Hyatt Dorado Beach hotel near San Juan, Puerto Rico during the Senior PGA Tour Championship Pro Am awards dinner.

Until recently, the NGF bestowed two Graffis awards: One for excellence in golf education in the name of Joe Graffis and the other for long-time, overall contribution in honor of Herb. These

two awards were combined in 1992 into a single award. The first recipient of this new consolidated award was Robert F. MacNally, president of the Tommy Armour Golf Co.

Rodriguez's contributions to the game extend far beyond his remarkable 33-years playing career. Over the years his charitable work for children has become legend.

Of all that he has done in this area, he is best known for the Chi

Chi Rodriguez Youth Foundation of Clearwater, Fla., which he co-founded with former golf professional Bill Hayes in 1979. The foundation works mainly with disadvantaged and abused children aged five to 15; helping them develop a sense of responsibility and a measure of self-worth through the golf related work and play programs.

...

JUPITER, Fla. — The Harold Eller Family, considered by many

in Tennessee to be the state's first family of golf, has been honored as the National Golf Foundation's Jack Nicklaus Golf Family of the Year Award for 1993.

"The National Golf Foundation could not honor a more deserving family than the Ellers. The influence and impact they have had on Tennesseans is unsurpassed. It's a great tribute to a very special family," said Dick Horton, executive director of the Tennessee Golf Association and Tennessee PGA.

Utah developer revives project

MAPLETON, Utah — A golf course project proposed two years ago by city officials — but fell through when landowners backed out — has been revived.

An 18-hole course would be the centerpiece of a 150- to 180-acre development near the mouth of Maple Mountain. Local developer John Henrichsen said the project would include about 125 homes.

"This will be a clean, well-organized, environmentally safe, land-efficient development," Henrichsen said.

Opposition may come from residents who believe the plan would destroy the city's rural atmosphere.

A 1991 viability study by a golf course construction company indicated that a course in Mapleton would be profitable.

Upscale Ohio golf community planned

AVON, Ohio — A multi-million dollar, high-profile golf course and retirement community is planned here by two developers.

Carnegie Residential Development in Westlake, and Schafer Development Co., Inc. of Avon, head the project. They plan to buy 200 acres to go with the current 575 to embrace clubhouse and tennis courts.

The developers envision a 7,000-yard course on a par with Muirfield of Dublin, designed by Jack Nicklaus, who is among the architects contacted to map out the facility.

Developers hope to clear all land deals before approaching city officials with plans for the golf course facility. Joe Rice, Carnegie spokesman, confirmed that he hopes to break ground by summer on 175 acres of single-family homes and a retirement center.

The 175 acres are in escrow, as are 198 acres for the golf course portion of the project.

Your worry is

justified. Because compaction is a major cause of turf stress. And

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Resulting in disgruntled golfers as well as lost revenue.

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And to help you sleep better.



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Introducing: Two new editorial features for '94

Last year at this time, *Golf Course News* introduced three new features that appeared each month during 1993: "Tour of Duty," "Marketing Idea of the Month" and "Q&A" with architects in the news. All three features have been well received and will continue in 1994.

But the golf course market never stops changing, so we added two new features to keep pace.

The "USGA: Off the Record" (get it?) is a monthly spotlight report appearing in the Maintenance section. Each report will discuss a specific piece of

turfgrass research, conducted by universities and field stations across the nation, or an innovative maintenance technique.

USGA Green Section Director of Research Mike Kenna penned the first installment, which appears this month on page 41. He and other Green Section regional directors and staff will weigh in each month with scientific studies of interest to superintendents.

The second new feature, called "The Public Arena," will



Hal Phillips,
editor

appear monthly at the newspaper's rear — where "On the Green" used to appear (Don't worry, innovative equipment fans: "On the Green" has been moved to the Maintenance section, page 26).

"The Public Arena" will concentrate on the stupendous growth of public-access golf in America. This month, we look at the city of Williamsburg, Va., which proves that municipalities can orchestrate and determine the nature of golf developments within its borders

(see page 78).

...

A quick glance south will reveal a letter to the editor from Jerry Matthews, president of the American Society of Golf Course Architects. Go ahead and read it — I'll wait...

As you can see from his letter, Matthews believes the annual *Golf Course News* poll of architects — which determines Architect of the Year, Builder of the Year, Best Mountain Course, etc. — is not fair to architects who don't have big "names." He also maintains that architects don't make a habit of

Continued on next page

Hey, no offense intended... None taken?

Please, I don't mean to offend, but can anyone get through 24 hours nowadays without piercing someone's sensitivities?

The peoplehood of America is speaking up, and it's silly and disgusting... It seems that someone from every nook and cranny, every tier of social strata and every ancestry thinks they have to be offended by something — anything. And if they're not offended, they should be, say the self-proclaimed spokespeople. It seems some are making careers out of being offended. Frankly, I find their offense... well, offensive.

A group of African Americans stands before the television cameras and dispatch missives

against this, that and the other thing. At the University of Massachusetts (pop. 23,000) a group of 30 protesters wants the school to change its nickname. Protesters say the Minuteman, who has a musket resting on his thigh, is a white, gun-bearing male figure who promotes sexism, racism and violence. In 1972 UMass changed its name from Redmen because protesters said it opposed Native Americans.

This is emotional, intellectual tripe, causing divisiveness and anger. And it is being given credence.

Do we have nothing better to



Mark Leslie,
managing editor

do in the United States than dig for reasons to get upset? Whatever happened to "one nation under God, indivisible, with liberty and justice for all"? Oh, right, we kicked God out of it, so now it's open season.

Are the Frenchpersons of hardier stock up there in Canada where a National Hockey League team is called the Canucks? They don't seem upset. Maybe they don't need A CAUSE.

I've got Native American blood mixed in with Scottish and there is a bunch of people who think they can speak for me. They can spit out epithats

against the Atlanta Braves, the Cleveland Indians, the Dalhousie Warriors. The tomahawk chop offends them. Give me a break!

Next thing you know, the world of golf will be met here and there with the likes of protesters picketing the names of golf courses.

So, here's the bottom line. I think Golf Nation should be proactive here and beat these poor offended persons to the punch. Be thinking of what inoffensive name you can give your facility. But, in doing so, keep these asides (or is it broadsides?) in mind:

- Beware of color references and cut out Indian (as in Indian Creek, Indian Foothills, Indian Meadow and Indian Summer);

Continued on page 51

Letters

ASGCA HEAD TAKES ISSUE

To the Editor:

I would like to take this opportunity to tell you that Matthews & Associates, P.C. has a certain respect and appreciation for the solid, concise golf information which *Golf Course News* provides. It is one of the few publications in the golf industry which is consistently read in our office. It has always been a magazine which maintains a certain level of credibility due to the accurate content of its articles.

Therefore, I feel it necessary to express my views regarding your recent survey of "Best Architect of the Year", "Best Builder of the Year", etc. Your publication has the distinction of serving the entire United States. Keeping this in mind, I find it next to impossible for your respondents to determine the "Best" in any category. The respondents cannot possibly realistically be expected to have traveled throughout the entire United States to evaluate with any consistency the "Best" courses, architects, or builders. Each respondent will, of course, be biased towards his/her geographic location and as such the votes in each category will reflect this.

In addition, I feel these surveys

tend to be more politically motivated and less reflective of actual talents/designs. Many lesser known courses, designers, and builders are overlooked, not because of their achievements but, because of their lack of votes, due mainly to lack of name recognition acquired through large publicity budgets.

Thank you for taking the time to review my comments and I look forward to hearing from you.

Jerry Matthews
ASGCA president
President
Matthews & Associates, P.C.

MORE DAILY-FEE ATTENTION

To the Editor:

I had the pleasure of attending your Public Golf 1993 Conference at Wild Dunes. I congratulate you and your organization on a very professional conference with great speakers and well organized material.

I am looking forward to next year and I would like to make one suggestion: That considerable time in your conference be given to the upscale, daily-fee facilities. This type of operation needs to be separate from the resort and other daily-fee operations.

Again, congratulations on a

great conference. Looking forward to seeing you in Orlando.

Richard B. Craig
Vice president and general manager

Jack Nicklaus Sports Center
Mason, Ohio

Ed. Thanks for the positive input. Next year in Orlando, *Golf Course News* will sponsor Golf Course Expo, an exhibition and three-tracked conference. Because we've expanded the education program to include Management, Development and Agronomy tracks, we do plan to concentrate on more specific aspects of the public-access golf market, including upscale daily fees.

LOYAL LETTER READER

To the Editor:

This is just a quick note to let you know that our company finds your *Golf Course News Development Letter* an extremely valuable piece of information.

We look forward to receiving our newsletter every other Monday, and we appreciate the accuracy of its contents. Keep up the good work!

Enclosed, please find our renewal of the subscription, and one of our brochures. Just thought you may like to know one of your

customers, as we like to know ours.

Jody Downing
Manager, Earth Sculptures
La Quinta, Calif.

Ed. Kudos to *Development Letter* Editor Peter Blais. If you haven't seen the *Letter*, which tracks golf projects in planning and under construction, call Peter at 207-846-0600.

REGIONAL NEWS HOLE

To the Editor:

I fully enjoy reading *Golf Course News*. The information is always timely, thought provoking and useful. The Regional News section, however, does not include information from the south central section of the country (Texas, Louisiana, Oklahoma, Mississippi and Alabama). I would appreciate information from this area.

Earl A. Tonjes
GM, Old Cross Bayou Club
Bossier City, La.

Ed. You're right. We depend on state superintendent associations and various other groups to provide much of the news for this section. Frankly, we don't get very much from any of these states, with the exception of Texas. We'll try harder if folks in this region do, too!

GOLF COURSE NEWS

THE NEWSPAPER FOR THE GOLF COURSE INDUSTRY

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GOLF COURSE NEWS

EPA head addresses golf course management practices

By CAROL M. BROWNER

I don't play golf, but I love green landscapes, blue skies and crystal clear water — just like the nation's 14 million active golfers. And as the head of the agency that promotes public health by protecting our nation's air, water, and land, I have a strong interest in golf courses.

Golf course owners and managers can do much to promote a safe, clean environment. I look forward to working with you to make it happen.

In June, along with the Secretary of Agriculture and the head of the Food and Drug Administration, I announced a commitment to reduce pesticide use throughout the U.S. — a sharp reversal of the pesticide-intensive policy of the past 50 years. This new policy will help protect people from cancer, respiratory problems, and neurological disorders associated with exposure to pesticides through food, drinking water and lawns.

Today's golf courses use a large quantity of pesticides. In fact, golf courses use four to seven times more pesticides per treated-acre than farms. And heavy pesticide use doesn't just affect golfers and the people who spray the turf. Children who walk the course with their golfing parents may be more sensitive to pesticide residues than the typical adult.

Carol M. Browner is administrator of the United States Environmental Protection Agency.



Carol Browner,
EPA administrator

Further, pesticide run-off can severely threaten the drinking water supply of the nearby community, as well as local wildlife. (Several years ago, managers who spread the pesticide diazinon on their courses saw geese eating the brightly colored pellets — and then dropping dead by the thousands right on

the green. Diazinon is no longer sold for golf course use.)

As part of our new policy, we're urging golf course owners and managers to pursue Integrated Pest Management (IPM), which has already been used successfully at many golf courses. IPM has been enthusiastically endorsed by the Golf Course Superintendents Association of America and the United States Golf Association.

If you're not already using IPM, ask yourself these questions:

- Does my course use the most pest-resistant type of turf for this climate and locale?
- Am I spraying whole areas, where only spot treatment is needed?
- Am I overusing "preventive" measures for problems that may never occur? Could I wait to control some weeds and insects as needed?

Most golf course owners find they can greatly reduce their use of pesticides without suffering any adverse effects at all. Your golfers will still have a good game. Your neighbors will be grateful. And given the rising cost of pesticides, you may very well save money.

Aside from reducing pesticide use,

there's more that golf course owners and managers can do. By cutting down on water use, you can save money and help your local community. In many cases, the type of turf that's most disease-resistant in your geographic area will be able to survive without much watering.

Finally, instead of simply not damaging the natural area around the course, why not actually improve it?

Imaginative course owners can create rich wildlife habitats, including wetlands, which play a critical role in the preservation of our nation's wonderful variety of birds, frogs, and fish. The most beautiful golf courses provide an ideal outing for golfers precisely because they've been built in harmony with nature, not against it. In fact, some of the finest courses in America are essentially 18-hole nature walks.

When I came to EPA, I vowed to use every tool at my disposal to enforce the environmental laws of the land. But fines and penalties, regulation and prosecution are only one part of environmental protection. Another part is encouraging American businesses to take voluntary action to safeguard our world.

I'm glad to say that many golfers are among the 80 percent of Americans who consider themselves environmentalists. And some golf course owners and managers are in the forefront of pollution prevention. All of us who love being outdoors can be a powerful force for environmental protection — not just on the golf course, but day in and day out, at work, at home, and in the community.

One of the more avid golfers I know is firmly committed to doing just that. His name is Bill Clinton.

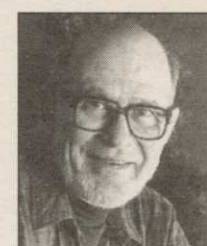
Obituaries

Howard Kaerwer, 73

SPOKANE, Wash. — Howard E. Kaerwer, retired director of turfgrass research and development at Northrup King Co., died on Nov. 10, 1993. He was 73.

Mr. Kaerwer was born in Oshkosh, Wis., and served during World War II aboard a Navy submarine. He received his B.S. in agronomy from the University of Wisconsin and his M.S. from the University of Minnesota.

Mr. Kaerwer logged 37 years of crops, forage, and turfgrass breeding and research at NK. He took charge of NK research 1953 and developed extensive cooperative research projects with uni-



Mr. Howard Kaerwer

versity researchers across the country. His collection of personally collected germplasm samples yielded such landmark varieties as NK100, NK200, Goalie and Delray perennial ryegrasses, and Rugby Kentucky bluegrass. When he retired in 1984, he joined the Advisory Committee and the Turfgrass and Environmental Research Committee at the USGA. He earned the Distinguished service award from the Golf Course Superintendents of America in 1988.

On Nov. 17, 1993, Mr. Kaerwer was scheduled to be honored as the Minnesota Golf Course Superintendents Association Man of the Year. Larry Vettor, a long-time colleague at NK, accepted the award on his behalf.

Mr. Kaerwer is survived by his wife, Barbara, in Minnesota and his sister, Elizabeth, in Illinois. Gifts in his memory may be directed to the University of Minnesota Landscape Arboretum Foundation.

Phillips comment

Continued from previous page

jetting around the country, playing all the new golf courses.

Jerry has a good point. Architects do not, nor should they expected to play all the nation's newly opened golf courses. However, who better to make judgments on the quality of golf courses? The *Golf Course News* staff? Hardly.

Further, all polls, surveys and elections are, by nature, political and subjective. That's why they're so interesting.

Golf Course News will respond to Matthews' comments, as we have in the past. The annual *Golf Course News* awards are not set in stone — they change with every passing year. For example, in response to input from readers, this year we honored the unsung members architectural firms (instead of the principal "name") and the best maintained course on the LPGA Tour (as opposed to the Senior or PGA tours).

We always appreciate your comments, good and bad. And we always try to respond.

When I took this job about two years ago, one of my first questions was, "I wonder if superintendents liked *Caddyshack*." Funny movie — perhaps the funniest movie ever made about golf. But it's not particularly flattering to superintendents.

Whether you thought the film was hilarious or felt the maintenance profession has just begun to live it down, I thought you might be interested that *Caddyshack* has finally reached American pop culture's pinnacle status: Merchandising.

Yes, Atlanta-based Ford Trading Company

has announced the completion of an agreement with Licensing Corp. of America, a division of Warner Bros., to market merchandise bearing the Bushwood Country Club logo and other related *Caddyshack* references such as "Be the ball," "Cinderella story," and presumably, "Die, gopher!"

According to Ford spokesman Warren Grant, any purchase of *Caddyshack* memorabilia carries with it automatic lifetime membership at Bushwood CC. For additional information, call Ford Trading Company at 404-885-9385.

Talking to the one-and-only Palmer Maples is always a treat. His comments were sought this month in connection with the story on Steve Mona's appointment as GCSAA executive director. For 12 years, Palmer has served as superintendent at Summit Chase CC, in Snellville, Ga., 25 miles outside Atlanta. He's clearly taken with the place.

"Everybody is somebody in Snellville," he proclaims proudly. "In fact, Atlanta's just a suburb of Snellville."

In case you missed it, Publisher Charles von Brecht has moved the *Golf Course News* advertising office to a new location in downtown St. Petersburg, Fla.

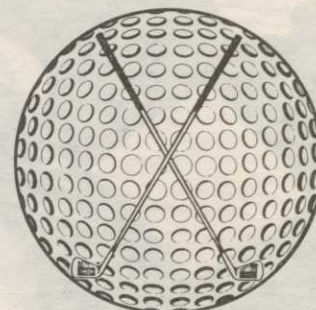
His new address and phone/fax number — and those of Marketplace salesperson Mary Anderson, appear each month in the masthead on the facing page.

But for your convenience, it appears here, as well:

Charles E. von Brecht
227 Second Avenue North
St. Petersburg, FL 33701
Phone: 813-898-7077;
Fax: 813-825-0923

READERS are invited to contribute letters and guest commentaries to the *Golf Course News* editorial pages. If something in the newspaper rings true, we want to know about it. By the same token, if something rubs you the wrong way, we want to know about that, too. Please send submittals to *Golf Course News*, 38 Lafayette St., Yarmouth, ME 04096; or call 207-846-0600.

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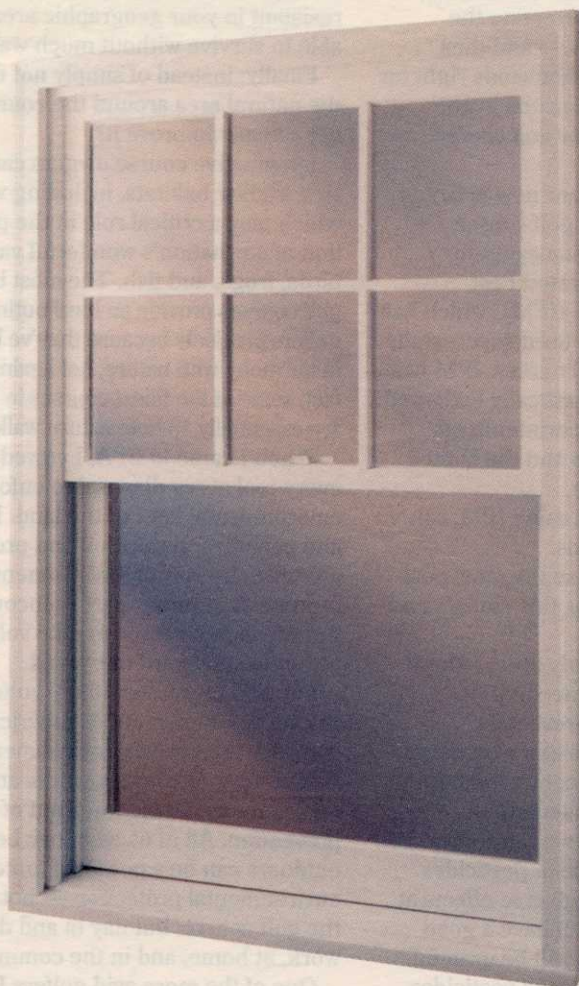
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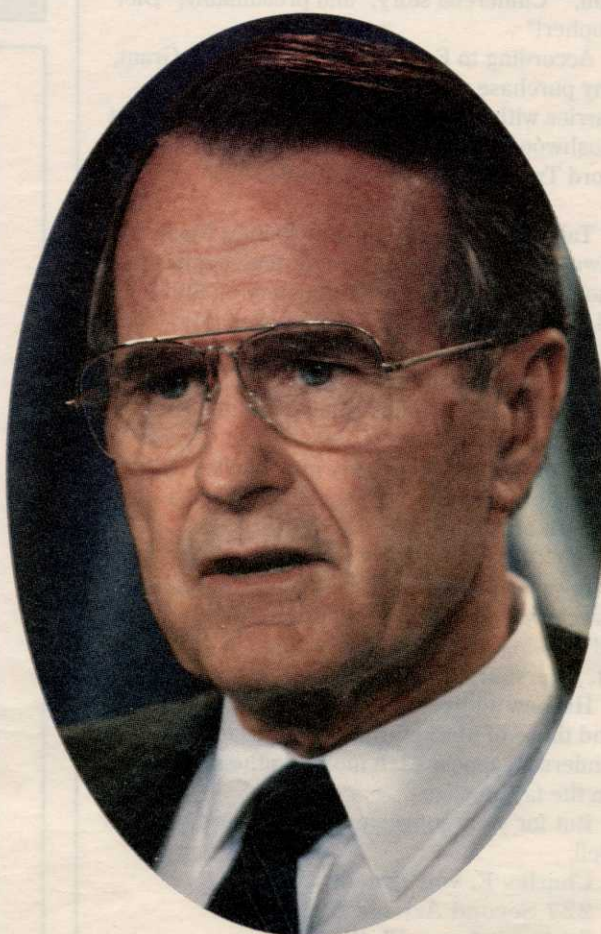
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THINGS THAT DON'T WORK WELL TOGETHER.



THINGS THAT DON'T WORK WELL TOGETHER.



Some things just aren't meant to go together. For example, well-hit baseballs and windows, Bush and broccoli, postal delivery persons and neighborhood dogs. No matter how hard you try, they just don't fit together.

On the other hand, some things are meant to go together: beer and pretzels, football and Thanksgiving, peanut butter and jelly, kids and puppies.

When it comes to disease control on turfgrasses – especially brown patch, leaf spot, dollar spot, and summer patch – there are two products that go together pretty well, too.

Diseases Controlled By A Tank Mix Of Banner And Daconil 2787.

Anthracnose
Brown Patch
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So well, that it's as if they were almost created especially to be used in a tank-mix combination: Banner® and Daconil 2787®.

They Work Better Together.

When these two remarkable products are used together in a tank mix, they provide even more remarkable results on turf diseases. Such as:

- Broader control
- Longer control
- Lower rates

Banner and Daconil 2787, when used at their lowest labeled rates, provide excellent control of all major turf diseases (except Pythium) when used on a typical 14- to 21-day program.

Better control, in fact, than you can get with the highest rates of either product when used alone.

Use Less Active Ingredient.

These low rates minimize the amount of active ingredient that you have to apply to the turf, yet provide both longer disease control and a spectrum of control that would not have been possible with either one of the products alone.

Because this tank mix offers two different modes of action, there is less chance of disease recurrence. It also minimizes the development of insensitivity.

Results for the performance of this tank mix are based on extensive research conducted at universities and golf courses all across the country.

Stay Ahead Of Disease.

The results are conclusive: Tank mixing Banner and Daconil 2787 can let you stay effectively ahead of diseases – while allowing you to use the lowest labeled rates for more cost efficiency.

If disease becomes established, you often have to throw a lot of money at the problem to make it go away. This is because treating diseases once they are established usually requires using a lot of different individual products to control the various diseases.

Preventive Vs. Curative.

A preventive approach works better.

Using a preventive instead of a strictly curative approach to disease control has several advantages.

Turf that has not been weakened by disease is stronger, and better able to handle other stresses during the year. The turf generally stays healthier, as well.

But perhaps the main advantage of the preventive approach is that undamaged turf looks a whole lot better than turf that has suffered an attack by disease.

This alone is reason enough to try a Banner plus Daconil 2787 tank mix to prevent disease from ever getting a foothold on your turf. And it's available for use on both golf courses and residential lawns.

A More Practical Approach.

A tank mix of Banner and Daconil 2787 is so economical and effective, it makes taking a preventive approach to controlling turf diseases totally practical – whether on a private or public golf course, or on residential lawns being serviced by a lawn care professional. Even on a tight budget.

In fact, this new tank mix is so practical, we're sure you'll believe as we do that Banner and Daconil 2787 applied in combination are the greatest thing since sliced bread (and butter!).



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Who would have thought this combination would revolutionize the fight against brown patch and dollar spot? Yet a tank mix of Banner® and Daconil 2787®, at their lowest rates, will give you superior control. More than either fungicide can alone at their highest rates. And with longer residual. Which means brown patch and dollar spot won't just go away. They will stay away.

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CIRCLE #108/BOOTH #3831

GOLF COURSE



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NOVEMBER 11-12, 1994

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The Expo features:

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- A two-day educational program with three-tracks featuring industry leaders speaking on agronomy, management, and development

Plan now to be there

**Mark your calendar NOW and send for more information—
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YES!

- ☐ Send me information about Golf Course Expo—including free VIP admission to the show floor
- ☐ I'm also interested in information on the three track conference
- ☐ My company would like to purchase exhibit space—please send me more details

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Big D
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to keep you
busy, day & night

It's
Showtime!

By TOMMY WITT

DALLAS — Record attendance is anticipated as attendees converge on Dallas for the 65th International Golf Course Conference and Show, Jan. 31-Feb. 7. But one question remains: "What is there to see and do in Big D?"

There are numerous entertaining answers available for conferees. Dallas, the number one destination for Texas visitors, is prepared to keep you entertained.

Attractions abound. As the nation recently marked the 30th anniversary of President Kennedy's death, conferees may visit the JFK Memorial, Deely Plaza and the Texas School Book Depository Sixth Floor Museum. Other notable city points of interest include the John Neely Brown Cabin, Reunion Tower, Thanksgiving Square, the Arboretum and Botanical Gardens. The Dallas-Fort Worth Metroplex also features many fine museums.

Fans of the television show "Dallas," may consider a trip to the South Fork Ranch. Tours of the house and grounds are a favorite of most first-time visitors to the city.

If shopping is your cup of tea, you have come to the right place. The North Park Mall, famed Galleria — complete with skating rink — and various outlet malls are also available for your shopping pleasure.

The West End District and Deep Ellum Districts are noted for their nightlife. Musical entertainment, restaurants, night clubs and shops make these two areas prime choices of Dallas visitors.

The subject of dining provides an endless menu of options. Noted restaurants such as Baby Ruth, The Mansion on Turtle Creek, The Riviera, Del Frisco's Steakhouse, Old Warsaw and The Enclave are some of Dallas' best.

No trip to Texas would be complete without being exposed to some real Southwestern entertainment. The famed Billy Bobs is located in the city of Fort Worth, about 30 minutes from downtown Dallas. Restaurants, clubs, shops, live music and indoor bull riding can all be found under the same roof. Nationally recognized country and western entertainers are regulars on the stage. Dallas is also home to numerous country and western clubs.

For those interested in sports, Dallas offers everything under the sun. During the conference period, both the Dallas Mavericks basketball and the Dallas Stars hockey teams will play at least one home game at Reunion Arena, which is accessible from all conference hotels. In addition, the Mesquite Rodeo is held every weekend in Mesquite, a suburb

Continued on page 20

Tommy Witt is the golf course superintendent at Bent Tree Country Club in Dallas.

No trip to Texas would be complete without being exposed to some real Southwestern entertainment.

INSIDE:

- A full schedule of the week's events... page 16.
- Thumbnail sketches of the candidates... page 17.
- Ballot Box: Comment and summary... pages 1 & 19
- Joe Baidy assumes GCSAA presidency; industry reaction to Steve Mona's hire... pages 20 & 21.
- Byron Nelson (right), the Old Tom Morris winner, is among this year's GCSAA honorees... page 22.
- GCBAA and NGCOA meetings, page 23.



GCSAA Championship: A battle of home favorites?

By PETER BLAIS

AUSTIN, Texas — Superintendents Dale Miller of Barton Creek and Bill Hanna of Austin Country Club may not be familiar names to followers of the Golf Course Superintendents Association of America Golf Championship scene.

Neither has ever won the tourney. But both are accomplished golfers. And with the 36-hole championship flight being held at their home courses on Jan. 31 and Feb. 1, their knowledge should place them among the favorites to win the event.

"Dale's my man" said Barton Creek head pro Greg Smith of his course manager. "He's a scratch golfer and has to be considered one of the favorites in any tourney he plays."

"We have a third course here called Lakeside. Dale shot a 61 there. That's just a stroke off the course record."

The championship flight will be played on Barton Creek's Crenshaw/Coore Golf Course. Fairways are large and greens enormous, averaging about 10,000 square feet. The par-5, 16th, for instance, has a 14,000-square-foot putting surface.

"It's fairly easy to reach in two. But the green is so big, that's no guarantee you'll make par," Smith warned.

"The fairways are wide, so the course puts a premium on chipping and putting. The greens are undulating, but funnel everything toward the middle."

The par 4, 430-yard 10th is the best hole,



The Hills at Lakeway, designed by Jack Nicklaus and taken care of by superintendent Greg Hinton, is one of four Austin-area courses slated for this year's GCSAA Golf Championship. The final flight will be played over Barton Creek and Austin Country Club.

according to Smith. The downhill drive is straight toward a fairway bunker just past the landing area. The approach is back uphill to an elevated green protected by a pair of sand bunkers. A prevailing left-to-right wind makes it all the more difficult.

Other memorable holes are the 4th and 12th, both of which have a giant oak tree sitting in the middle of the fairway. The 13th is the highest point on the course, affording beautiful views of the state capitol.

Austin Country Club head pro Tinsley Pinick describes his layout as "one of Pete Dye's better courses. It's not that long. But there's usually trouble on the left and trouble on the right, so you have to keep the ball in play. It's visually intimidating."

Which is why he expects Hanna to do well. Austin CC's superintendent carries a very respectable 5 handicap and has played the course enough, Pinick believes, that he won't be intimidated.

"Once you get over the visual intimidation at any Dye course, you find they aren't that difficult to play," he said.

The par 4, 11th is the signature hole, requiring a 190-yard carry over an open canyon from the back tees.

But the one that consistently plays the most over par is the deceptive 287-yard, 4th hole. Lake Austin runs the entire length of the short par 4.

"Water comes into play on the first and second shot. But the hole is so short, people

Continued on page 22

1994 GCSAA Conference Seminar Schedule

PRE-CONFERENCE SEMINARS

You may select from 59 one- or two-day seminars to meet your professional needs. The line-up offers four new programs — all of which address important environmental concerns that golf course superintendents face today. The following listing provides descriptions for all seminars to be offered between Jan. 31 and Feb. 3, 1994, in Dallas. Use this listing to determine which seminars are most appealing to you. CEUs earned are shown in parentheses. (Note: • denotes Division I seminar.)

MONDAY, Jan. 31 & TUESDAY Feb. 1

- Basic Principles of Turfgrass Mgt. (1.4)
- Environmental Considerations in Golf Course Mgt. (1.4)
- Golf Course Const. Techniques and Mgt. (1.4)
- Introduction to Soil Science (1.4)
Steve J. Thien, Ph.D.
Professor of Soil Science
Kansas State University
- Irrigation Part I: System Component Tech. (1.4)
- Managerial Productivity (1.4)
- Plant Nutrition and Fertilizers (1.4)
- Protection of Water Resources (1.4)
- Public Relations and Public Speaking (1.4)
- Turfgrass Identification and Utilization (1.4)

MONDAY, Jan 31

- Golf Course Safety, Security and Risk Mgt. (.7)
- Turfgrass Stress Mgt. (.7)
- Water Quality (.7)
- Wildlife Mgt. and Habitat Conservation (.7)

TUESDAY, Feb. 1

- Employee Safety Training (.7)
- Irrigation Scheduling Techniques (.7)
- Scouting, Sampling and Monitoring Golf Course Pests (.7)
- Wetlands and Golf Courses (.7)

TUESDAY, Feb. 1 & WEDNESDAY, Feb. 2

- Government Relations (1.4)

WEDNESDAY, Feb. 2 & THURSDAY, Feb. 3

- Asst. Superintendent: Managing People and Jobs (1.4)
- Basic Turfgrass Botany and physiology (1.4)
- Business Communication & Assertiveness Techniques (1.4)
Steve Hazel, Ph.D.
Licensed Psychologist
Responsible Family and Child Clinic
- Construction and Renovation IPM (1.4)
- Disease Identification and Control (1.4)
- Golf Course Design Principles (1.4)
- Golf Course Restoration, Renovation and Construction Projects (1.4)
- Insect Pests on Golf Course Trees and Shrubs (1.4)
- Introduction to Integrated Pest Mgt. (1.4)
- Introduction to Surveying (1.4)
- Irrigation Part II: System Design, Operations and Mgt. (1.4)
- Landscape Design and Plant Materials (1.4)
- Preconstruction and Construction Mgt. (1.4)
- Turfgrass Insects: Basic & Advanced Principles (1.4)
- Weed Control (1.4)

WEDNESDAY, Feb. 2

- Cardiopulmonary Resuscitation (.7)
- Certification Exam Study Guidelines (No CEUs)
- Drainage Systems (.7)
- Effective Business Writing (.7)
- Familiarization with Accounting Procedures (.7)
- Implementing Strategies and Plans for Turfgrass Environmental Systems (.7)
- Irrigation Efficiency (.7)
- Negotiating (.7)
- Underground Storage Tank Selection, Installation (.7)
- USGA Golf Course Rating System (.7)

THURSDAY, Feb. 3

- Calculations and Practical Mathematics for Use in Golf Course Mgt. (.7)
Mike Agnew, Ph.D.
Professor of Horticulture
Iowa State University
- Developing Your Hazard Communication Program (.7)
- Effluent Water (.7)
- Financial Mgt. (.7)
- First Aid (.7)
- Bob Cupp on Golf Course Design (.7)
- Managing Organic Wastes (.7)
- Maximizing Job Satisfaction (.7)
- Maximizing Turfgrass Disease Control (.7)
- Microbiology of Turfgrass Soils (.7)
- Options and Their Application in Pest Mgt. (.7)
- Personnel Functions of the Golf Course Super (.7)
- Practical Tree Mgt. (.7)
- USGA Intermediate Rules of Golf (.7)
- Turfgrass Tour (.5)

INNOVATIVE SUPERINTENDENT SESSIONS

FRIDAY, Feb. 4

- Innovative Superintendent: Part I
Chairperson:
Mark Clark, CGCS
- Facilities for the Future:
Juniors Practice Areas
Alan Fierst
Oak Park Country Club
Elmwood Park, IL
6:30 a.m.
- Building Your Own Pesticide Storage Facility
Rick Tegtmeyer, CGCS
Elmcrest Country Club
Cedar Rapids, IA
6:45 a.m.

- Buying Your Pesticide Storage Facility
Steve Cook
Wakonda Club
Des Moines, IA
7:00 a.m.
- Making Protective Pesticide Clothing Easy
Dale Walters, CGCS
Royal Palm Country Club
Naples, FL
7:15 a.m.
- Video Presentations to Club Officials To Sell Ideas
Mike Mongon
Arcola Country Club
Paramus, NJ
7:30 a.m.
- Communication and Public Relations-Be Creative
Tommy Witt, CGCS
Bent Tree Country Club
Dallas, TX
7:45 a.m.
- Homemade Signage for the Busy Public Course
Richard Perry, CGCS
Foxfire Golf & Tennis Club
Baldwinsville, NY
8:00 a.m.
- Environmental Excellence Certification
John Gurke
Aurora Country Club
Aurora, CO
8:15 a.m.

SATURDAY, Feb. 5

- Innovative Superintendent: Part II
Chairperson:
Patty Knaggs
- Bunker Sand
Bob Maibusch, CGCS
Hinsdale Golf Course
Clarendon Hills, IL
6:30 a.m.
- Bunker Drainage: New Solution to an Old Problem
Richard Luikens
The Woodlands Country Club
Woodlands, TX
6:45 a.m.
- Back Flow Prevention
Steve Scarbrough, CGCS
Bakersfield Country Club
Bakersfield, CA
7 a.m.
- The Leaf Harvest at Lakeview Resort
David Tennant
Lakeview Resort
Morgantown, WV
7:15 a.m.
- Safe Tree Pruning
Gregory A. Hansen, CGCS
Pleasant Valley Country Club
Little Rock, AR
7:30 a.m.
- Flood or Fortune?
Mark Clark, CGCS
Country Club of Green Valley
Green Valley, AZ
7:45 a.m.
- Ice Removal from Greens
Randy Witt, CGCS
Oneida Golf & Riding Club
Green Bay, WI
8 a.m.
- Automated Tee Time Systems: One Man's Experience
Dennis Lyon, CGCS
City of Aurora
Aurora, CO
8:15 a.m.

CONCURRENT EDUCATIONAL SESSIONS

FRIDAY, Feb. 4

Golf Course Mgt. Techniques: Part I

- Chairperson:
John Carlone, CGCS
- A Natural Organic Pre-emergence Herbicide for Annual Weed Control in Turf
Nick Christians, Ph.D.
Iowa State University
9 a.m.
- Herbicide Resistant Weeds
Tim Murphy, Ph.D.
Georgia Agriculture Experiment Station
9:30 a.m.
- Cutworms & Birds: What's Their Behavior on Greens and Tees? Preventive & Reactive Insect Controls
David Shetlar, Ph.D.
Ohio State University
10 a.m.
- Effect of Insecticides on Non-Target Organisms
Pat Vittum, Ph.D.
University of Massachusetts
10:30 a.m.
- How To Make Mole Cricket Control More Cost Effective
Pat Cobb, Ph.D.
Auburn University
11 a.m.
- An Integrated Approach To Controlling Summer Patch
Bruce Clarke, Ph.D.
Rutgers University/Cook College
11:30 a.m.

Golf Course Mgt. Techniques: Part II*

- Chairperson:
Clark Throssell, Ph.D.
- Pesticide Dislodgability
John Cisar, Ph.D.
University of Florida
1:30 p.m.
- Soil Salinity Mgt. of Golf Courses
Ali Horivandi, Ph.D.
University of California, 2 p.m.

- Calibration Studies of P&K for Developing Fertilizer Recommendations
William M. Dest, Ph.D.
University of Connecticut
2:30 p.m.
- Algae on Putting Greens
Jeff Krans, Ph.D.
Mississippi State University
3 p.m.
- Turf Tips from Around the U.S.
Trey Rogers, Ph.D.
Michigan State University
3:30 p.m.
- Rolling Greens
James Beard, Ph.D.
International Sports Turf Institute
4 p.m.

FRIDAY, Feb. 4

Bentgrass: North Session

- Chairperson:
Roger Stewart, CGCS
- PGR's on Fairway and Greens Turf
Bruce Branham, Ph.D.
Michigan State University
9 a.m.
- The Biology & Control of Localized Dry Spots
Karl Danneburger, Ph.D.
The Ohio State University
9:30 a.m.
- Dollar Spot/DML Fungicide Resistance Studies
Randy Kane, Ph.D.
Chicago District Golf Association
10 a.m.
- Greens Rollers
Scott Niven, CGCS
Stanwich Country Club
Greenwich, CT
10:30 a.m.
- Winter Injury
John Roberts, Ph.D.
University of New Hampshire
11 a.m.
- Cultural Mgt. of Brown Patch on Bent Fairways
Paul Vincelli, Ph.D.
University of Kentucky
11:30 a.m.

FRIDAY, Feb. 4

Bentgrass: South Session

- Chairperson:
Mark Esoda, CGCS
- Bentgrass Cultivar Performance as Affected by Fertility & Disease Control Programs
Bob Carrow, Ph.D.
Georgia Agri. Experiment Station
1:30 p.m.
- Rolling, Cutting Height, Soil Compaction Relationships
Joe DiPaola, Ph.D.
North Carolina State University
2 p.m.
- Bermudagrass Control in Bentgrass Greens with Herbicide-PGR Combinations
B.J. Johnson
Georgia Agri. Experiment Station
2:30 p.m.
- Diseases & Stresses Involved in Summer Decline of Bentgrass
Leon T. Lucas, Ph.D.
North Carolina State University
3 p.m.
- Bentgrass Seedling Tolerance to Salinity
Bert McCarty, Ph.D.
University of Florida
3:30 p.m.
- Plant Tissue Analysis To Monitor the Nutrient Status of Creeping Bentgrass Greens
James N. McCrimmon, Ph.D.
New Mexico State University
4 p.m.

FRIDAY, Feb. 4 — Public Golf Session

- Chairperson:
Melody Mitchell, CGCS
- Water Saving Grasses
David Kopec, Ph.D.
University of Arizona
9 a.m.
- Understanding Weather Maps, Turfgrass Water Use & Long Range Technologies
Ellwynn Taylor, Ph.D.
Iowa State University
9:30 a.m.
- Golf Course Master Planning
Craig Schreiner
Golf Course Architect
Kansas City, MO
10 a.m.
- Public Relations and Public Golf
Dennis Lyon, CGCS
City of Aurora, CO
10:30 a.m.
- Resodding of Greens-Back in Play in Two Days
Sandy Queen, CGCS
Overland Park, KS
11 a.m.
- Sand Top Dressing
Paul Rieke, Ph.D.
Michigan State University
11:30 a.m.

FRIDAY, Feb. 4

Developing People Skills Session

- Chairperson:
Pat Cobb, Ph.D.
- Understanding Your Mgt. Style
Bree Hayes, Ph.D.
Athens, GA, 1:30 p.m.

- Eliminating Self Defeating Behaviors
Donald Waterstreet, Ph.D.
Western Illinois University
2 p.m.
- The Importance of Effective Communication
John Piersol
Lake City, FL
3 p.m.
- Staff Training, Responsibility and Self Esteem
Speaker TBD
3:30 p.m.
- How Can I Get Good at IT if I Don't Know What IT Is?
Gerry Sweda
Sweda Training & Development Services
4 p.m.

EDUCATIONAL FORUMS

SATURDAY, Feb. 5 & SUNDAY, Feb. 6

(Each forum listed below begins at 1 p.m.)

SATURDAY, Feb. 5

1:00 - 4:00 p.m.

• Computer

- Chairperson: Claude Ferguson, CGCS
- How To Buy a Computer
Bob Boufford, The Ohio State University
- Self Taught Computers
John Carlone, CGCS, Middle Bay Country Club, Oceanside, NY
- Control Systems
Greg Wojcik, CGCS, Greenwich Country Club, Greenwich, CT
- Using CAD/Computer Aided Facilities Mgt.
Bob Boufford, The Ohio State University
- Use of Photography and Computers To Detect Stress on Turfgrass
Leon Lucas, Ph.D., North Carolina State University
- Predicting, Monitoring for Insect Activity with Computers
Kevin Mathias, Ph.D., University of Maryland

• Golf Course Owners

- Chairperson: TBD
- Public Perception
Frank Rossi, Ph.D., University of Wisconsin
- Behind the Scenes in Developing a New Golf Course and Selecting Its Superintendent
John Strawn, Portland, OR
- Night Golf in Singapore
Dave Fearis, CGCS, Blue Hills CC, Kansas City, MO
- Golf Course Design in Ecologically Sensitive Areas
Craig Schreiner, Golf Course Architect, Kansas City, MO
- Development Security Programs for Golf Courses
James Harris, CGCS, Chickasaw CC, Memphis, TN

• Landscaping

- Chairperson: Scott Dodson, CGCS
- Northern Trees — Speaker TBD
- Southern Trees — Arthur Costonis, Ph.D.
- Trees — Lee Hellman, Entomologist, Univ. of Maryland

• Regulatory Compliance

- Chairperson: Sam Williamson, CGCS
- Putting It All Together — Sarah Bundschuh, Atlanta, GA
- What to Expect from an OSHA Inspection — David Jacobi, OSHA

• Student

- Chairperson: TBD
- The Student Forum is specifically designed to provide educational opportunities for students who are interested in the field of turfgrass Mgt.. Resume writing, interviewing techniques and a wealth of other information will be presented.

SUNDAY, Feb. 6

1:00 - 4:00 p.m.

• Course Officials

- Chairperson: Richard Marcks, CGCS
- Cultural and Environmental Effects on Green Speed
Roch Gaussoin, Ph.D., University of Nebraska
- Golf Digest's Method for Selecting Outstanding Golf Course in Various Categories
Ronald Whitten, Topeka, KS
- Americans with Disabilities Act: Its Impact on Golf Course
Speaker TBD

• Equipment Managers

- Chairperson: Gary Schaepe
- The Equipment Managers Forum will provide golf course superintendents and their staff the opportunity to discuss such things as: effective communication, image and public relations, shop organization, inventory control, preventative maintenance programs, proper reel adjusting, hydraulic systems, and many other solid technical topics.

• History of GCSAA

- Chairperson: TBD
- Six presenters, each with at least 40 years of service as a GCSAA member, will recount the evolution of modern golf course Mgt. techniques and equipment, the superintendent's profession, and GCSAA itself.

• Training Employees

- Chairperson: Tom Hoogheem
- Tony Walker, Executive Director of Interactive Trainers an one of the popular instructors for GCSAA's Executive Development programs, will offer three hours of useful instruction on how to train employees. He has spent the last five years providing training to some of America's most prestigious organizations, including ConAgra, IBM, Chrysler, and AT&T. Walker holds a master's degree in business administration and is considered in the top five percent of trainers by the Meeting Planners Association of America.

Continued on next page

1994 GCSAA Candidates — Thumbnail Sketches

It's
Showtime!

Elections will be held during the Annual Meeting scheduled for 8 a.m., Feb. 7.

VICE PRESIDENT

Name: Gary Grigg
Age: 52
Course: Naples (Fla.) National GC
Former head superintendent at: Shadow Glen GC, Olathe, Kan.; The Lodge of the Four Seasons, Lake of the Ozarks, Mo.; VP of Construction and Maintenance, Kindred Management Co.

Years GCSAA member: 23
GCSAA posts held: Re-elected as director and appointed secretary/treasurer of

GCSAA board of directors in 1993; GCSAA board member from 1989-93; chairman of scholarship and research, tournament, membership, finance, conference and show committees; vice chairman of public relations committee; member of nominating, certification, developmental study advisory, fundraising, conference planning, seminar planning, and building committees.

Other associations: Past president of Southern Arizona and New Mexico GCSAs and Southwest Turfgrass Assoc.; board member of Heart of America GCSA; member of Fla. Conservation, Texas Turfgrass and Southwest Turfgrass Associations; former member of Northern California, Cactus and Pine, South Texas, Western Michigan, Northern Michigan and Ozark GCSAs.

Education: Bachelors degree in agriculture/entomology, Utah State Univ.; masters in agronomy, Michigan State Univ.

Family: Wife, Coleen; children, Jill, 27, Jared, 25, Aaron, 20, Ryan, 13.

Goal: "I want to see us improve member services and communications, strengthen our relationship with the chapters and continue our strong education program, which is one of the best in the country. We need to look inward and keep moving forward in the direction the new board has set."



Gary Grigg

BOARD OF DIRECTORS

Name: Tommy D. Witt
Age: 40
Course: Bent Tree Country Club, Dallas.
Former head superintendent at: Austin (Texas) Country Club; Riverhill Club, Kerrville, Texas.

Years GCSAA member: 15

GCSAA posts held: Member of tournament, certification, bylaws resource, conference, fundraising, resource and scholarship and research committees.

Other associations: President of Central Texas GCSA; immediate past president of Lone Star GCSA; vice president of North Texas GCSA; chapter liaison and voting delegate for North Texas and Lone Star chapters.

Education: B.S. in agronomy with turfgrass management option from Texas A & M University.

Family: Wife, Lorrie; Children, Seth, 6, Lauren, 5, Tanner, 2.

Goal: "There are two things I'd like to do. First, I want to help improve relations between the national association and the state chapters. The board is laying the ground work for that and President [Randy] Nichols has some good ideas. Second, we need to promote the superintendent profession like the PGA has done with golf pros. The golf professional is seen as a prestigious position. The superintendent is as integral a part of the golf course as the pro and should be seen the same way."



Tommy Witt

Name: Paul McGinnis
Age: 42
Course: Union Hills CC, Sun City Ariz.
Former head superintendent at: Palmbrook CC, Sun City; The Wigwam CC, West Course, Litchfield Park, Ariz.;

Years GCSAA member: 16

GCSAA posts held: Board member since 1992; chairman of scholarship and research committee; member of conference and show, tournament, nominating and standards committees.

Other associations: Past president of Cactus & Pine GCSA; member of U.S. Golf Association Green Section Committee.

Education: Bachelor's degree in agricultural economics from Arizona State University.

Family: Wife, Kendra; Children, Marci, 20; Kari, 18; Michelle, 16; Magen, 12.

Goal: "I'm running for re-election so I can continue to be a voice in the organization and help keep it going in the direction it is now headed. We're changing executive directors and I'm looking forward to helping him. We're becoming more membership oriented. There are many educational opportunities we're not fully utilizing, yet. That's where I can help the most."



Paul McGinnis

Name: Charles Passios
Age: 36
Course: Hyannisport (Mass.) Club
Former head superintendent at: Cummaquid GC, Yarmouthport Mass.; Middletown (Mass.) GC.

Years GCSAA member: 15

GCSAA posts held: Board member from 1990-92; co-chairman of certification appeals committee; government liaison to board of directors; chairman of public relations and publications committees; member of teaching resource advisory and government relations committees.

Other associations: Past president of Cape Cod Turf Managers Association; vice president of GCSA of New England; board member of Mass. Green Industry Council; member of U.S. Golf Association Environment & Turfgrass Committee.

Education: Associates degree in agronomy, Essex Agricultural and Technical College, Hawthorne, Mass.

Family: Wife, Fran; children, Daniel, 7; Sara, 4.

Goal: "I want to get back on the board and participate in a leadership role. We need to maintain the vision we had for the future over the next few years. We need to keep membership services at a high level and look beyond ourselves to where we will be in five, 10, 20 years. I hope the board can function in a visionary rather than micromanagement manner."



Charles Passios

PRESIDENT

Name: Joseph Baidy
Age: 53
Course: Acacia CC, Lyndhurst, Ohio.
Former head superintendent at: Fox Chapel GC, Pittsburgh; Oak Hill CC, Rochester, N.Y.; Manor CC, Rockville, Md.

Years GCSAA member: 29

GCSAA posts held: Elected GCSAA vice president in 1993; secretary/treasurer, 1992; chairman of publication/awards, public relations, conference and show, tournament, scholarship and research, finance and planning committees.

Other associations: President of Greater Pittsburgh GCSA; member of Northern Ohio GCSA,

Associated Green Industry of Northern Ohio, Ohio Turfgrass Assoc., American Society of Agronomy, USGA Green Section Committee, Pennsylvania Turfgrass Council, Allied GCSA of Pennsylvania and Donald Ross Society.

Education: Bachelors degree in agronomy, Pennsylvania State Univ.

Family: Wife, Judy; children, Michael, 27, Michelle, 26.

Goal: "The primary goal has to be to service the members while enhancing and promoting the superintendent profession. The key is provide quality service and the way to do that is by constantly refining the educational program. Everything we do is like spokes on a wheel with education at the hub."



Joseph Baidy

GCSAA Schedule

Continued from previous page

• Water Resources

Chairperson: Jim Key, CGCS
• The Politics of Water in California
Vic Gibeault, PH.D., University of California
• The Politics of Water in the Northeast
Ed Horton, CGCS
• The Politics of Water in the Southeast
Kevin Downing, CGCS
• The Politics of Water in the Southwest
Mark Clark, CGCS

SUNDAY, Feb. 6

• **Prayer Breakfast, 7:30 a.m.**
GCSAA member Robert A. Brame, CGCS, will lead the annual Prayer Breakfast. Now an agronomist for the USGA Green Section's Mid-Atlantic Region, Brame has 18 years experience as a golf course superintendent. Brame was licensed and ordained in 1984 to the gospel ministry by Carmel Baptist Church in Carmel, Indiana. The Prayer Breakfast will be held at the Loews Anatole Hotel with coffee and danish served beforehand at 7 a.m. The breakfast is open to all faiths.

• **Environmental General Session, 9 a.m.**
Several high-level government officials directly in-

involved in shaping the country's environmental regulations and policies are expected to participate in the not-to-be-missed Session. Government officials from the highest level of the federal government and its regulatory agencies have been asked to participate in the yearly event, designed to provide an important exchange between golf course superintendents and the officials whose actions and decisions affect their daily lives.

• American Society of Golf Course Architects

• Trends in Golf Course Design, 1 p.m.
• Today's Relationship Between the Golf Course Architect and Superintendent

Jerry Matthews, ASGCA, 1:45 p.m.

• The Alabama Trail: A New Approach to Public Golf
Roger Rulewich, ASGCA, 2:30 p.m.

• Restoration... Is It Always a Good Idea?
Brian Ault, ASGCA, 3:30 p.m.

• Designing for Women... How and Why the Awareness Is Increasing
Alice Dye, ASGCA, 4:15 p.m.

• Zoysiagrass Association Session, 1 p.m.

New Golf Course Construction with Meyer Z-52
Zoysiagrass Panel discussion by:
Frank B. Whitbeck, AZA President
Billy Fuller, Kite Cup Development, Atlanta, GA
Chris Rosio, Superintendent, Covered Bridge Golf Club, Sellersburg, IN
Kevin Morris, USDA, Beltsville, MD

MONDAY, Feb. 7 United States Golf Association Green Section Educational Conference

• Golf Keeps America "Green"
Moderator: James T. Snow
National Director, USGA Green Section
12:30 p.m.

• Welcome and Introduction
12:45 p.m.

• Operational and Economic Impacts of Golf
Rick Norton, VP, National Golf Foundation
1:15 p.m.

• The Best Turf Tips from the Green Section Staff
Patrick O'Brien, Director, Southeastern Region
Paul Vermeulen, Agronomist, Western Region
Jim Connolly, Agronomist, Northeastern Region
John Foy, Director, Florida Region
1:35 p.m.

• A New Attitude: Audubon, Our Golf Course, and the Community
Peter Leuzinger, Superintendent, St. Charles Country Club, St. Charles, Ill. 2:05 p.m.

• More of the Best Turf Tips
Jim Latham, Director, Great Lakes Region
Jim Skorulski, Agronomist, Northeastern Region
Chuck Gast, Agronomist, Florida Region
Bob Brame, Agronomist, Mid-Atlantic Region
2:25 p.m.

• Sand Bunkers: Old and New
Joe Baidy, CGCS, Vice President, GCSAA
2:55 p.m.

• The Best Turf Tips Keep Coming
Jim Moore, Director, Mid-Continent Region
Keith Hupp, Agronomist, Mid-Atlantic Region
Bob Vavrek, Agronomist, Great Lakes Region
Larry Gilhuly, Director, Western Region
3:15 p.m.

• Strategies for Successful Long-Term Maintenance of Golf Courses
Ben Crenshaw, Principal of Coore and Crenshaw

Member, PGA Tour
3:45 p.m.

• Last, but Not Least, of the Best Turf Tips
David Oatis, Director, Northeastern Region
Pat Gross, Agronomist, Western Region
George Manuel, Agronomist, Mid-Continent Region
Stan Zontek, Director, Mid-Atlantic Region
4:05 p.m.

• Team Up with Your Golf Course Owner

The National Golf Course Owners Association (NGCOA) is holding its 1994 annual meeting in Dallas, in conjunction with GCSAA's 65th International Golf Course Conference and Show. The Golf Course Owners meeting is scheduled February 7-10. Register your course owner now. You both will see everything there is to see in the golf course Mgt. industry and have the opportunity to attend the educational offerings scheduled for this event.

It's
Showtime!

Bylaw vote offers little controversy this year

Continued
from page 1

try Club in Rye, N.Y., has heard from chapter delegates in both regions — Timothy O'Neill of the Metropolitan Golf Course Superintendents Association and James Nicol of the Minnesota GCSA.

"Both were really comfortable with the procedure this year," she said. "The board sat back and listened to the delegates. They liked the way they were given information. There wasn't the feeling that this was all being decided behind closed doors."

Incumbent and would-be board members agreed.

"This board made two-way communication a top priority. All the proposals should improve the association," said R. Scott Woodhead of Valley View Golf Club in Bozeman, Mont. Woodhead was appointed to the board a year ago and is up for re-election.

Added Tommy Witt, a first-time candidate from Bent Tree Country Club in Dallas: "Three or four of the proposals that were soundly defeated last year were thrown out. The remaining issues were very well presented."

Members made it clear last January they did not want to get rid of the delegate voting system or change the vote needed to change bylaws from two-thirds to a simple majority. Those issues won't appear on this year's ballot.

"The board was smart enough to read the vote and see that members liked the chapter delegate voting system," said board member Paul McGinnis of Union Hills Country Club in Sun City, Ariz. McGinnis is up for re-election.

"We need to use the delegates more to communicate with members at the chapter level. The chapters are the strength of the association."

Some proposals have been modified from a year ago. For example, the members resoundingly defeated last year's measure that would have given the board authority to set *all* membership dues.

This year's proposed amendment preserves membership's authority to set dues for Classes AA, A, B and C — basically all superintendents and assistant superintendents — while giving the board power for establishing other membership classifications' dues.

"The board listened to the members on that one," said incumbent board member Bruce Williams of Bob O'Link Golf Club in Highland Park, Ill. Williams is running for vice president.

"They said they had no problem with the board setting dues for non-voting delegates. But they wanted to be able to set *their* dues themselves. The board responded."

Knaggs said she was surprised at the uproar the dues issue caused a year ago. Many associations give their boards such au-

thority. And in many cases, the club pays for all or part of a superintendent's GCSAA dues. If it does not, the goal of most superintendents is to work for a club that sees the value of paying its superintendents dues, she added.

"That vote, and a few others last year, was more symbolic than substance," she said. "There was a perception that we [members] were being run instead of doing the running. The vote showed that."

Several amendments that appear virtually unchanged from a year ago involve the creation of new membership classifications

for golf course maintenance and management personnel, educators and extension officers, as well as separate classifications for club officials and golf association staff members. Many of these people are already classified as Affiliate or Associate members and make up about half of GCSAA's 13,000 total members.

The main goal of reclassification is not to attract new members, although that may be a side effect, said Secretary/Treasurer Gary Grigg, who is also running for vice president. The idea is to better identify the make-up of the membership so that services can

be developed that meet their needs and appropriate dues be assessed.

"For example, someone who recently graduated from Lake City (Fla.) Community College and got a golf course job as a spray technician should be able to join at a reduced rather than the full dues rate," Grigg said.

"And we should know what he does so we can provide appropriate services. The amendments would allow us to do that."

Only superintendents and assistant superintendents would have voting privileges, Grigg as-

Continued on next page

'Someone who recently graduated from Lake City Community College and got a golf course job as a spray technician should be able to join at a reduced rather than the full dues rate. And we should know what he does so we can provide appropriate services. The amendments would allow us to do that.'

— Gary Grigg



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YOUR 3 CHOICES

Ballot question summary: Dues authority to membership

It's
Showtime!

Voting on the proposed GCSAA bylaw amendments will take place at the organization's annual meeting Feb. 7 at the International Golf Course Conference and Show in Dallas.

Each issue will appear on a separate ballot, allowing voters to make their wishes known on individual issues, without unrelated riders.

Sample ballots with exact text for each proposal were mailed in December to all voting members as part of the official Notice of Annual Meeting.

Following is a brief summary of the 15 proposed amendments:

DUES AUTHORITY

- Preserving the membership's authority to set dues for Classes AA, A, B and C, but through regular ballot procedures instead of the current voice vote. The board would set dues for other classifications.

MEMBERSHIP CLASSIFICATIONS

- Maintaining the current requirement for a two-thirds majority vote to alter qualifications and levels of privilege for membership classes AA, A, B, and C, while authorizing the board of directors to develop rules regarding qualifications and privileges for

other classes.

- Simplifying Class B and C qualifications by making all superintendents with less than three years' experience Class B members, and all assistant superintendents Class C (regardless of experience).
- Adding six new membership categories for other golf course maintenance and management personnel currently assigned to Affiliate or Associate classifications. The board would establish rules for privileges.
- Establishing a separate membership classification for club officials and golf association staff

members currently classified as Affiliate or Associate members. The board would establish rules for privileges.

- Creating a new membership class for educators and extension officers currently included in the Affiliate or Associate classifications; allowing the board to lower dues for Retired members; making Honorary membership permanent; and requiring the board to set rules regarding Affiliate member privileges.

ACCOUNTABILITY

- Requiring a two-thirds majority of the board to approve any

mortgage or loan that incurs financial obligations for future boards.

- Requiring an official post-election report of voting records by chapter name, total of individual votes and total of proxy votes. The report must be printed in a GCSAA membership publication. Because of current balloting requirements, this amendment would not take effect until the 1995 annual meeting.
- Making submission of false information on any membership application or dues statement an offense punishable by discipline or expulsion. Eliminating the reinstatement provision requiring payment of all past-due amounts.

OTHER ISSUES

- Updating the organization's mission to reflect the importance of environmental awareness in golf course management.
- Changing the secretary/treasurer position from a presidential appointment to an elected office.
- Clarifying the secretary/treasurer's official duties.
- Naming the president, vice president and secretary/treasurer as trustees of the Benevolence Fund.
- Retitling the association's chief executive employee *CEO* instead of *executive director*.

Bylaw voting

Continued from previous page

sured. Superintendent members expressed concern last year that allowing too many non-superintendents into the association could eventually dilute the superintendents' authority.

Accountability is a major issue this year. The board has sponsored an amendment requiring a two-thirds rather than simple majority of a current board to approve any mortgage that would incur a financial obligation for future boards.

The vote for a new wing on the headquarters building in Lawrence, which split the board down the middle a few years ago, was the major catalyst behind the board seeking this amendment Grigg said. Although the wing may be needed someday, it is largely unoccupied today. The two-thirds requirement would also be consistent with the two-thirds vote of members needed on major issues, he added.

Two other important amendments are on the ballot.

One would make delegates more accountable to their chapter members by requiring a printed post-election report of voting records by chapter name, total individual votes and total proxy votes.

The other would make the secretary/treasurer an elected rather than presidentially appointed position. The secretary/treasurer has traditionally been the stepping stone to the presidency two years later.



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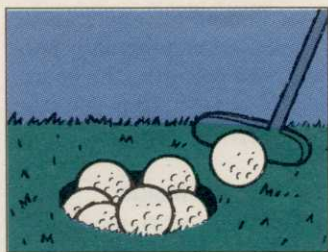
It's
Showtime!

To do in Dallas

Continued from page 15

only a short driving distance from downtown. Last, but certainly not least, golfing options abound. Several of the state's premier daily-fee courses are located in the Metroplex. Top public-access courses include Firewheel in Garland, Bear Creek Golf and Racquet Club at Dallas-Fort Worth Airport, Fossil Creek in Fort Worth, Chase Oaks in Plano and Buffalo Creek in Rockwall. In order to get tee times at private clubs, of course, contact the resident golf course superintendent.

If attendees have any questions regarding entertainment options, do not hesitate to use the information centers at your hotel because, without a doubt, there's plenty to keep you busy in Dallas.



Baidy ready to assume GCSAA presidency

By PETER BLAIS

Providing quality membership services will be the cornerstone of the Joseph Baidy Administration, promised the incoming president of the Golf Course Superintendents Association of America.

"The primary goal has to be to service the members while enhancing and promoting the profession," said the 53-year-old head superintendent at Acacia Country Club in Lyndhurst, Ohio.

"The key is provide quality service and the way to do that is by constantly refining the educational program. Everything we do

is like spokes on a wheel with education at the hub."

Outgoing President Randy Nichols rode herd on one of the more tumultuous years in GCSAA history. The past 12 months have seen the resignations of the organization's top three administrators and immediate past president as well as a shifting focus away from the international arena and back on membership programs.

"Randy has done a great job," said Baidy of his predecessor. "No president I can remember has been under the pressure he has. We'll try to continue moving for-

"The primary goal has to be to service the members while enhancing and promoting the profession."

— Joseph Baidy

ward on the same plane."

Fellow board member Bruce Williams is confident Baidy can keep the 13,000-member organization on course.

"Joe will do an outstanding job," assured the head superintendent at Bob O'Link Golf Club in Highland Park, Ill. "He'll help strengthen our relationships with the allied associations."

"Joe is people-oriented and always looking for ways to meet the needs of our members. He is as concerned about the smaller chapters as the larger ones. He wants to make sure we provide quality services for all members at affordable prices."

Baidy had nothing but praise for former senior managers John Schilling, Robert Ochs and Diana Green.

"John [Schilling] made a major career decision [to start his own business]. He did well for us. He took us to a new plateau and I wish him well."

As for the new senior management staff, led by Chief Executive Officer Steve Mona, Baidy said: "I'm very excited about the new ideas and concepts they'll bring to the organization. I'm positive they'll take us to a new plateau."

Baidy watched and learned from last year's bylaws vote when members overwhelmingly defeated several major proposals endorsed by the board. He was one of the main organizers behind September's chapter delegate meeting in Lawrence, Kan., where this year's proposed bylaw amendments were discussed in the hopes of better communicating the reasons behind the proposed changes to members.

"We wanted to revisit some of the proposals the members felt had some merit. Those that were big-time losers [i.e. removing delegate voting and giving the board authority to set dues for voting members] won't be back."

"We had a chance to hear back from the delegates and use their ideas during the September meeting. One of the ideas was to present many of the proposals as separate issues rather than lumping several together in a single question. That's why we have something like 15 separate issues to vote on this year as opposed to eight or nine a year ago."

Baidy was so pleased with last September's delegate gathering that he plans a similar meeting at the same time this fall.

"We probably won't have one every year, just when major issues come up," he said.

Baidy also intends to hold a full-scale planning committee meeting to map the organization's future during his first weeks in office.

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SG-181

Executive director

Continued from page 1

sumes the presidency from Nichols this year] and I plan to walk around the floor and meet every exhibitor — or as many as is humanly possible in one day."

Mona said he has stressed the relationship angle because he understands GCSAA has had trouble in this area. "Besides," he said, "it's my nature."

Along with a different attitude, the 36-year-old Mona brings a different sort of background to the executive director's position.

He was a journalism major in college, graduating *cum laude* from San Jose State University in California. In 1980, he began a two-year stint as tournament director for the Northern California Golf Association, then spent one year as assistant manager of press relations for the United States Golf Association.

He became executive director of the Georgia State Golf Association (GSGA) in 1983 and served in that position until accepting the GCSAA post in late November 1993.

His professional affiliation includes a term as president of the International Association of Golf Administrators

More GCSAA appointments, page 35

(IAGA), plus a seat on the IAGA board. Mona has also been a director of the National Golf Foundation (NGF).

Mona acknowledged that much of his experience lies on the "playing" side of golf. But his background does include relationships in the turfgrass industry, as well. He is a director of the Georgia Turfgrass Association and a member of its Foundation Trust.

He is a member of the advisory committee for Abraham Baldwin Agricultural College's Turfgrass Management Program. And under his direction, the GSGA has run turfgrass scholarship programs at Baldwin and the University of Georgia.

"I'm not professing to be as connected [to the turfgrass industry] as I might be," he said.

"But I've had a lot of interaction with superintendents and manufacturers. I think I have a good feel for it.

"And I'm not afraid to walk up to people and ask them what they think — then act accordingly."

...

Mona spoke to *Golf Course News* in early December, just a day after meeting with all the GCSAA department heads at association headquarters in Lawrence, Kan. Yet he was ready to discuss his plan of action.

The new executive director has a three-step plan:

- Step 1: Put the GCSAA house in order. "I've thought about this a fair amount," Mona explained, "and I think it's important to start from within. We have to see what's happening inside the house; how things work; how in touch we are. "With all that information, we can make adjustments as necessary. I want to make sure all 75 staff members [in Lawrence] are focused on the association members."

- Step 2: Focus the association's resources on its members. According to Mona, he can't pin down particulars at this early stage.

But he did say an "important" meeting will be held in April when he, the board and department directors will "decide a strategic direction." Certification.

GOLF COURSE NEWS

Mona appointment deemed "Peachy"

Steve Mona, the new executive director of the Golf Course Superintendents Association of America, may not be familiar to superintendents across the country. *Golf Course News* went back to Mona's old stomping ground, the state of Georgia, for a few testimonials. Mona served as executive director of the Georgia State Golf Association for 10 years. Representatives of the allied golf associations were also asked to comment on GCSAA's new administrative leader.

• **KAREN WHITE, executive director of the Georgia Golf Course Superintendents Association:**

"They could not have picked a better person. He's ideal for that job. Their [GCSAA's] biggest goal, it seems to me, is public relations building with the various entities in golf — USGA, PGA, the allied associations — and the members themselves. Steve is a real people person and extremely talented... He knows the [superintendent's] business. He's been of tremendous support to the Georgia superintendents organization. It's true, he's from a different background. But he understands this end of the business, which is pretty unusual."

• **RANDY WALDRON, superintendent at the Golf Club of Georgia, Alpharetta, Ga.:**

"I think it's a great choice. Everything you hear about Steve is he's very organized and very familiar with the golf industry. Everytime I've dealt with him, he seemed to be very informed regarding the superintendent's responsibilities."

• **MARK HOBAN, superintendent at The Standard Club in Duluth, Ga., immediate past president of GGCSA, president of Georgia Turf Foundation Trust and board member of the Georgia Turfgrass Association:**

"I've worked with him on three different boards: Georgia Turf Foundation Trust, Georgia Turfgrass Association, and the Georgia State Golf Association. As far as I'm concerned, there's no better choice... It's a loss for Georgia, but a gain for the national organization. He's just an outstanding person, and I can't believe we're so fortunate to have him... His involvement [in the turf business] isn't just fundraising for two turf boards. He's worked with and managed turf people. He's had close ties with the Georgia superintendents. He's a world beater. Truly, I'm excited to see what he can do over the

next few years."

• **ED KANEMASU, research leader for the Crops and Soils Department, University of Georgia:**

"Steve and I have worked together quite a bit because we have a strong turfgrass program. We were more than delighted, extremely pleased that he was selected for that position. We knew we wouldn't be able to keep him here in Georgia for long — he's extremely talented. But we're delighted he went somewhere where we can keep in contact with him... He's played a leadership role in dealing with the turfgrass associations. He's a very good communicator. I think they made a good choice."

• **RICK NORTON, vice president of National Golf Foundation:**

"I think it's a terrific selection. We've always had nothing but the highest regard for Steve here at the National Golf Foundation. And we're looking forward to working closely with him."

• **PALMER MAPLES, superintendent of Summit Chase Country Club, Snellville, Ga.:**

"I think it was a good choice for several reasons: Our association with him here in Georgia has been the organization of state tournaments. The order by which information from him came to me made me feel very comfortable working with him. Very organized, very inquisitive. I'm sure he'll ask a lot of questions and listen to your answers. Delegates his time very well. Good overall feel for the administration area in the game of golf. He knows a lot of golf people, and that's got to be a plus for GCSAA. Happy for him, happy for the organization. And I'm sure Randy Nichols is happy."

• **PAT O'BRIEN, Southeastern Regional director, USGA Green Section:**

"I have known Steve since 1979, when I first joined the USGA staff. I can tell you this: Steve has always been concerned at the Georgia State Golf Association championships that he had good greens, and good agronomic conditions. He kept abreast of all the latest turfgrass technology, frequently attended USGA regional meetings and Georgia Turfgrass conferences. He was also a frequent speaker at these conferences. I also remember seeing him at the Georgia Golf Course Superintendent Association meetings. A true friend of the superintendent. Always very interested in the problems they face."

Employment.

Field Service...

These three issues will all be addressed, said Mona, who noted that ballot results from Dallas will weigh heavily on decisions made come April.

"The first priority has to be the current membership," he said. "Once we've done that, then we can talk about other issues."

- Step 3: Other issues, namely membership expansion and international operations.

Mona acknowledged that both subjects have been contentious and divisive for the association, as evidenced by the bylaw defeat in Anaheim last year and the closing down of GCSAA's Singapore office.

He said it is far too early to commit himself on either issue — but he did admit an interest in the Asia-Pacific arena. "I'd hate to see the international venture go up in smoke," he said.

The expansion of GCSAA membership categories, defeated in 1993, is back on the ballot in 1994. "If some of those bylaw changes are approved [in Dallas], there could be some real potential for growth," said Mona.

...

Before their August lunch in Atlanta, Mona said he didn't know the GCSAA job was open. Further, Mona said he wasn't aware of any internal problems at GCSAA headquarters. By now, he's well aware of the divisions in Lawrence — and he's prepared to address them.

"There's no question there are some issues inside the building that need to be addressed: Morale, personnel, direction, etc. I'm not naive.

"But at the same time, I think there are good people and situations that can be fixed. During my time in Lawrence, the dedication and skill of the staff was confirmed in capital letters.

"The larger point, despite what has happened here, is the image of GCSAA has been very good.

"The organization has done a great job — I mean, the reputation of the members has risen dramatically over the years. And I want that to continue."

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CIRCLE #145

It's
Showtime!

Spodnik, MacCurrach honored by GCSAA

By MARK
LESLIE

LAWRENCE, Kan. — Superintendent John Spodnik, who has "inspired many people throughout his career," and PGA Tour agronomist Allan MacCurrach, cited for "exceptional contributions to the superintendent's profession," will be presented the GCSAA's 1994 Distinguished Service Awards at the international golf show.

The award "means being recognized by your peers as a contributor to the advancement of the profession in general and to the turfgrass industry," said Spodnik from Westfield Country Club in Westfield Center, Ohio, where he has served for 34 years.

"I'm overwhelmed," MacCurrach said. "Superintendents have made my job easy over the years. People like us, who are able to travel, are exposed to different things [agronomically]. Oftentimes, I'm just passing on information I've picked up the week before."

Spodnik, who retires in September, was the 1969 president of the GCSAA and has been secretary-treasurer of the North Ohio

Golf Course Superintendents Association for 34 years. He has been director of the Midwest Regional Turf Foundation at Purdue University for several years, holding the office of president in 1975. Serving in his third year as treasurer of the Musser International Turf Foundation, he was a director during the formative years of the Ohio Turfgrass Foundation, which honored him with a life membership in December.

MacCurrach is senior agronomist for the PGA Tour, making advance visits to sites for Tour, Senior Tour and Nike Tour events. He also assists Tournament Players Club superintendents in de-

veloping their agronomy programs. Before joining the PGA Tour in 1974, he was superintendent at Valley Country Club in Warwick, R.I., and Chevy Chase (Md.) Country Club. He left the Tour to consult Golden Bear, Inc. from 1984-88.

GCSAA President Randy Nichols said the two men "have made exceptional contributions to the advancement of the golf course superintendent's profession."

Their careers, he said, "embody the highest traditions of this award."

Spodnik, Nichols said, "has inspired many people throughout his career."

Spodnik feels his main contribu-

tion has been "setting the right example" of professionalism and, through chapter involvement, helping agronomy students with scholarships and training programs.

"If your profession is going to grow and be recognized, you have to have professional people presenting that image to the public," he said. "Some very talented young people are joining the industry."

"I can remember the average age in our Northern Ohio chapter was 54. It's down near 32. That's remarkable, and it means we're attracting new people. People now look at education when hiring, whereas before it was the School of Hard Knocks."



John Spodnik



Allan MacCurrach

MacCurrach said: "The most positive thing I've seen over years is the fact that superintendents now are part of the game of golf. Twenty-five or 30 years ago, they really weren't in the forefront, or known by the pro golfers, or ever mentioned on TV. Now, not only for me, but for the rules people as well, our first contact at a course is the superintendent. He's the key man the week prior and all during tournament week."

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GCSAA Tourney

Continued from page 15

usually try to bite off more than they can chew," Pinick said.

Another Texan who could do well is board of director candidate Tommy Witt of Bent Tree Country Club in Dallas.

"Tommy used to work in the Austin area and knows the courses," Smith said. "He's a very good player. He can't hit the ball out of his own shadow. But he sure can putt."

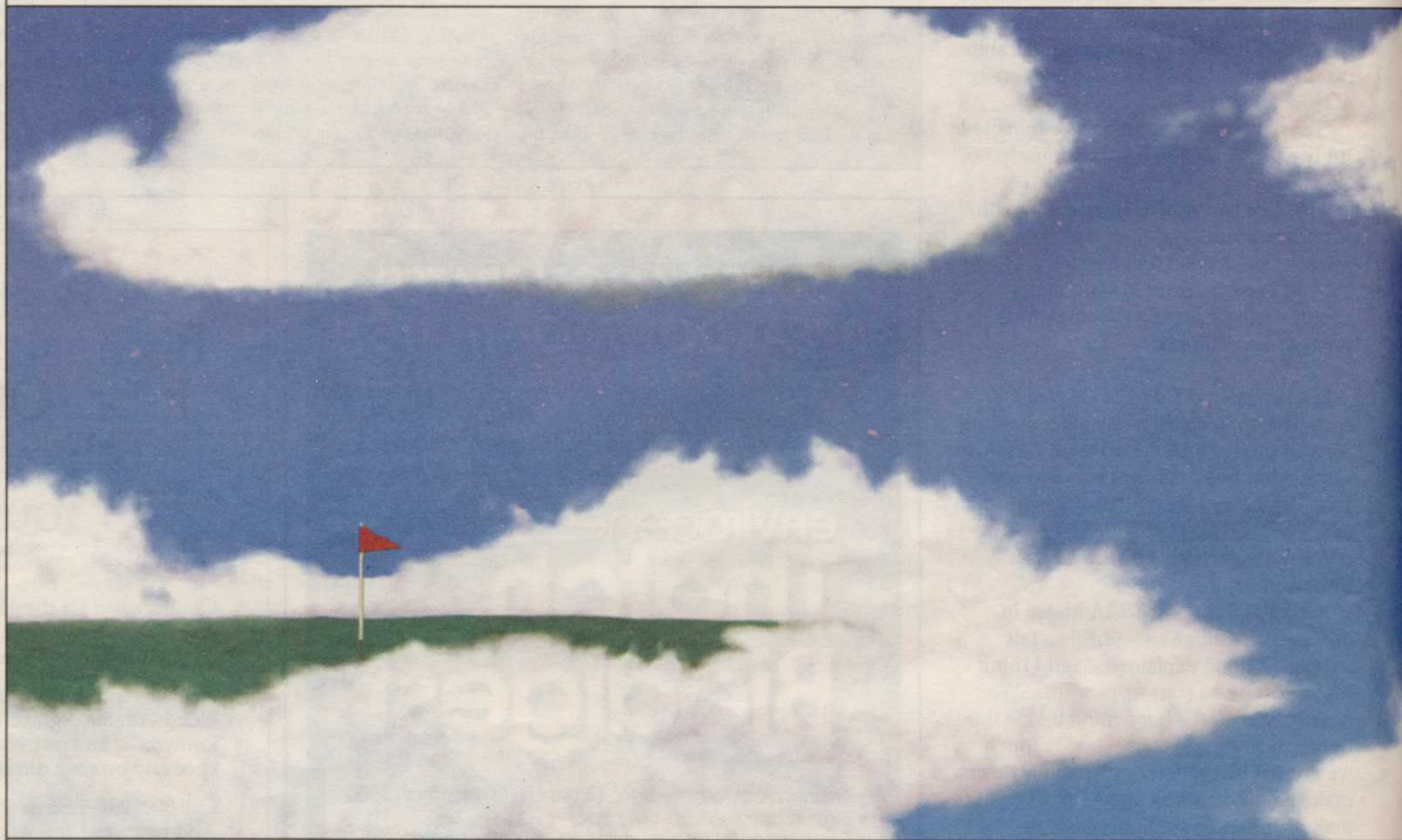
Several people in the know also mentioned GCSAA President Randy Nichols as a likely contender. Nichols and playing partner Dave Powell of Myers Park Country Club in Charlotte, N.C., were among the final-round leaders in last year's tourney in San Diego. On Steele Canyon Golf Club's third hole they had the misfortune of inadvertently putting one another's balls. Both were disqualified.

"You can't talk about who might win the tournament without mentioning Dave Powell. He's won it several times [1985, '88, '89]," said defending champ Richard Stuntz of Alvarado Country Club in Lawrence, Kan.

Stuntz won his first title last year after several near misses. Stuntz plans to play in the Jan. 29 two-player, Best Ball Mixer with neighbor Roger Null (champion in 1983, '90 and '91) of Boone Valley Club near St. Louis.

"Roger's playing real well. He tied for fourth in this summer's U.S. Golf Association Mid-Amateur Championship qualifying round," Stuntz said.

If Powell or Null wins a fourth title, they would move into second in tournament victories. Emil Masciocchi won six championships (1940-41, 1946, 1948-50).



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Alice Dye to receive GCBAA's Rossi Humanitarian Award

DALLAS, Texas — Alice O'Neal Dye, the first female member of the American Society of Golf Course Architects, will receive the Golf Course Builders Association of America's (GCBAA) Donald A. Rossi Humanitarian Award here Saturday, Feb. 5.

Highlighting the GCBAA's annual awards dinner, Dye will be honored for her lifetime contributions to the game.

The wife of golf course architect Pete Dye, she has championed the cause of multiple tees on golf courses, especially forward tees and placement of hazards, keeping in mind less-strong

and less-experienced golfers. Working with Pete, she has been instrumental in designing more than 40 courses.

She has served on the U.S. Golf Association's Handicap and Women's committees, the Women's Western board, and the LPGA Advisory Council.

She won seven Indiana Women's Amateur titles, three Florida State Women's Amateur championships, five Women's Western Senior crowns and two USGA Women's Senior Amateur championships. In 1970, at age



Alice Dye

42, she was named to the Curtis Cup team. Five successive years she was Florida Senior Woman Golfer of the Year.

She is the mother of golf course architects P.B. and Perry Dye.

The award is given in memory of the late Don Rossi, who served as executive director of the National Golf Foundation and GCBAA. Mr. Rossi was given the first award posthumously in 1991. Robert Trent Jones Sr. was presented the award in 1992 and Joe Jemsek in 1993.

...

Meanwhile, a new board of directors, elected in a mail vote in early January, will convene and elect a new slate of officers on Sunday, Feb. 6.

Executive Vice President Phil Arnold said 18 associate members are running for nine seats, while 14 builder members are seeking 11 spots on the board.

The races are "exciting," said GCBAA President Jerry Pierman of Pierman Golf Co. in North Palm Beach, Fla. "This is a builders' organization and we need their leadership and involvement in order for it to be the force it should be in the industry."

"This high level of interest in

board seats shows that we are on the right track," Arnold said. "We are working on some critical projects and people want to give their input."

The GCBAA meeting will begin with an evening reception Friday, Feb. 4. The general member-

Continued on page 76

Feser Award goes to Christy

LAWRENCE, Kan. — An article on "Redesigning Equipment Washdown Pads" has won superintendent Thomas A. Christy the 1994 Leo Feser Editorial Award.

The GCSAA will present the award on Thursday, Feb. 3, to Christy, a certified golf course superintendent at Riverside Golf & Country Club in Portland, Ore.

The Feser Award is given annually to the author of the best article written by a GCSAA member and published in *Golf Course Management (GCM)*. A pioneer superintendent and member of the GCSAA, Feser is credited with keeping GCM alive during the Great Depression.

In his article, which appeared last April, Christy described an innovative system he devised to contain and recycle wash water. It was inspired by regulations put into effect by the federal Clean Water Act and by local water-use restrictions enacted because of the West's drought.

NGCOA meets in Dallas, Feb. 7-10

DALLAS, Texas — The National Golf Course Owners Association will hold its annual meeting for the first time following the GCSAA's 65th International Golf Course Conference and Show here. Meeting Feb. 7-10, the NGCOA has suggested that its members arrive a few days early to attend the GCSAA show with their superintendents.

After an evening reception Monday, Feb. 7, three days of talks will follow, highlighted by the NGCOA awards dinner and dance at 7:30 p.m. Feb. 9.

Dr. James Melton will deliver the keynote address at 8:30 a.m. Tuesday, Feb. 8. In the afternoon Mark Barrett, former chief operating officer of the PGA Tour, will talk on golf retail.

Wednesday's conference will be highlighted by Brinker International Vice President Doug Bates, speaking on food and beverage.

A noon-time golf outing at TPC at Las Colinas will close the event Thursday, Feb. 10.

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BRIEFS



CLEMSON REPORT DUE

The initial findings of Clemson University's ecosystem study of the Ocean Course at Kiawah Island are due out in January. First undertaken in 1990, the 3-year study is analyzing the relationship between golf course maintenance practices and the environment at the Pete Dye-designed layout, site of the 1992 Ryder Cup. Dr. Ron Kendall, director of Clemson's Institute of Wildlife and Environmental Toxicology, is overseeing the project.



CHEMICAL BOOKS RELEASED

Thomson Publications of Fresno, Calif. has published two new books of interest to turf managers: "The User's Reference Guide to Pesticides" and "The Spanish-English, English-Spanish Illustrated Agricultural Dictionary." "The User's Guide" lists by generic name all products registered in the United States, followed by the different formulations with their tank-mix, adjuvant and compatibility recommendations. It is priced at \$27.95. The paper-bound dictionary is designed to assist turf managers dealing with the influx of Hispanic crew members. It retails for \$27.95. For more information, call Thomson at 209-435-2163.

CLAYTON NAMED EDUCATION MANAGER

LAWRENCE, Kan. — Rebecca Powell Clayton has been promoted to education manager for conference and certification by the Golf Course Superintendents Association of America. Clayton had been GCSAA's education coordinator for special projects since 1990. Prior to joining GCSAA, Clayton had held several positions at Hall-Kimbrell Environmental Services, Inc., in Lawrence. She holds a bachelor's degree in environmental studies from the University of Kansas, and serves on the Recycling and Resource Conservation Advisory Board for the city of Lawrence.



MINNESOTA WATER TALKS SLATED

The Minnesota Pollution Control Agency and the Legislative Water Commission, in cooperation with the Environmental Quality Board, are co-sponsoring meetings to discuss the state's ground-water protection efforts. They will be held Jan. 5 in Rochester in Riverland Technical College's Room C-105; Jan. 6 in Marshall in the Department of Transportation (DOT) building's Conference Room; Jan. 19 in Duluth in the DOT Conference Room; and Jan. 20 in Detroit Lakes at City Hall's City-County Chamber.

By MARK LESLIE

Politics. Age. Agronomic decisions made by committee. Lack of communication and management skills. These are all job-killers, especially for golf course superintendents — some of whom daily face the fear of being fired.

"I had no chance to defend myself. They had a secret meeting and voted to dump me," said Bruce Rickert, who was fired last fall after six years at a Philadelphia course, and several months of struggling to keep dying greens alive.

"When I got fired, at 51, at least five others in New Jersey were fired that spring, and for the same reasons: age and greens committee chairmen," said Jim Gilligan, now superintendent at Richmond County Country Club on Staten Island.

For Ted Horton, vice president of resource management for Pebble Beach



Tragedy or blessing, losing a job can have many causes, effects

Co., when he was fired as general manager of the prestigious Westchester Country Club in New York a couple of years ago, it was at a time when, politically, "change had to be done for the sake of change. It didn't matter who was there."

In most cases, however, problems reportedly are exacerbated by lack of communications between the superinten-

dent and his boss or club membership.

Superintendents live in perilous times, Horton said. "I think that's true with any profession. The technical aspects of our profession are generally pretty solid and it's the 'people' aspects that generally trap us... A superintendent has to remember that 90 percent of his job is communication — both upward and downward.

"Oftentimes, a superintendent is not equipped to handle that. He's attracted to be a superintendent to be out-of-doors. As a result, his interpersonal skills are not that well-honed and that's what gets him into trouble."

Then there is the case of the "Marlboro man mentality," as Gilligan called it.

"Superintendents are tough to deal with in a lot of cases. Salesmen can tell you stories about guys who are unapproachable. So, if they're unapproachable to ven-

Continued on page 30

Shining the light on grow-in secrets

By TERRY BUCHEN

Many "secrets" for a successful grow-in, implementing newly planted turf, are just the opposite of routine maintenance where fertilization, pesticide usage, topdressing applications, and mowing heights are concerned. A few cases in point:

1. Use high rates of phosphorus for excellent root and top growth and keep the potassium levels also high for sustained disease prevention. Utilize a safe, homogeneous fertilizer granular product that you are personally familiar with.
2. Use "THE SANDWICH" method whereby the turf on putting greens is

Continued on page 32



Prairie Isle Golf Club after fine shaping but before grow-in.

President Sweda promises OTF return to basic intent

By MARK LESLIE

COLUMBUS, Ohio — Saying that many members have lost sight of the purpose of the Ohio Turfgrass Foundation (OTF), new President Don Sweda intends to re-establish the organization's original purpose.

"All the members are involved with turf, whether it is lawn care, golf courses, cemeteries or sports fields," said Sweda, a certified golf course superintendent from Columbia Hills Country Club in Columbia

Ohio Turf stories, pages 27-29

Station. "OTF exists to join all the associations to help and support Ohio State, and we want to regain the university's support and understanding. We have many new, exciting projects."

A former president of the Northern Ohio Golf Course Superintendents Association who has served six years on the OTF board,

Sweda said that too often superintendents and lawn-care people don't attend OTF functions, thinking the foundation is not in their bailiwick. He hopes his administration can begin a drive that will bulge membership rolls from 1,300 to 2,000



Don Sweda

Continued on page 29



AIRING IT OUT WITH SUPER FOCUS' AL BROMANN

Al Bromann is the owner, superintendent and pilot for Pinewood Country Club, where he tries to keep both feet on the ground agronomically while taking to the air for his customers. See how he keeps all his jobs in focus on page 34.

Glover retires at NMS

LAS CRUCES, N.M. — Charles Glover, agronomist with New Mexico State University's Cooperative Extension Service, has retired after 15 years of service.

Glover joined Extension in 1978 after working eight years as a plant breeder for Taylor-Evans Seed Co. in Tulia, Texas.

Since 1990, he has been administrative officer for the New Mexico Crop Improvement Association.

Glover's Extension educational program covered soil fertility, alfalfa, irrigated pastures, cotton and other crops important to New Mexico. He also helped solved problems channeled through county agents' offices.

He is now working full-time for the New Mexico Crop Improvement Association and the 1517 Cotton Association, primarily with seed certification and foundation seed programs. He holds bachelor's and master's degrees from NMSU.

On The Green

Chainsaw unlikely companion

Super solves problem of sand contamination

By MICHAEL R. SMITH

KING OF PRUSSIA, Penn. — While rebuilding bunkers at Gulph Mills Golf Club, we had to devise a method to prevent contamination of the sand by stones in the subsoil. A chainsaw became the key to our success.

Although I had seen a number of bunker liner installations that had gone bad for one reason or other, I still thought the geotextile liner would be the best method to prevent contamination of the sand. The major problem encountered with liners is hooking them with the mechanical rake and pulling them to the surface. Once that happens, putting them back in place is virtually impossible.

In order to avoid this problem we devised a method of "tucking" the liners

Michael R. Smith, CGCS, is golf course superintendent at Gulph Mills Golf Club in King of Prussia, Pa.

into the bunker bank so no corners or seams were exposed.

Our first step in the process is to vertically face the edge of the bunker to a depth of 12 to 24 inches, depending on the slope of the land and how the bunker is set. The bottom of the bunker is thoroughly cleaned and compacted.

Next, we lay the geotextile over the bunker and cut to size, leaving an 18- to 24-inch excess around the entire perimeter of the bunker. Any seams are double folded and the sod is stapled to the bunker floor. We put a small amount of sand in the bunker to keep the cover from shifting.

To begin the "tucking" process, we fold the cover into the center of the bunker, away from the edges. Next, we cut a groove into the vertical face of the bunker edge, approximately 6 to 10 inches from the top of the bunker. The groove should be about 6 inches deep.

We found the best method for cutting this

groove is with a chainsaw—a chainsaw we never plan to cut wood with again! An old bar and chain works well since we're only cutting into sandy soil. If the saw has an adjustable oiler, set it for maximum flow.

We then tuck the cover into the groove using a sod knife, and then secure it with sod staples. Cut "V"s in the cover to accommodate turning corners. Trim excess geotextile as close to the groove as possible.

At the base of the vertical cut, we pack a 6-inch "fillet" of bunker sand to hold the cover during filling and spreading the sand. We then complete filling the bunker to the sod line.

To date, we have only used this method on problem bunkers, where stone removal was a constant chore. We have experienced only one geotextile pull-up in the five years many of these bunkers have been in place. The key to keeping the cover buried is to be sure to have a minimum of 6 inches of sand covering every bit of it.

Dr. Vargas revises turfgrass textbook

By PETER BLAIS

The second edition of *Management of Turfgrass Diseases*, written by turf expert Dr. Joseph Vargas, is now available.

The Michigan State University professor and international lecturer has revised and updated the popular text, which first appeared a dozen years ago.



Dr. Joseph Vargas

Cultural, genetic, biological and chemical approaches to turf management as well as practical solutions to everyday problems are covered.

Vargas said the updated sections dealing with patch, bacterial and black layer diseases are among the most valuable.

"The biggest changes have come in our understanding of fungicide resistance," Vargas said. "Dollar spot has been the major problem for many years. Other diseases are troublesome, but they are less likely to become resistant to fungicides."

"We used to talk about preventing dollar spot. We realize now we have to think instead about control [rather than prevention] and how to delay it from becoming resistant to a certain fungicide."

The first edition sold approximately 10,000 copies, Vargas said. Lewis Publishers believe the second will reach 30,000, he added.

The second edition features up-to-date information on all major turfgrasses; 72 full-color photographs and more than 100 figures to match grasses with diseases; the latest information on warm- and cool-season grasses, new diseases and integrated disease management techniques; and examples from Europe, Canada, South Africa, New Zealand, Australia and Japan.

The book costs \$59.95 and may be ordered by calling 800-272-7737.

New programs added

Cook College announces turf and short course schedule

NEW BRUNSWICK, N.J. — The Cook College Office of Continuing Professional Education at Rutgers University here, has announced the publication of its 1993-1994 Landscape Management and Design, Turfgrass Management, and Commercial Horticulture Short Course Catalog. This series of over 30 non-credit, open-enrollment short courses is designed for professionals in the landscape, turf, and agricultural industries.

Several new programs have been added to the series, including courses in pest management and business management.

Integrated Pest Management is the topic of an intensive, six-day program designed to teach participants how to reduce pesticide use while maintaining the quality of the landscape.

Small Business Survival Skill for the Landscape Contractor is a new, two-day program designed to provide the necessary business and financial management skills contractors need to be successful.

Many other programs have been revised and expanded to include new topics and field trips to meet the requests of participants.

The catalog also includes a new section on Cook College's Comprehensive Educational and Career Training Programs, including the five-month Careers in the Green Industry program, and an eight-week Environmental Studies and Career Opportunities program, which provide technical skills and job training to New Jersey's youth-at-risk.

To request a free copy please call 908-932-9271 or write to the Office of Continuing Professional Education, Cook College, P.O. Box 321, New Brunswick, N.J. 08903-0231.



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Beat suits by being proactive, Hurdzan urges supers

By MARK LESLIE

COLUMBUS, Ohio — The word "accident" no longer exists in this litigious society, so the slogan on U.S. golf courses is Superintendent Beware!, according to Dr. Michael Hurdzan.

Hurdzan, a course architect headquartered here, cited soaring insurance costs and court settlements as reasons superintendents have to take special care to make their facilities accident-safe.

"As golf course architects, we've never had a claim against our insurance," Hurdzan said, and yet Hurdzan Design Group's premium for \$2 million in insurance has sailed from \$750 two years ago to \$14,000 today.

Increases like this are driven by such incidences as the Florida case in which a jury awarded a man \$3.2 million for loss of an eye when hit by an errant golf ball.

The person suing will go after the people or institutions with the most money, Hurdzan said.

From an individual's point of view, "You are responsible once the golf ball leaves your club," he said. "You may have a homeowner's policy that will pay \$50,000 or \$100,000. But what of the costs beyond that?"

He added that unless a superintendent is an independent contractor, they are "an agent of the club and the club has the responsibility to back you. In the same way, if you send an employee out on a club vehicle, he is the club's agent," Hurdzan said.

The superintendent and other club officials should take nothing for granted — even the idea that people should act with common sense — although common sense is also a best defense in court, Hurdzan said.

In the past, contributory negligence — that is, a person contributed to his own injury — was a defense. Now, Hurdzan said, juries decide cases on the basis of comparative negligence. If a course is 10 percent to blame, it is penalized accordingly.



'Every designer and every person who decides where something is going had better be prepared to answer why they put it there.'

— Dr. Michael Hurdzan

Hurdzan said superintendents should study their courses with an eye for safety in every area imaginable, and be prepared to defend themselves and their actions.

"Every designer and every person who decides where something is going had better be prepared to answer why they put it there," he said. "The fact that it used to be OK doesn't cut it in court. It doesn't even matter that a golf course was there first, before a [neighboring] house."

Hurdzan singled out golf cars as "the best and worst thing that ever happened to golf."

On one hand, they allow people to play in all kinds of weather; people to play who otherwise could not; and are a source of revenue.

But poorly constructed cart paths have led to numerous accidents — and court actions. And serious injuries, including at least one death, have occurred when the back-up buzzer on a cart did not work and a golfer was run over.

"Keep in mind, they are golf cars and roadways, and there are standards," Hurdzan said. "A good golf cart path has signs like Steep Slope and Dangerous When Wet. Treat bridge approaches like you would a regular bridge, with wing walls to keep them on course."

He pointed out a number of areas in which superintendents and designers can reduce accidents on their golf courses:

- Watch for trees needing trimming. "Responsibility falls on the superintendent. Are you trained to work on trees? Get someone who is to do it. But you can't ignore it."
- Print warnings on the scorecard regarding fairways that are side-by-side or

other such things for which to watch.

- Signs. Signs. Signs. "Signs work, and some day you may have to convince a reasonable 10 people on a jury that you've been prudent, or that a prudent person would pay attention to signs."

- If you have a fence around the property to keep trespassers out, "you have an obligation to maintain it."

- Groove or acetate a golf path so that it is not slick.

- Install a handrail on stairways of three or more steps.

- Landscape to force people away from potentially dangerous areas.

- Do not make steps from railroad ties because they are uneven and wear unevenly.

- Put padding on tee markers, handrails, signs and posts so that errant golf balls don't fly off them and strike people.

- Fix sink holes.

- Ensure that rain shelters are equipped with lightning rods.

- Buy a storm-warning device, which can be purchased for \$400.

- Use bilingual signs if people of another language play the course. And "do not assume people can read. You have to have a graphic symbol as well."

- Along steep banks, install fencing, break down the banks, grow the grass higher, and/or install caution signs.

- Put a main disconnect near the pump house.

- Inform local emergency and fire personnel how to get to the buildings on your course in case of emergency.

To combat the unforeseen, Hurdzan suggested that superintendents perform a risk assessment of their courses to recognize problem areas; train employees

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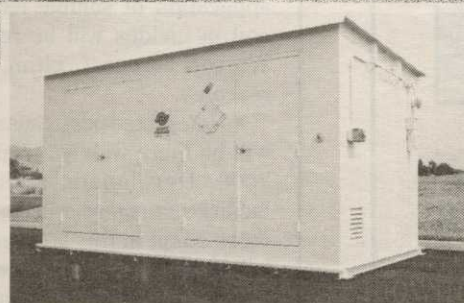
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Major strides expected in turf industry by year 2000

By MARK LESLIE

COLUMBUS, Ohio — Green industry researchers are on the verge of major advances in biocontrol agents, bioengineered grasses and compost, while "many of the same concerns we have today will still be with us in the year 2000," according to Dr. James Watson.

Speaking at the Ohio Turfgrass Conference and Show here Dec. 7, Watson said: "Many of the good things that are going to happen ...

will not happen until after the Year 2000. I think we will have some solutions to some of our concerns, and I anticipate we will have new products that will mitigate some of the more serious concerns of today."

Composts and other organic-based materials — what Watson calls biocontrol agents — will be key players in the future fight against turfgrass diseases, especially in an era when chemical use is seen declining.

"For example," he said, "antagonistic organisms have been isolated from compost and field areas that attack or at least mitigate the virulence of pathogens that cause dollar spot, brown patch and other organisms. Organisms have also



Dr. James Watson

been found that are antagonistic to root diseases."

Besides biocontrol agents, he also cited beneficial nematodes, parasitic wasps, and bacteria that attack insects as showing "considerable promise."

The problem of creating an environment that will ensure adequate supplies of these biocontrols and favorable organisms has not been solved. "But it certainly will be," Watson predicted.

'I think we will have some solutions to some of our concerns, and I anticipate we will have new products that will mitigate some of the more serious concerns of today.'

— Dr. James Watson

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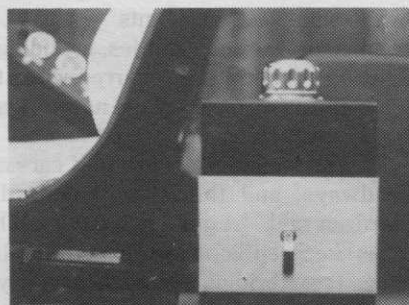


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BIOENGINEERING A FOCAL POINT

Grasses that contain fungi, endophytes, enzymes and other entities that repel insects also will minimize the use of pesticides, he said.

"Expect to see bioengineered grasses — probably well beyond 2000 but they are certainly much closer today than they were even a year ago. This is very rapidly developing technology," Watson said.

With this technology, genes containing favorable characteristics of one type of grass could be infused into another type and transmitted onto successive generations.

"That may sound far-fetched, but by the year 2000 or 2025, don't be surprised to see that type of plant available," he added. "We are talking about genes that will impart immunity to diseases, resistance to insects, drought tolerance, cold hardiness and many other favorable characteristics."

Rutgers University researchers are already working on gene mapping of turfgrass — a vital, but slow, tedious and costly process which has been completed on rice, corn and tomatoes.

NON-POTABLE WATER

Watson said the green industry must also meet the challenge of using effluent and storm water to a much greater extent.

"Imagine how well-off we would be for the next several years if we could have conserved some of the waters that fell on the Midwest [in 1993]," he said.

The amount and frequency of application of soluble fertilizers and pesticides will be reduced, Watson forecast, citing three reasons:

- "Integrated pest management will be more widely accepted by 2000. Developers, architects, facility managers will be much more adept in this area and they will be able to persuade owners a few pesticides are acceptable."

- "Already, plant breeders are developing grasses that do not require the high-water and high-fertility regimes that were the case a few years ago."

- "Natural or organic-based fertilizers will be more widely used."

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Watson: Green industry failures evoke need to change

COLUMBUS, Ohio—Dr. James Watson, president of the International Turfgrass Society and former vice president of The Toro Co., admonished colleagues in the green industry in his talk at the Ohio Turfgrass Conference and Show for not informing the public about the benefits and shortcomings of turfgrass.

"Be assured, the green industry will be severely taxed and challenged the remainder of this century and beyond," Watson said. "Researchers, professionals,

practitioners, extension personnel, consultants and all others who purvey information will be challenged in the political, ethical, environmental, safety and standards arenas.

"Why? Because of something I think is wrong with our industry. Too often we fail in construction techniques. Too often we don't get the right kinds of seedbed materials.

"We use wrong grasses. Perhaps our management procedures and techniques are not always the best. But are these the areas that are

wrong, or is it simply the manner in which we use or are told to use various factors?

"I happen to think it may be our publicity campaigns are not the best."

He added: "Why, for example, are the experts in the green industry not recognized, not perceived as authorities and often overridden in decisions that can make or break turfgrass consulting?

"Why are the knowledgeable experts not called before problems arise on new or renovated sports

fields? Why, when the turfgrass industry has new and improved grasses, procedures for specifying soil texture and techniques in construction and establishment, are managers still blamed when grass is lost?"

With new maintenance equipment, supplies and materials, and more knowledge about cultural practices, grass should not die, Watson said.

"One major factor may be the economics — not the economics associated with turf management

but with facility management. Most managers and investors have to generate a return on their investment. But whether or not excuses are valid, "they adversely reflect on the green industry, often because the industry has not done a good job of explaining that there are limitations to turfgrass areas. We talk only to ourselves, not to the public," he said.

Changes by 2000

Continued from previous page

Among Watson's predictions for the industry are:

- Increased use of native grasses like buffalograss.
- Superior salt grasses that will tolerate 7,000 to 8,000 parts per million of salt. "That will permit us to use brackish water supplies. These grasses have substantial promise, especially in the West and Southwest."
- A proliferation of organic-based fertilizers.
- New laws, "ostensibly to protect the environment. And you must be aware of them and take steps to make certain you are not prohibited from using water that might even be on your golf courses."

"Some of these regulations may be detrimental. Methyl bromide is being considered to be taken off the market. Yet 90 percent of methyl bromide that goes into the atmosphere comes from the ocean. Man's contribution is minute, like a grain of sand on the beach. Yet, they may take it away from those who need it."

Urging the industry to be active and outspoken, Watson said: "Green industry facilities are an integral part of our present and future lifestyle and needs. We must not let this future be decided by political entities, environmental extremists, or anyone not familiar with the green industry. They must not dictate our future."

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Sweda takes office

Continued from page 25

by the year 2000.

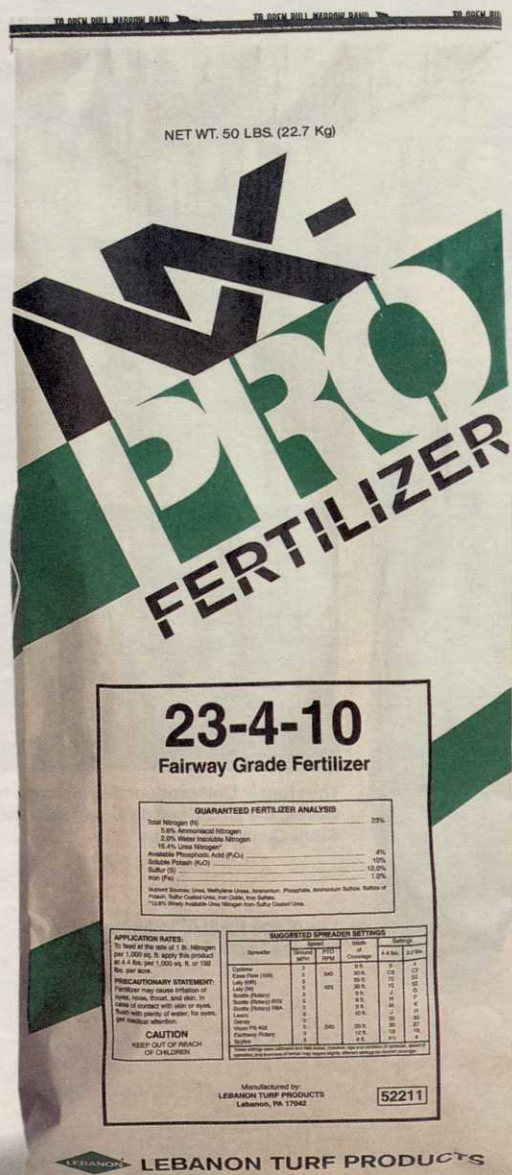
Citing the many professors retiring from other universities, he said, "Ohio State has a golden opportunity to become the leader in turfgrass research."

"Research is our key number-one priority," he said. "We're funding the new biotechnology center [at OSU]. They're going to genetically alter a plant and try to develop a drought-tolerant plant... Maybe in the near future we'll have our Buckeye grass.

Sweda, who left Beechmont Country Club in Cleveland to join Columbia Hills CC last spring, said he views his service as president as returning "what somebody gave me 26 years ago. Somebody gave me a wealth of knowledge and got me started. I want to give it back."

GOLF COURSE NEWS

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—Mike Wooten, CGCS
Cedar Ridge Country Club
Broken Arrow, Oklahoma

A choice of nitrogen source and the spreadability of a homogeneous fertilizer, no question.

—Don Sweda, CGCS
Columbia Hills Country Club
Columbia Station, Ohio

I would definitely buy a fertilizer that gives me the even nutrient distribution of a homogeneous and my choice of nitrogen.

—David A. Mayer
Crystal Springs Golf Club
Bowling Green Golf Club
Hamburg, New Jersey

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Fired!

Continued from page 25

dors, how are they to regular members? This all goes back to my theory of being an isolationist and trying to be the Marlboro man.

"This frontiersman attitude is prevalent. If you did a psychological profile of the superintendent, you'd find something along those lines. Even among their peers sometimes it's very difficult for them to ask for help."

BOSSES, BOSSES

Another major problem at private facilities is greens chairmen —

specifically in their turnover and personalities.

"It's amazing: After three years a superintendent becomes incompetent?" said Rickert, whose personality clashes with a greens chairman led to his dismissal.

"In 22 years I had 12 greens chairmen," said Gilligan. "In a corporation you wouldn't have that many bosses. But in clubs, [in most cases] you do. When it's a revolving door, people just don't have the time to understand what's going on... Also, trying to deal with them one-to-one is difficult because you're not dealing as equals. It has a lot of social implications, and it's not done in a

businesslike manner. You hear supers time and again say, 'This guy owns his own business. But if he ran it like he runs this club his business would fail.'"

RESPONSIBILITY TOO YOUNG

Gilligan and Horton agree that most people become superintendents at too young an age.

"We don't have enough experience in dealing with crews and staff, especially... When we become superintendents, all of a sudden we have a half dozen to two dozen employees, and our training [to handle this job] is not adequate," Gilligan said.

"In turf schools, personnel training is almost negligible. You have to learn on your own. Half your budget is your labor and we're not good labor management people, generally."

"It's a matter of learning to listen carefully and communicating your problems with others," Horton said. "Quite often, you're a superintendent by [age] 23, 24 or 25. There's no ladder. There's only one or two steps. You start as a crew member, or assistant superintendent and you're there very quickly."

AGRONOMY BY COMMITTEE

Pressure to maintain green —

and fast — putting surfaces regardless of the circumstances brings fear to the hearts of many of his colleagues, according to Rickert.

"If the greens were fast, they weren't fast enough — ever," for his members, Rickert said. "That pressure is tremendous."

He added that the members' mandate to keep the turf green had caused him to use "too much pesticide and too much fertilizer."

Working on an old course with small, severely sloped, push-up greens, Rickert met his match in 1993. His greens committee ordered that he not aerate the course. He said that magnified existing agronomic problems. Shortly after, Rickert found himself without a job.

"Superintendents are being forced to do what they know is not sound agronomics," he said. "They do it and then they're dumped. You can't say, 'No' because they'll find someone else."

The answer, said Terry Buchen, superintendent at Double Eagle Club in Galena, Ohio, is to leave.

"The superintendent reports to the greens committee, but the committee must rely on the superintendent to tell it what needs to be done. If it doesn't, my advice is, 'Walk.'"

"If somebody tells me a way to grow grass that I don't think is correct, I'll go to work for somebody else. I think a lot of guys feel that way."

Buchen suggested that superintendents put all such incidences "in writing, in a report."

POOR CONSTRUCTION A CULPRIT

Poor construction of courses reportedly has also led to firings of superintendents, according to Dee Greninger of Whitmoor Country Club in St. Charles, Mo.

Horton agreed. "I can think of one case recently. A good superintendent was sitting on solid clay greens. A hot and humid year came along and he lost his job — not for his inability to communicate but because of his supervisor's inability to listen and understand."

AN 'AGE'-OLD PROBLEM

Gilligan, who had been at his old club 22 years when he was fired, claimed management often looks at the bottom line of its expenses when deciding to fire a superintendent.

"In my case, they hired a superintendent half my age," he said. "I don't know what they paid him. But that happens in all cases where a super is fired. They hire a younger person and you assume they're paying him less. Those things are hard to prove."

BRIGHT SIDE

Horton, who landed on his feet at Pebble Beach Co. and has received two recent promotions, is optimistic for his comrades who lose their jobs.

"Often I look and see a person is probably going to end up with a better job. They may go through a couple of years of trauma. But they will be better off in the end."

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The Hunter G-600 is the new high performance head for mid-range golf course irrigation. From the heavy-duty gear drive to the impact-resistant body, the G-600 is ready to go to work on tees, greens, roughs and multi-row fairway installations.

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- Five nozzle sets. Adjustable from 13 to 32 GPM, 53' to 78' radius
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GOLF COURSE NEWS

Learn from your mistakes

Fired superintendents should resolve to first set their own house in order, admonish colleagues who have lost their jobs.

"I've been trying to correct the things I was doing in my 'previous life,'" said Jim Gilligan of Richmond County Country Club in Staten Island, N.Y.

Gilligan, who several years ago was fired after 22 years at his former course, said: "My current job is stronger because I've learned from those experiences. That's true when you're able to make the change. Some people can't do it. I've talked to a lot of superintendents who have been fired and did not evaluate themselves."

Books on career changes and outplacement don't address self-evaluation, Gilligan said. "They point you toward the future, stress your accomplishments, and put the negatives and failures aside. But they're [failures] still there."

Spot personal weaknesses, accept your portion of the blame for losing your job, and work to improve, Gilligan recommended.

Although he has a degree in club management as well as in agricultural biology and turfgrass management, Ted Horton said most superintendents have very little personnel training and few management skills.

Horton, vice president of resource management at Pebble Beach Co. in Monterey, Calif., said some schools are working to rectify that by adding personnel courses into their two- and four-year curricula.

"Jim McLoughlin [of McLoughlin Group in Pleasantville, N.Y.] 15 years ago started a club management course at Manhattanville College. All the superintendents in the area rushed to take it. But all the club managers avoided it. And because they did not participate in the program, it fell on its face. I think it

was a very well-intentioned program that should have gotten support of the whole industry," Horton said.

Gilligan said many superintendents feel isolated and that "it's you against the rest of the world. You become protective."

Because of his years at his former course, Gilligan was addressing the course as partly his. But, he said, "I was told it was not. It was the members' course. I was very protective of it. Too much so."

"Now I'm taking more of a business-like perspective of my job. I'm using some business plan models in dealing with personnel and jobs at the course, dealing with members, trying to act more as a middle manager in a corporation."

...

While Gilligan, Bruce Rickert of Philadelphia and others said the Golf Course Superintendents Association of America (GCSAA) gave no help in finding jobs, the association has taken steps to improve its employment services.

A recent Arthur Anderson study of the GCSAA recommended adding a human resources person to the staff.

"Whether it comes to be is very much up in the air," said Scott Smith, GCSAA director of public relations.

But the GCSAA does operate an employment referral service, which Smith said works both ways — providing information on job openings to members and names of available superintendents to facilities.

The association now has a new Employment Resources Kit, free to GCSAA members, which includes six booklets written especially for the course management profession.

Those booklets are Career Development; Resume Workbook; Get the Word Out; Coping with Unemployment; Your Rights as an Employee; A Legal Rights Checklist and Glossary; and Sample Job Descriptions for Golf Course Maintenance Personnel.

Checklist: How to find a new position

By TERRY BUCHEN

1. First impressions will make or break you!
2. Have a good thorough resume, usually done in a format that best works for you. Have references on a separate sheet of paper with addresses and telephone numbers for office and home. Use business, academic and personal/character references. Consider making an executive portfolio for yourself.
3. Do your homework on researching the prospective club, to the smallest detail.
4. Have questions and notes written down, i.e. questions for club officials, notes of observations made while touring the golf course, and fringe benefits expected.
5. Dress professionally, like the members would dress in their respective businesses.
6. Do not act nervous, but do not be over confident. Be yourself professionally.
7. Do not be afraid to show enthusiasm that you really want the position!!
8. How is your attitude?

- a. Are you set in your ways?
- b. Are you only happy when you get what you want?
- c. Are you stubborn and hard to work with?

- d. How is your public relations effort?
- No matter how good a turf manager you are, your attitude and how you get along with

people will ultimately prevail!

9. You must show that you can master many areas of responsibility, i.e. Agronomy, Accounting, Personnel Management, Business Law, Golf Course Architecture, Engineering, Construction/Renovation Experience, Horticulture, Floriculture, Environmental, Pesticide/Safety Training Public Relations/Speeches, etc.
10. State the items that you LIKED about the club — be complimentary about the good things that have been done in the past. Do not be too negative about items that you think need to be corrected, as you might embarrass club officials who are interviewing you and were also responsible for the problem.
11. Stay in touch with your references before, during and after. Make sure you have their permission and it's helpful if they know what position you are applying for.
12. Attend a GCSAA Negotiating Seminar.
13. Send thank you letters/cards to all people concerned, i.e. club officials, contacts, new acquaintances, etc.
14. If you do not get the position, ask them why. Then as them if they could refer any positions at other clubs that they might hear of. You'll be surprised how many referrals you can get if the initial club was impressed by your interview and credentials.
15. Keep smiling!

Questions club officials will ask

1. What are your three strongest points professionally/three weakest points?
2. Why do you want to come and be employed at our club?
3. Why should we hire you over the other finalists?
4. What is your philosophy about maintaining a golf course, i.e. tournament conditions all season long, best in town, etc...
5. Do you play golf or, if not, do you completely understand how to obtain our maintenance objective?
6. Are you a Certified Golf Course Superintendent (CGCS) or about to be one?
7. Tell us your opinion of our course and what recommendations you would make for its improvement? (try not to be too negative)
8. What do you do to stay on top of the ever-changing field of Turfgrass Management?
9. If you are from out of state, could you adapt to our climate and conditions? Where would you seek the local knowledge necessary to be competitive?
10. We have read your resume but, in your own words, tell us what your accomplishments have been at each tenure?
11. How effective are you as a people manager? What is your philosophy and how have and will you be effective?

12. Because of our large equipment inventory, what is your equipment maintenance philosophy and how is your working relationship with a mechanic?
13. How is your working relationship with the assistant superintendent? Do you hire turfgrass university students for employment?
14. Can you get along with other department heads and work together for everyone's benefit? Are you set in your ways about anything that would hinder the golf course maintenance operations?
15. Are you a state-licensed pesticide applicator (where applicable) and/or have you attended a GCSAA Pesticide Seminar?
16. What are your professional goals. If hired, how long would you like to be employed here? And would you use our club as a springboard for future success?
17. What is your normal work schedule on any given day? For example, check the course before employee assignments are made, telephone call to suppliers/green chairman, paper work, etc. . .
18. Tell us about your family life and your long-term personal goals?
19. How would you benefit the community, if hired?

Questions to ask club officials

1. What is your club's maintenance objective, i.e. What type of course do you really want? Speed of greens, height of fairways, etc.?
2. What kind of golf course superintendent do you want, i.e. what did you like/dislike about the previous superintendent?
3. Responsibilities? For example, all grounds except buildings, tennis courts, golf cars, bowling greens, etc.?
4. Chain of command? Who does the superintendent report to and work for — preferably only one club official? Does the superintendent report to a green chairman, general manager, or both?
5. Tenure of commitment?
6. Tenure of green chairman? Is he/she a member of board? Very important!
7. Golf course maintenance operating budget? Fiscal/calendar year?
8. Capital budget? New equipment, special projects, etc.?
9. Long Range Planning Committee? Their specific goals and does the superintendent attend meetings on a regular basis?
10. Green Committee — Does the superintendent attend all meetings? Who is on the committee?
11. Golf Committee — Does the superintendent attend? Is it combined with green committee?
12. Board of Directors — Does the superintendent attend any/all meetings? Does the board go into executive session and dismiss all of the staff members? Is the general manager the club's assistant secretary taking the Board's minutes?
13. Ladies Golf Committee — Does superintendent attend all meetings?
14. Tree Planting Committee — How does it function and who administers?
15. Golf pro/club manager relations?

16. Rounds of golf?
17. Course closed part/all day on Monday, Tuesdays after Monday holiday?
18. Hours of operation/employee hours — Is there enough lead time for routine maintenance before play?
19. How many maintenance staff members, full and part time? What percentage of maintenance budget is for labor costs?
20. Maintenance equipment — Regular replacement schedule/depreciation reflected in maintenance budget figures?
21. Maintenance building — Short- and long-term goals?
22. Irrigation system — History and goals?
23. Drainage — History and goals?
24. Golf course architect — On retainer/long-range goals/master plan?
25. Closing of golf course — Superintendent have total control during bad weather, etc.?
26. Golf cars — Superintendent have complete control of their use, i.e. bad weather?
27. Consultants — Who are they and who chooses them?
28. Play golf regularly/with club officials?
29. Tournaments at club? Local/state/regional/national? Amateur/pros?
30. Newsletter — Write monthly column to communicate with membership?
31. Vandalism — Is there a problem or history?
32. How many members? Playing/social/junior executive?
33. Initiation fee/dues structure/assessments past and present?
34. Equity/private/owned/development owned — Will members own later?
35. What has the club's policy been on spikeless golf shoes?
36. Is winter golf allowed on regulation greens (northern courses)?

Notes taken while touring property

1. Things that you like about the club — be complimentary about the GOOD things that have been done in the past!
2. List the things that you feel need improvement. List even the smallest detail to show your powers of observation!
3. List the equipment you would need to do

the job properly! (List of equipment that is on hand that should be replaced with more modern, state-of-the-art implements!)

4. List long-term goals that you would recommend if hired!
5. Any other pertinent items worth mentioning!

Secrets to grow-in success

Continued from page 25

topdressed each week to bring the grass level "UP" and the mowers are subsequently lowered each week to bring the turf level "DOWN".

3. Let the turf "leafout" to the two to three-leaf stage before initiating the very first mowing. If the new turf is mowed too short on the first cut, the new grass will be severely set back.

4. Preventive pythium fungicide applications must be applied with a granular, systemic fungicide product.

The accompanying charts represent a good program for growing-in new bentgrass turf for greens, tees, and fairways and for a bluegrass/ryegrass/fescue rough utilizing Scotts Pro-Turf Fertilizer. The pesticide chart recommends Subdue Granular Pythium Preventive Fungicide for the lush, succulent turf. For further information on grow-in philosophies, please read the September/October 1993 issue of the USGA Green Section Record magazine.

BENTGRASS GREENS GROW-IN CHART

Week	Fertilizer Ratio Scotts Pro-Turf	Actual N	Actual P	Actual K	Topdressing	Mowing Height
Initial Seeding	19-26-5 Fine Particle	5.4	7.4	1.4	—	—
Initial Seeding	15-0-30 High K Greens*** Fine Particle	1.0	-	2.0	—	—
3rd Week	19-26-5 Fine Particle	1.0	1.4	.26	1/4 Inch	3.8 Inch
4th Week	19-26-5 Fine Particle	1.0	1.4	.26	1.8 Inch	3/16 Inch
5th Week	19-26-5 Fine Particle	1.0	1.4	.26	1/8 Inch	11/64 Inch
6th Week	19-26-5 Fine Particle	1.0	1.4	.26	1/16 Inch	5/32 Inch
7th Week	19-26-5 Fine Particle	1.0	1.4	.26	1/16 Inch	9/64 Inch
8th Week	19-26-5 Fine Particle	1.0	1.4	.26	1/16 Inch	1/8 Inch
9th Week	—	-	-	-	1/16 Inch	1/8 Inch
10th Week	19-26-5 Fine Particle	.34	.47	.08	1/16 Inch	1/8 Inch

***PLEASE NOTE: On the bag label, it clearly states: Not recommended for use when starting new turf areas. I have found that it is safe to use this product, prior to turning on the sprinklers for the first time. After that, I would NOT recommend using this product until the turf is well established.

BENTGRASS TEES GROW-IN CHART

WEEK	Fertilizer Ratio Scotts Pro-Turf	Actual N	Actual P	Actual K	Topdressing	Mowing Height
Initial Seeding	19-26-5 Fine Particle	5.4	7.4	1.4	—	—
Initial Seeding	15-0-30 High Greens* Fine Particle	1.0	-	2.0	—	—
3rd Week	19-26-5 Fine Particle	1.0	1.4	.26	1/4 Inch	3/8 Inch
4th Week	19-26-5 Fine Particle	1.0	1.4	.26	1/8 Inch	11/32 Inch
5th Week	19-26-5 Fine Particle	1.0	1.4	.26	1/16 Inch	11/32 Inch
6th Week	19-26-5 Fine Particle	1.0	1.4	.26	1/16 Inch	5/16 Inch
7th Week	19-26-5 Fine Particle	1.0	1.4	.26	1/16 Inch	5/16 Inch
8th Week	19-26-5 Pine Particle	1.0	1.4	.26	1/16 Inch	9/32 Inch
9th Week	19-26-5 Pine Particle	1.0	1.4	.26	1/16 Inch	9/32 Inch
10th Week	19-26-5 Pine Particle	1.0	1.4	.26	1/16 Inch	1/4 Inch

*PLEASE NOTE: On the bag label, it clearly states: Not recommended for use when starting new turf areas. I have found that it is safe to use this product prior to turning on the sprinklers for the first time. After that, I would NOT recommend using this product until the turf is well established.

BLUEGRASS/PERENNIAL RYEGRASS/FINE FESCUE BLENDED ROUGH GROW-IN CHART

Week	Fertilizer Ratio Scotts Pro-Turf	Actual=	N	P	K	Mowing Height
Initial Seeding	19-26-5 Fine Particle	5.4	7.4	1.4	—	—
Initial Seeding	15-0-30 Large Particle	1.0	-	2.0	—	—
3rd Week	19-26-5 Fine Particle	1.0	1.4	.26	—	—
4th Week	15-0-30 Large Particle	1.0	-	2.0	2-1/2 Inches	
5th Week	19-26-5 Fine Particle	1.0	1.4	.26	2-1/2 Inches	
6th Week	15-0-30 Large Particle	1.0	-	2.0	2-1/4 Inches	
7th Week	19-26-5 Fine Particle	1.0	1.4	.26	2-1/4 Inches	
8th Week	15-0-30 Large Particle	1.0	-	2.0	2 Inches	
9th Week	19-26-5 Fine Particle	1.0	1.4	.26	2 Inches	
10th Week	15-0-30 Large Particle	1.0	-	.26	2 Inches	
11th Week	[Add short rough 6-8 feet wide at 7/8-1 inch, by lowering the mower gradually to the desired mowing height.]					

BENTGRASS FAIRWAYS GROW-IN INFORMATION

Week	Fertilizer Ratio Scotts Pro-Turf	Actual=	N	P	K	Mowing Height
Initial Seeding	19-26-5 Fine Particle	5.4	7.4	1.4	—	—
Initial Seeding	15-0-30 Large Particle	1.0	-	2.0	—	—
3rd Week	19-26-5 Fine Particle	1.07	1.47	.26	7/8 Inch	
4th Week	15-0-30 Large Particle	1.0	-	2.0	7/8 Inch	
5th Week	19-26-5 Fine Particle	1.0	1.47	.26	3/4 Inch	
6th Week	15-0-30 Large Particle	1.0	-	2.0	3/4 Inch	
7th Week	19-26-5 Fine Particle	1.0	1.47	.26	5/8 Inch	
8th Week	15-0-30 Large Particle	1.0	-	2.0	5/8 Inch	
9th Week	19-26-5 Fine Particle	1.0	1.47	.26	1/2 Inch	
10th Week	15-0-30 Large Particle	1.0	-	2.0	1/2 Inch	
11th Week	19-26-5 Fine Particle	1.0	1.4	.26	7/16 Inch	
12th Week	15-0-30 Large Particle	1.0	-	2.0	3/8 Inch	

GROW-IN PESTICIDE APPLICATIONS FOR BENTGRASS GREENS, TEES, AND FAIRWAYS

Week	Pesticide	Application Rate	Comments
Initial Seeding	Subdue Granular Fungicide	25 Ounces/M ²	Apply prior to initial watering
2-3 weeks later	Subdue Granular Fungicide	25 Ounces/M ²	Cut back on watering to fill soil and apply with walk behind rotary spreader.
4-5 weeks later	Broad spectrum systemic and/or contact fungicide spray Pythium preventive fungicide spray tank mixed with above	Per label directions per label direction	Do not use Subdue for more than 2 applications/season, even on new turf.
6-7 weeks	*****	*****	Alternate all broad spectrum and pythium fungicides for each and every application.
8-9 weeks later	*****	*****	
10-11 weeks later	*****	*****	
12-13 weeks later	*****	*****	

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| <input type="checkbox"/> k. Assistant Superintendent | <input type="checkbox"/> e. General Manager | <input type="checkbox"/> i. Research Professional |
| <input type="checkbox"/> b. Green Chairman/Dir. Grounds | <input type="checkbox"/> f. Owner/CEO | <input type="checkbox"/> j. Others allied to field |
| <input type="checkbox"/> c. Director of Golf/Head Pro | <input type="checkbox"/> g. Builder/Developer | |

2. My primary business is:

- ☐ 1. Public Golf Course
☐ 2. Private/Semi-Private Course
☐ 3. Municipal/County/State/Military Course
☐ 4. Hotel/Resort Course
☐ 10. Other Golf Course: _____

- ☐ 5. Golf Course Architect
☐ 6. Golf Course Developer
☐ 7. Golf Course Builder
☐ 9. Supplier/Sales Rep
☐ 8. Other, please specify _____

5. My capital expenditure is:

- ☐ a. Under \$100,000
☐ b. \$100,000 - \$249,999
☐ c. \$250,000 - \$500,000
☐ d. Over \$500,000

3. Number of holes:

- ☐ a. 9 holes ☐ d. 36 holes
☐ b. 18 holes ☐ e. Other, please specify _____
☐ c. 27 holes

4. My total annual maintenance budget is:

- ☐ 1. Under \$50,000 ☐ 5. \$500,000-\$749,999
☐ 2. \$50,000-\$99,999 ☐ 6. \$750,000-\$1,000,000
☐ 3. \$100,000-\$249,999 ☐ 7. Over \$1,000,000
☐ 4. \$250,000-\$499,999

6. My purchasing involvement is:

- ☐ 1. Recommend equipment for purchase
☐ 2. Specify equipment for purchase
☐ 3. Approve equipment for purchase

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341	342	343	344	345	346	347	348	349	350	351	352	353	354	355
356	357	358	359	360	361	362	363	364	365	366	367	368	369	370

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Supers contend with runaway fires threatening California

Continued from page 3

Hood. "We had a voluntary evacuation and closed the whole operation for a day," said Hood, who had seen a similar fire brush up against his facility five years earlier. "We had a little ash on the course, but that's about all."

Nearby Dove Canyon was never in real danger, but served as the staging area for two strike teams — six-engine fire companies designed for rapid deployment.

"We were a holding point for fire equipment, a place where firefighters could eat and shower," said superintendent Eric Lover. "We didn't close the course, but we were on alert for a voluntary evacuation."

THOUSAND OAKS HIT

The Malibu fire, as it has come to be called, started in a recreation area behind the 16th green at Los Robles Greens Golf Course in Thousand Oaks.

"It never touched the golf course," said assistant pro Henry Jacques. "They still don't know how it started."

What is known is that the Santa Ana winds quickly pushed the flames away from Los Robles and toward the coast.

"We thought it was going to pass south and west of us," said Duane Koyano, landscape foreman at Sherwood Country Club. "But the Santa Ana winds died down, the ocean breeze came up and started pushing it slowly toward us."

The fire passed through much of Sherwood owner David Murdoch's land. It destroyed homes and trees outside the Sherwood complex and licked up against the edges of holes 14, 15 and 16.

"When we saw it coming over the hill we turned on the sprinklers," Koyano remembered.

The water kept the fire at bay. The water came from an effluent-containing pond. But as the reclaimed water level dropped, so did the pressure. Fortunately, the winds shifted again and the fire traced a path along the edges of the course, doing no further damage.

"Several trees, some native grasses around the tees and the rough areas were singed. We had to resod a few areas. There were a couple melted sprinkler heads, and some Maxi wire for the computers was damaged. We replaced a couple of irrigation clocks. But that was about it," Koyano said.

The fire closed within 400 yards of the maintenance shed. As a precaution, superintendent Bill Hamilton's crew moved most of the equipment out of the facility and onto the practice range.

Murdoch's home construction crew was working nearby. They cleared brush and dug trenches to serve as fire breaks, helping

minimize further damage, Koyano said.

During the PGA Tour's Franklin Funds Shark Shootout held just two weeks after the blaze, Murdoch went on television and explained what had been done to the course and surrounding area.

"You could see the blackened hills behind him. But the course was in excellent shape," Koyano said.

Golf hole target undergoing tests to determine legality

In the wake of a decision that its golf hole target violates the Rules of Golf, U.S. Golf Hole Target, Inc. is having independent tests done on the product.

John Matheny, director of operations for the U.S. Golf Association, has reported that the USGA Rules of Golf Committee ruled that if the golf hole target is installed in the manner recommended, it violates the Rules of Golf.

Featured in *Golf Course News*' On the Green feature in September, golf hole target is a cup liner

manufactured by U.S. Golf Hole Target. The manufacturer recommends that the liner should be installed within 1/4 inch of the surface. But if it is moved down to 1 inch from the surface, it would be OK, Matheny said.

"Sometimes, white paint is used, but we've never allowed a material to be installed closer than 1 inch to the surface," Matheny said. He said the fear is that rigid hole liners might interfere with the ball going into the hole.

After the Rules Committee made the initial decision, the company

appealed the ruling. That appeal was reconsidered, and upheld, last October.

Noting that independent tests are being done, Matheny said: "We are willing to reconsider after evaluating their test results."

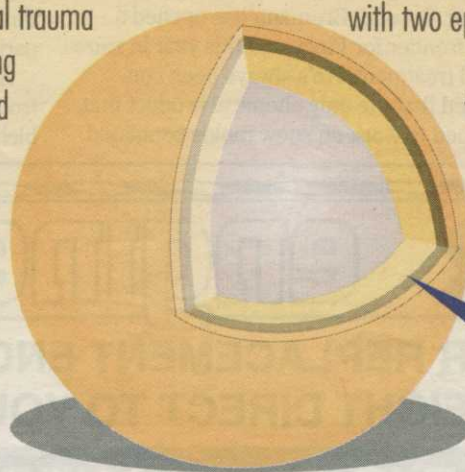
Meanwhile, the USGA Handicap Committee considered the situation at its fall meeting. Matheny said: "We have said that as far as casual play is concerned ... if people have chosen to use it [the golf hole target], we won't penalize a golfer using a score on that course for his handicap."

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Piloting a plane or a mower, Bromann in charge at Pinewood

By DEAN A. SHOWERS

With his head sometimes literally in the clouds and his feet firmly planted on the ground, superintendent and flying buff Al Bromann uniquely tackles the challenges of owning, operating and maintaining Pinewood Country Club.

Pinewood is owned and operated by Al and Judy Bromann, a Renaissance couple who offer a variety of year-round services in addition to championship golf, and who frequently are challenged by a forest full of turf care and environmental issues.

This winter, for instance, there will be an experiment to deal with snow molds. There once was the question of what to do with a tornado-ravaged wetland in the watershed of the pristine Bearskin Creek that supports native trout and winds through the course's front nine to shape some fairways. Bromann had to wind his way through state and federal regulations when he wanted to clean up the tornado's wetland carnage. In addition, he designed and built an integrated watering system without taking water from the protected creek. He has four ponds scattered on the course, any one of which can supply the others, and he can water the entire course at once.

He uses no insecticides and limits his use of other chemicals, while spot-checking for disease and other problems. His father, who built the course, accidentally devised a family soil recipe for building greens that resist certain area diseases. And while he doesn't call it integrated pest management, that is Bromann's approach in caring for this 550-acre forested expanse, of which about 20 percent is devoted to the golf course.

"The golf course is natural," said Bromann, who also is Pinewood's superintendent, chief architect, head environmentalist, equipment designer/builder and company pilot. "God was really the architect of this golf course. All we did was grow the grass and mow it. There are some poor soils we attend, but other than that, it was all here." It was a classic Bromann understatement, but this man of many talents made his point about the forested setting. He said he performs the numerous tasks at Pinewood because "anyone who owns a golf course in this area, also is out

on that equipment — it's the economics of our short season." (He has designed and built several pieces of equipment, including a ball picker and a sprayer for the snow mold experiment this winter.)

Bromann's wife, Judy, manages the country club's restaurant and its reservations operations, while they both tend to financial management. They have owned Pinewood since succeeding Bromann's parents, who started the club in 1961.

Visitors to the Lakeland Area golf, dine and stay at Pinewood, having traveled from South Africa, Australia, Japan, France and other parts of the world, as well as from the closer key markets of Chicago, Minneapolis and Milwaukee. Today customers fly directly to Pine-wood's well-kept 3,000-foot turf airstrip from as far as New York. Built by Bromann, the turf strip is kept open and healthy every day of the year, despite invasive winter snowplowing.

Pinewood's 18-hole, 6,107-yard, par 72 championship course lies among the great forests once controlled by lumber barons. Today, golfers play about 30,000 rounds annually on the creeping bent-grass greens and Kentucky bluegrass and bentgrass fairways and roughs.

Bromann always has used some form of integrated pest management, although he doesn't use the term to describe his insecticide-free pest and weed control, or careful use of chemicals for disease control. He scouts to monitor pests and diseases, and then spot treats. The only pest that requires control is cutworms, and his

disease problems are limited to the pink and gray snow molds and dollar spot.

"The adult insects freeze up here, but we do have a problem with cutworms," said Bromann. "We know we're getting cutworms by

observing the birds as we mow. I use a natural product — nematodes — to control cutworms."

The snow molds are a different story at Pinewood this year on two fronts. First, after a string of years with very little snow mold damage, the problem was serious last spring. Second, Bromann has opened a new frontier for Pinewood this year in snow mold treatment. He's always been concerned that the only chemical product that seemed to work on snow molds contained

mercury, but that product has been voluntarily withdrawn from the market, so Bromann will experiment this year with a new product and new methods.

"We all get some snow mold up here, but each of us in this area has a different way of putting the greens to bed in fall — sometimes it works, sometimes it doesn't," said Bromann. "This year, my greens were a mess, yet another course within eight miles had no problems, and still another nearby course wasn't back by even mid June." He will continue to put his greens to bed in the same manner, but his type of chemical and method of application will change.

Until 1993, Bromann aerated the greens with 1/4-inch tines, 3 inches deep and 1-1/2 inches apart. He also topdressed, fertilized and applied the snow mold chemical twice — once in October when play was limited, then again as late as possible in the year.

This year's experiment, however, calls for using northern Wisconsin's snow and temperature conditions for a special residual effect, and the use of PCNB, a contact fungicide. He has built a sprayer to attach to a snow cat and will apply PCNB on top of the snow-covered greens in January, February and March.

Wisconsin snow frequently forms into layers of what cross-country skiers call "corn snow," which is hard granules formed by temperature changes, as the snow melts slightly and refreezes.

"Our hope is that, by spraying on top of the snow three different times, as each layer reaches the greens and melts, we'll get residual effect and three different treatments," said Bromann.

While Pinewood's disease problems are limited to the snow molds and dollar spot, other area courses have additional plights. Bromann attributes his good fortune to a mixture of serendipity and the available soils when his father first built the greens.

"I believe it's because of the greens mixture my dad used, and which we continue to use today," said Bromann, who doesn't mind sharing the simple formula that uses Pinewood's soil in part. "We just use equal parts of sand, peat and topsoil."

And while he uses no chemicals to control weeds, he does have some weed problems in the four spring-fed ponds he's de-

veloped as sources for his integrated watering system. The ponds are interconnected so that any one of them can be filled by the others. This also permits Bromann to water the entire golf course at once. His chemical-free pond maintenance program consists of guarding against soil erosion to minimize silt, cleaning what silt there is and hand-pulling the weeds. This keeps the nutrients down, and the water quality up.

"We're very fortunate to have the wa-

tershed for these ponds," said Bromann.

"In the future, I believe the biggest cost golf courses will have is water quality and quantity, and care and maintenance will be costly."

The watershed also has created wetlands at various spots around

Pineland. However, they are not an issue, with one exception, since Bromann does not like to disturb wetlands. The exception is a small wetland area that the tornado ripped into six years ago. It wrenched mature trees as if they were young flora, and left a large mess near hole No. 4.

"There was no way to clean it up but to pull the stuff out," said Bromann, who was required to obtain numerous restrictive permits from various state and federal agencies before he could move anything. Bromann's cleanup plan included construction of a pond to give the high ground surrounding the wetland some relief. That allowed him to build an alternative, longer hole No. 4 behind where the wetland was and the pond now is. However, the pond is growing tall grasses and cattails today, a fact that Bromann sees as a kind of vindication to those who were reluctant to approve his permits.

"Maybe they were right," Bromann said. "It keeps wanting to return to a wetland."

IPM is the norm in Pinewood's turf care, but Bromann continually adds evolving practices to make the process more environmentally safe and fiscally sound.

"We try to use diesel fuel instead of gasoline, and we look for ways to use less fuel," said Bromann. "If there's a task to complete, we double it up with other jobs. For example, when we fertilize our greens, we also take out the aerator, and we'll mix lime into the fertilizer to make it work better. These kinds of practices decrease pollutants and also save costs on labor, fuel, equipment and fertilizer."

In the future, I believe the biggest cost golf courses will have is water quality and quantity, and care and maintenance will be costly.'

— Al Bromann

'Anyone who owns a golf course in this area, also is out on that equipment — it's the economics of our short season.'

— Al Bromann

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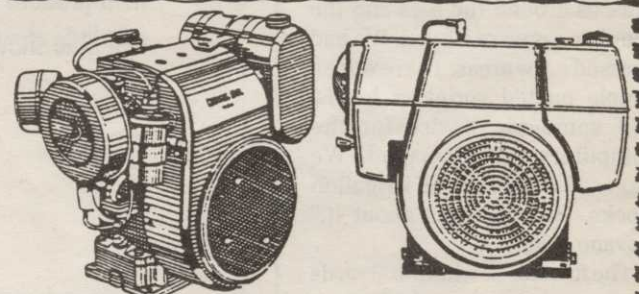
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Changes at headquarters

O'Brien named to new post of COO

LAWRENCE, Kan. — Joe O'Brien has been named chief operations officer (COO) by the board of directors of the Golf Course Superintendents Association of America (GCSAA).



Joe O'Brien

O'Brien comes to GCSAA from the American Hotel Foundation (AHF), where he served as president. He begins his GCSAA tenure early this month.

"Among the strengths Joe brings to GCSAA are the experience he gained with his previous employers and the many friends he has made in golf," said GCSAA President Randy Nichols on the selection of O'Brien. "His skills, talents, nature and background should mesh nicely with the other members of the GCSAA team."

O'Brien's career features a long, distinguished record of achievement in the golf industry.

He worked for the PGA of America from 1973 through 1990. O'Brien began as assistant director of education and, three years later, was promoted to director of education. In 1983, he became manager of membership services. He was promoted to senior director for strategic planning in 1987.

From the PGA, O'Brien went to Marriott Golf in Bethesda, Md., where he served as senior business developer.

For the past year, he has been president of the AHF, which advances the hospitality industry by providing financial assistance for education, research and developing travel awareness.

O'Brien holds a bachelor's degree in marketing from the University of Illinois, and master of business administration from DePaul.

Greenhouse studies planned

NEW BRUNSWICK, N.J. — Greenhouse management and production will be the subject of three courses offered by Cook College's Office of Continuing Professional Education.

"Design of Greenhouse Systems and Environmental Control," will be offered on Jan. 10 and 11.

For more information call 908-932-9271.

GOLF COURSE NEWS

Arrendondo is appointed chief operations officer at GCSAA

LAWRENCE, Kan. — Julian Arrendondo has been named chief financial officer by the board of the directors of the Golf Course Superintendents Association of America (GCSAA).

Arrendondo was formerly vice president and CFO of Midwest Titan Construction Co., in Olathe, Kan.

Prior to his responsibilities at Midwest Titan — a commercial general contractor with a \$50 million annual budget — Arrendondo, 35,

spent seven years in the Kansas City office of Touche Ross & Co., a national accounting firm.

Chief financial officer is a new executive position at GCSAA headquarters. Creation of the post was one of the primary



Julian Arrendondo

suggestions taken from an Arthur Andersen study conducted on operations at GCSAA in early 1993.

"The position of chief financial officer for this association brings with it maximum responsibility and accountability to our membership," said GCSAA President Randy Nichols.

"I am confident that Julian Arrendondo's past success, fine reputation and deep-seated integrity all speak with consistent accuracy of what we can expect

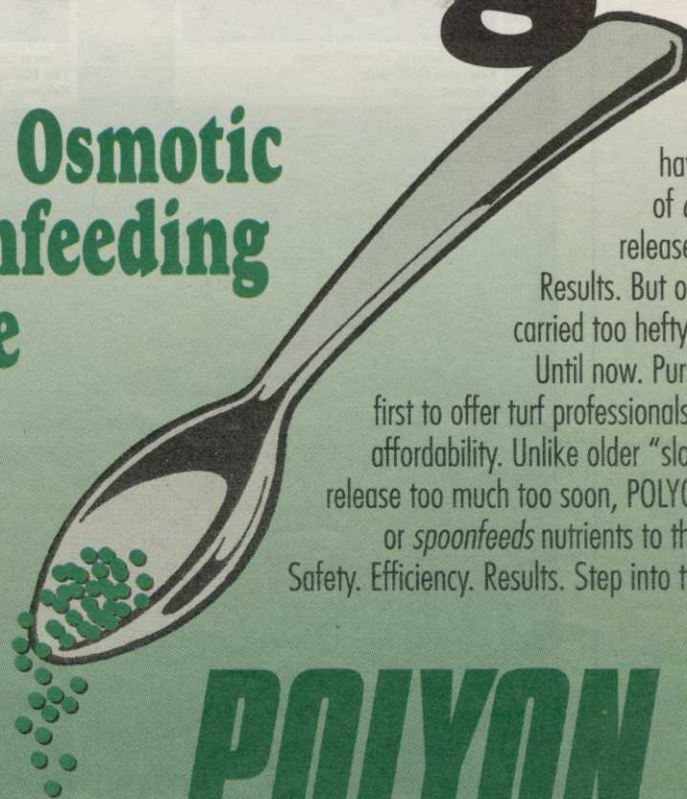
from him.

"The growth of GCSAA over the past decade has been paralleled by strong growth of revenues and our operating budget," Nichols continued. "Julian comes to this position well equipped to exercise the professional oversight required to effectively manage and monitor our finances."

Arrendondo, who began his tenure Dec. 1, holds a business administration degree from Rockhurst College in Kansas City.

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Where They're Going

Rygg promoted to director of sports, rec

SQUAW VALLEY, Calif.—**Carl Rygg** has been named director of sports and recreation at the Resort at Squaw Creek. All sports and recreation have now been grouped into one division under the supervision of Rygg, who was promoted from the post of golf course superintendent. Rygg will oversee the resort's entire golf operation, tennis and mountain biking programs, executive health and fitness center, the alpine and cross country ski operations, the Squaw Creek Sports shop, Mountain Buddies children's activities program, and all landscaping/base grooming.



Carl Rygg

Club, a Carolina Golf Group facility here. Elmore had previously served as assistant superintendent during construction of the Neuse Golf Club in Clayton.

THOMSON, Ga. — **Dennis Echols** has accepted the head superintendent's post at Belle Meade Country Club here. Echols had been an assistant at Augusta National Golf Club in Augusta.

ST. PETERSBURG, Fla. — The University of South Florida Golf Course (a.k.a. "The Claw") has announced the hiring of **James M. Torba** as turf specialist and grounds superintendent. Formerly of Spring Hill Golf Club in Hernando County, Torba will be responsible for the 18-hole golf course, collegiate soccer facility and practice field, and several

other sports fields at USF.

HOLLYSPRINGS, N.C. — **Neal Duff** has been promoted to head superintendent at Devil's Ridge Golf Club here. Duff had served as assistant superintendent at Devil's Ridge since 1991, when he was hired during construction.

MCDONOUGH, Ga. — **Sam Newpher** has come home. A Georgian who left the state to accept the golf course superintendent's position at Briarwood Country Club in Meridian, Miss., Newpher is the new head super at Cottonfields Golf Club here.

ORLANDO, Fla. — **Robb Dillinger** has been promoted to regional superintendent for Arnold Palmer Golf Management Co. (APGMC). Dillinger had been course superintendent at Spencer T. Olin Community Golf Course near St. Louis. Hewill continue to oversee maintenance at Olin in addition to other APGMC facilities.

DALTON, Ga. — **Joe Collins**, a recent graduate of Clemson University, is now the second assistant superintendent at The Farm Golf Club here.

CHESTERTON, Ind. — **Donald F. Ewoldt** has been selected to head the Turf Management Centre at Sand Creek Country Club here. A 1973 graduate of Iowa State University with a degree in agronomy, Ewoldt comes to Sand Creek after growing in Blackhawk Golf Club in Pflugerville, Texas.

Sand Creek is adding nine holes, the construction and grassing of which will be overseen by Ewoldt. He will also oversee the conversion of Sand Creek's 12th and 13th holes into a single par 5, featuring rebuilt green, tee and bunkers.

EAST LANSING, Mich. — **Scott Bower**, a student here at Michigan State University, has accepted the assistant superintendent's position at Oakland Hills Country Club in Birmingham. Bower will report to Oakland Hills, site of the 1996 U.S. Open, upon graduation from MSU.

ROME, Ga. — **Aaron Waters** is the new golf course superintendent at Horseleg Creek Golf Club here. He comes to Horseleg from Maple Creek Golf Course in Bremen.

TAMPA, Fla. — **Jim Ellison**, vice president of golf course maintenance for Arnold Palmer Golf Management Co. (APGMC), has announced the appointment of **Jim Kernohan** to superintendent for Silverthorn Country Club. Kernohan has been associated with APGMC for six years, having trained at Bay Hill Club and Isleworth Country Club. He has an associate of science degree in golf course operations from Lake City Community College. Silverthorn is a semi-private club, owned by Scarborough Development.

CARY, N.C. — **Brett Elmore** has been promoted to head superintendent at Lochmere Golf

UPDATED

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Joseph M. Hahn, Golf Course Superintendent
Oak Hill Country Club
Rochester, New York



Gary Dempsey, Golf Course Superintendent
New South Wales Golf Club
Sydney, Australia



Mandel Brockington,
Golf Course Superintendent
Ridgewood Country Club, Waco, Texas

'A wonderful resource,' Envirotron lab opens

GAINESVILLE, Fla. — The Florida Turfgrass Research Foundation, in company with the University of Florida and the Institute of Food and Agriculture Science, officially christened its long-awaited Envirotron here on Nov. 19, 1993. More than 200 people attended the dedication to celebrate the opening of the \$700,000 one-of-a-kind turfgrass research facility.

University President John Lombardi started the dedication with true optimism, stating the

Envirotron is "a wonderful resource." The 3,100-square-foot, state-of-the-art research field laboratory is designed to study and develop new technology on the relationship of turfgrass with all biological, environmental and cultural factors affecting turf. The state of Florida now has one of the best teaching and extension facilities for turfgrass research in the country and the state's first Environmental Research Unit. Lombardi recognized all who had first hand taken part to make the

Envirotron a reality.

Guest speaker Steve Melnyk, president of Riverside Golf Group and an ABC Sports golf analyst, delivered the dedication address. Melnyk, a Gator alumni, spoke highly of the opportunities the Envirotron holds for researching the environment, stating "turfgrass is literally nature's sponge." He backed the turf industry and the professors who study turf, saying, "We hope to fight the misconception" that it harms the environment; and "one



University of Florida President John V. Lombardi addresses the crowd at the Envirotron dedication.

golf course produces enough oxygen for a city of 10,000 people."

Following the speeches, the Envirotron facility was open for a tour. The facility includes a research lab, growth chambers, environmentally controlled greenhouses and a soils lab. The Envirotron's most distinctive feature is the rhizotron, a hoist system that lifts 24 individual glass-walled research plots out of the ground so researchers can get a better look at root systems.

It is also equipped with student housing which will allow recruitment of top turf scholars, and scholarships will be provided through the Dr. G.C. Horn Endowment.

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Chateau Elan-Legends Course
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Preston Maxey, Golf Course Superintendent
Decatur Country Club
Decatur, Alabama

Top 10 list for success

By TERRY BUCHEN

1. Golfers can see everything that we do. This is very rewarding.
2. Use your powers of observation. Do not let anything get past you.
3. Anticipate what the golfers want at your course. Give them playing conditions better than what they want.



4. Use your gut feeling first. Usually your natural reactions are the correct ones.

5. Never assume anything. Check every area of your responsibility, eliminating any "guess" work.

6. Use common sense. Ninety percent of anything is usually common sense-related.

7. Be a good listener. As much as we all try to be one step ahead of the golfing public, we still must listen to everyone we encounter.

8. Never get too over-confident. Yesterday's great conditioned golf course can change in a matter of hours.

9. We have the most responsibility at our golf course but we do not always get the proper credit that we deserve. Be easy to get along with while still acting professional; communicate with your golfers "out on the course" as much as practical; ask golfers how the course is playing today as they will appreciate wanting their opinion.

10. Play golf once a week. If possible, play with a different group of players each week; walking the course taking notes is the next best thing to playing; walking the course in reverse order is quite revealing for further note taking.

Mountains



COLORADO SHOW COMBINED

DENVER — The Associated Landscape Contractors of Colorado (ALCC) has combined its trade with that of the Colorado Nurserymen's Association.

The first ProGreen Expo and conferences will be held here Feb. 22-24, at the Colorado Convention Center. For more information, contact the ALCC at 303-757-5611.

Northeast

CAPE COD OFFICERS ELECTED

HARWICH, Mass. — The Golf Course Managers Association of Cape Cod held elections for 1994 officers

here at Cranberry Valley Country Club. Among those serving this year

are President James Conant, CGCS, King's Way Golf Club; Vice President Eric Newell, CGCS, Rockland Golf Club; Secretary Stephen Mann, Captains Golf Club; Treasurer Thomas Colombo, Country Club of New Seabury; Past President Thomas Flaherty, CGCS, Woods Hole Golf Club; Director Bruce McIntyre, CGCS, Olde Barnstable Fairgrounds; and Director Christopher Tuffs, Willow Bend Club.

NY TURF AND GROUNDS EXPO

SUFFERN, N.Y. — The New York State Turfgrass Association has expanded its Turf and Grounds Exposition II at the Holiday Inn here. Scheduled for Feb. 16 and 17, and sponsored by the New York State Turfgrass Association, this conference provides pertinent and dynamic sessions to update you on current trends, procedures and the latest research results. The GCSAA seminar, Stress Management of Turf will be held on Feb. 16. Registration is through the GCSAA (call 913-832-4444).

Please report your news

Golf Course News is always on the lookout for superintendents news around the country. If you have a news item, please type it and address it to: Regional News, *Golf Course News*, P.O. Box 997, Yarmouth, ME 04096.

Split sessions begin at 1:30 p.m. on Feb. 16 with three tracks: aquatics, grounds maintenance and athletic fields. Topics to be covered on Feb. 17 include a NYSDEC product registration review, new herbicides for turf and landscape use, environmental risk management for the turfgrass industry, and golf course planning and construction. Among the presenters are Robert Johnson of Cornell University; Maureen Serafini of NYSDEC; Stephen Ho of Aquatic Management Services; Dr. Joseph Neal of Cornell University; Don Gabel of

Horticultural Consulting Services; Dr. Norman Hummel of Cornell University; Dominic Morales of SUNY Delhi; Robert Emmons of SUNY Cobleskill; James Hornung of Pilot Field; Superintendent Stephen Cadenelli; and Dr. Frank Rossi of University of Wisconsin.

There will be a reception at the trade show opening at 5 p.m. The professors will be at the trade show reception to discuss your concerns about your turf management program. Come prepared to share a beverage with your expert of the field.

For further information, a

program or information to become an exhibitor call NYSTA 1-800-873-TURF, 518-783-1229, FAX 518-783-1258.

N.Y. TRAINING SCHOOL SET

ALBANY, N.Y. — The New York State Turfgrass Association and the New York State Recreation and Park Society are cosponsoring the 2nd Annual Turfgrass Management/Park Maintenance Training School. The school features a three-track seminar schedule and a trade show Jan. 5-7 at the Omni Albany

Hotel. The tracks are turfgrass management, professional development and park maintenance. The turfgrass management track includes Dr. Patricia Vittum of University of Massachusetts; Robert Emmons of SUNY Cobleskill; Dominic Morales, of SUNY Delhi; Steve Griffen of Saratoga Sod Farm; Randall Swanson of Paul Smith's College; and Larry Van DeValk of SUN Cobleskill.

For a complete program or exhibitor information call NYSTA 1-800-873-turf, 518-783-1229, Fax 518-783-1258.



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Southeast

ABOVEGROUND TANK REPORTS

MONTGOMERY, Ala. — Owners of aboveground storage tanks containing motor fuels — all grades and blends of gasoline, No. 1 and No. 2 diesel, and kerosene — are required to notify the Alabama Department of Environmental Management



(ADEM) of their existence by Jan. 31, 1994, to be eligible for reimbursement under the Alabama Tank Trust Fund (ATTF) for assessment and cleanup costs associated with a release. The ATTF coverage allows reimbursement of assessment and clean-up costs of up to \$1 million after the owner or operator pays the first \$10,000, provided the leak was discovered after July 1, 1981, the clean-up is conducted by an ADEM-approved Trust Fund contractor and the tanks are registered by the Jan. 31 deadline. For more information, call the

ADEM Groundwater Branch in Montgomery at 205-270-5655.

GEORGIA LEADERS ELECTED

Election held at the 1993 Georgia GGCSA Annual Meeting brought new leadership to the association.

The 1993-1994 Executive Committee officers and board members are President William Shirley of The Idle Hour Club in Macon, who returns for a second year of a two-year term; Vice President Mark Esoda of Atlanta Country Club in Marietta also returns for his second in a two-

year term; Treasurer Chuck Underwood of Northwood Country Club in Lawrenceville (incumbent); Secretary Jim Dusch of Atlanta National Golf Club in Alpharetta; Bob Perry of Griffin Country Club in Griffin; Buck Workman of Valdosta Country Club in Valdosta; and newly elected board members Sam Crowe of Monroe Golf & Country Club in Monroe, Craig Ketelsen of Orchard Hills Golf Club in Newnan, and Wade Thomas of Indian Hills Country Club in Marietta.

Retiring board members are

Ralph Hinz of The Landings, Savannah; Steve Wilson of Druid Hills Golf Club in Atlanta; and Bill Womac of Dunwoody Country Club in Dunwoody.

The Georgia Student Scholarships GGCSA 1993 Student Scholarship recipients — Edward Lee Crosby of Omega and Timothy Cunningham of Norcross, who attend the University of Georgia and Gwinnett Tech, respectively — were each awarded a plaque of recognition in addition to a check for \$1,000 at the GGCSA annual meeting.

Crosby and Cunningham were selected from a number of qualified candidates attending two-or-four-year turf schools. Two GGCSA scholarships are awarded annually to Georgia turf students in recognition of their outstanding scholarship qualifications and academic performance to encourage their consideration of the golf turf profession as a life career.

North Central



HANCOCK CENTER REDEDICATED

EAST LANSING, Mich. — The Robert Hancock Turfgrass Research Center, originally dedicated in 1980 and built by a grant to Michigan State University from Mr. Hancock of Jackson, was site of a rededication ceremony of the facility's new 10-acre expansion.

The festivities included an introduction from Dr. Bruce Branham of the Department of Crop and Soil Sciences and a welcome by Jim Bogart, president of the Michigan Turfgrass Foundation. Dr. Fred Poston, dean of MSU's College of Agriculture and Natural Resource, spoke on the importance of turfgrass industry to the university and what the expansion will mean to the future direction of the relationship between the university and the turfgrass industry.

Gordon Lafontaine, executive director of the Michigan Turfgrass Foundation, recognized all the donors to the expansion of the turf facility. There were 39 donor companies from the turfgrass profession. Their gifts included turf equipment, irrigation and drainage systems, soil, seed, and chemicals, plus other financial assistance which will make the Hancock Center one of the leading turfgrass research facilities in the world.

Following the ceremony, those in attendance toured the new facility. Stops included inspection of the new irrigation system, the Silverdome research project for growing grass indoors, the PAT System for athletic field research, the new greens soil area for greens research and the new in ground greens aeration system.



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Tour of Duty

NEIL "BUSTER" BUSTAMANTE

Mauni Lani Resort
Kohala Coast, Hawaii
Senior Skins Game
Jan. 27-30, ABC

Neil Bustamante, better known as "Buster", is a native of Oahu who came to Mauni Lani in 1980 after serving as vice president and general manager of Olomana Golf Links for 13 years. This will be Bustamante's fifth Skins Game, staged on a composite 18 at the 36-hole Mauni Lani Resort. Both designs were laid out by the firm of Nelson, Wright, Haworth — the first in 1980, the second 10 years later.

THINGS TO LOOK FOR: "Our golf course is built on a lava floor," Bustamante explained, "so we run green grass right up to the edge of the lava. We actually burn the grass along the edge of the golf course with propane burners. It creates a sooted look, which makes it appear as if the lava flowed right up to the edge of the fairways. A lot of golf course superintendents can't do this sort of thing because they're afraid of starting a fire. But that's not a problem out here on the lava."

MADE-FOR-TV PREPARATIONS: Bustamante explained that he irrigates with brackish water, which results in salty soil. The water is turned off a week before the tournament in order to firm up the course and accommodate electronic TV equipment.

With the water off, the grass goes brown pretty fast.

"It's a nightmare," said Bustamante, who resorts to grass paints. "And the TV equipment tears the course up sometimes. TV crews are not the superintendent's best friend."

Unlike many supers, Bustamante doesn't burn stripes into his fairways. "The Tour says 'Don't do it,' so I don't," he said. "But most guys do it anyway."

HARRY BRITT

The Links at Key Biscayne
Key Biscayne, Fla
Royal Caribbean Classic
Feb. 3-6, ESPN

Harry Britt waited a long time to host his first professional tour event. After attending turf programs at the University of Florida and Dade South Community College, the 62-year-old Britt spent many years working for the Dade County Parks and Recreation Department. Fifteen years ago, he accepted the head superintendent's position at Key Biscayne. Five years ago, the Senior Tour came calling. Britt was understandably nervous before the inaugural event, but now the butterflies are under control. Right? "Until about a week before the tournament," he said with a laugh. "They come automatically. You start worrying about what you forgot."

THINGS TO LOOK FOR: The Links at Key Biscayne, a von Hagge/Devlin design opened in 1972, has undergone a lot of new construction. Mounding has been installed around many greens. "They could be used for spectators," said Britt.

"But they weren't intended for them entirely." They also help frame the hole, he said.

Many of the fairways also feature new mounding. No need to hire shapers, though. "I did it myself," Britt explained. "I've rebuilt greens and traps. I really enjoy it."

MADE-FOR-TV PREPARATIONS: There aren't many to be found around Britt's course, save a few annuals around the clubhouse.

"What we try to do is keep the course in A-number-one condition all the time, so we don't have to prepare that much. We don't do any special striping. If a course is well groomed, it'll show on TV."

"If it's poorly groomed, that will show up, too."

JEFF GORHAM

Spyglass Hill Golf Links
Pebble Beach, Calif.

AT&T Pebble Beach Nat'l Pro-Am
Feb. 3-6, USA/CBS

Jeff Gorham, 31, was raised in the Fresno area and matriculated to Cal-Poly San Luis Obispo, where he earned a degree in ornamental horticulture in 1989. After serving as assistant superintendent at Incline Village in Lake Tahoe, he accepted the assistant's position at Spyglass. Six months later he was head superintendent, preparing his course for some of golf's best players and most glittering celebrities. This year's AT&T will be his second as head super, and he plans to be a bit more relaxed. "I hope so — as long as the weather cooperates," he says with a laugh. "We had a lot of trouble with the rains last year: twice what we normally receive... But this year the weather's been great."

THINGS TO LOOK FOR: "We keep the course, meaning the areas off the fairways, in more of a natural state," said Gorham of Spyglass, a Robert Trent Jones Sr. design completed in 1966. "This is an older course that's not intended to be manicured, I don't think. There isn't much rough, and what's there is meant to blend into the surrounding forest." Gorham has overseen the reclamation of 11 greens, which had shrunk in size over the years. "We restored them to their original designs," he explained. "We picked up two extra pin placements per hole, which really helps us during the winter time. Because it's so shaded here, and it can be so wet, it's tough to grow grass."

MADE-FOR-TV PREPARATIONS: Much of the AT&T action will be televised from Pebble Beach, with hand-held cameras venturing over to Spyglass. "But we want it to look impressive for the galleries and players," Gorham said. "We give the fairways a nice shot of iron so they green up and stripe really well. It's a little more low key than Pebble, which is really under the microscope."

Hayes certified as soil scientist

LAWRENCE, Kan. — Alan Hayes, education manager for technician training for the Golf Course Superintendents Association of America (GCSAA), has earned the title of Certified Professional Soil Scientist.

Hayes assists in management of programs for spray technicians and irrigation specialists.

The CPSS designation is achieved through the certification program administered by the American Registry of Certified Professionals in Agronomy, Crops and Soils.

Prior to joining GCSAA in 1992, Hayes was a crop diversification specialist in Guatemala for the U.S. Peace Corps.

He holds a bachelor's degree in earth and mineral science from Penn State University and an master's degree in soil and water science from the University of Arizona.

Royal Golf & Tennis shuffles, adds staff

HILTON HEAD ISLAND, S.C. — Royal Golf & Tennis, Ltd. has promoted and added four staff members of the maintenance departments of the Shipyard and Port Royal golf clubs, according to COO Mike Tinkey.

James Norby has been promoted from course superintendent to the new position of director of golf maintenance at the 27-hole Shipyard Golf Club.

Jay Reister will report to Norby and serve as assistant director of golf maintenance at Shipyard.

Scott Mau has been named director of golf maintenance for the Robber's Row, Planter's Row and Barony courses.

Steve McKinley has been transferred to Port Royal from the Shipyard Golf Club, Port Royal's sister facility on Hilton Head Island.

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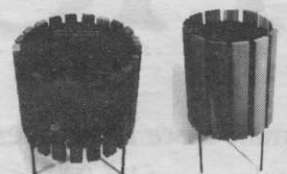
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Michigan State research shows insignificant amounts of fertilizer reach ground water

By MIKE KENNA

Michigan State University researchers have found the amount of nitrogen fertilizer applied to turfgrass which reaches ground water is basically nil.

Turfgrass management on golf courses is often criticized for contaminating ground water with nitrogen fertilizer. This criticism is strictly a perception on the part of the public that a turfgrass system is no different than an agricultural cropping system.

As part of the \$3 million United States Golf Association Environmental Research effort, preliminary results indicate that less than one percent of the nitrogen applied on a Kentucky bluegrass turf traveled to a depth of four feet within the sandy loam soil.

The annual nitrogen fertilization rate for the two-year study was 175 pounds of actual nitrogen per acre split into five monthly applications made during the growing season.

The effect of an early-spring versus late-fall application of nitrogen fertilizer was also compared.

However, the differences between the late-spring and early-fall nitrogen applications were negligible.

Previous research has demonstrated that late-fall applications of nitrogen extend turf color into the winter and have added benefits during green-up in the spring.

The research project was designed to monitor the movement of nitrogen fertilizers through the soil and their potential to subsequently contaminate ground water.

The study was conducted by Dr. Bruce Branham and a team of university faculty experts in nitrogen fate research. Four large, draining lysimeters (or buckets) containing an undisturbed sandy loam soil were installed at the Hancock Turfgrass Research Center on the Michigan State University campus. These lysimeters are approximately three feet in diameter and four feet deep.

Using labeled N-15 nitrogen for the first applications — made in April 1991 for the spring treatment, and November 1991 for the fall treatment — the distribution of nitrogen among Kentucky bluegrass clippings, verdure, thatch, sandy loam soil, and leaching and gaseous losses were determined.

The results provide an environmentally positive view of the turfgrass ecosystem. After continuously monitoring the water leached from the lysimeters for more than two years, recovery of labeled nitrogen amounted to 0.01 percent for the spring-applied nitrogen and 0.005 percent for the fall-applied nitrogen.

Mean nitrate concentrations over the two years averaged less than 1 part per million (PPM), with the highest recorded concentration at only 4.5 PPM. These values are well below the U.S. Environmental Protection Agency drinking water standard of 10 PPM. Less than 20 percent of the original nitrogen applications was found in the soil.

Whether the nitrogen was spring- or fall-applied, the thatch layer was found to store approximately 30 percent of the application. Another 30 percent was harvested in turf clippings and verdure. Gaseous losses accounted for 25 percent of the spring application.

The research data compiled so far at

Mike Kenna, PhD, is director of Green Section Research for the United States Golf Association. He works from the USGA office in Stillwater, Okla.

After continuously monitoring the water leached from the lysimeters for more than two years, recovery of labeled nitrogen amounted to 0.01 percent for the spring-applied nitrogen and 0.005 percent for the fall-applied nitrogen.

Michigan State University paints a very positive picture of the fate of nitrogen applied to a Kentucky bluegrass turf.

More important, the thatch layer demonstrated a significant and positive impact on the fate of nitrogen from an environmental standpoint.

For more detailed information on the above study, contact Mike Kenna at the USGA Green Section Research Office, P.O. Box 2227, Stillwater, Okla. 74076.

OFF THE RECORD

This month marks the beginning of a new column featuring information gleaned by U.S. Golf Association Green Section agronomists around the country. We look forward to sharing research like this from universities and others expert in the field of turfgrass.



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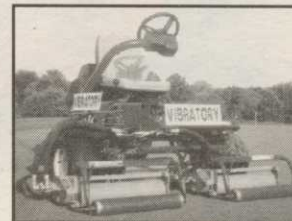
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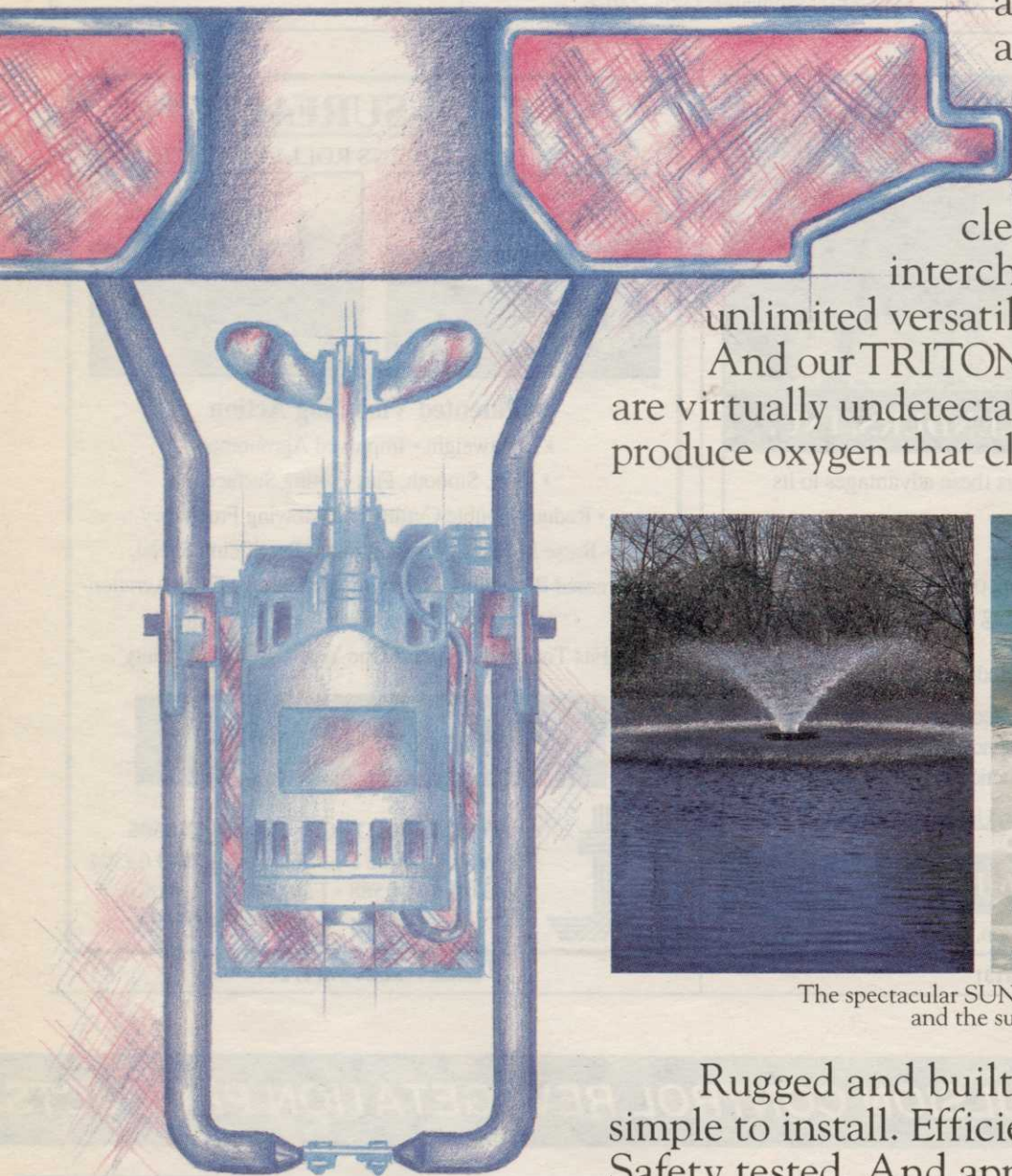
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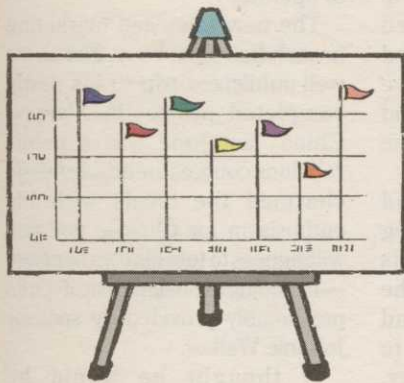
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BRIEFS



SERAFIN WRAPS UP ADDITION

BUCYRUS, Ohio — Serafin Golf Course Design, Inc. is completing a nine-hole addition to the Bucyrus Country Club here. The builder for the project is Quality Golf, Inc. of Sunbury, Ohio. In addition, Serafin has begun construction on a nine-hole addition to Memorial Park Golf Course in Kenton, and The Links at Echo Springs, an 18-hole public course in Johnstown. Serafin Design also has been chosen by the city of Piqua to design a nine-hole addition to Echo Hills Golf Course. The Echo Hills project includes renovations to the existing nine holes as well as a new driving range and clubhouse.

WILLIAMSBURG GROUP MOVES

WILLIAMSBURG, Va. — Williamsburg Environmental Group, Inc., has relocated to 516 South Henry St., Suite B, here. The consulting firm of President Ronald Boyd and Vice President Mike Kelly will continue to have the phone number 804-220-6869.



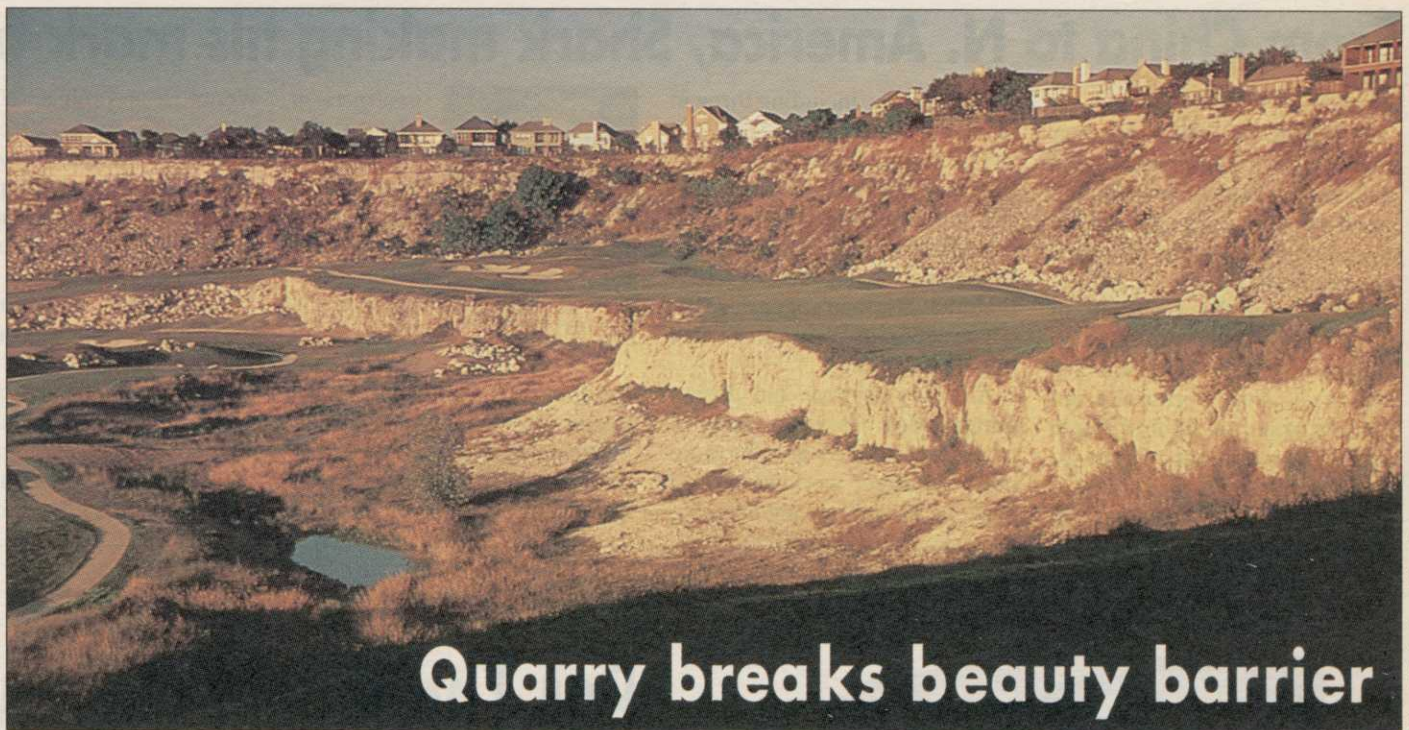
RIDGEWOOD LAKES TOUGH SEMI-PRIVATE

POLK COUNTY, Fla. — Ridgewood Lakes Golf and Country Club, a master-planned community near Haines City, debuted as an 18-hole course in late November, 1993. "First and foremost, this new course promises to be lots of fun for golfers with challenge for all skill levels," said designer Ted McAnlis. "Though not severe, Ridgewood is no pushover." The 7,016-yards, par-72 layout stands as a semi-private club open for public play. Ridgewood is managed by GolfSouth, based in Greenville, S.C.

MUNI INDIAN PEAKS OPENS

LAFAYETTE, Colo. — Indian Peaks Golf Course, a Hale Irwin-designed municipal course, has opened for play. A 168-acre, 18-hole golf course located within a 650-acre residential community, Indian Peaks was built on the Beauprez and Pizek family farms. The development concept focused on outdoor living, sensitivity to the environment and a feeling of open space. "This is not going to be Colorado's most difficult golf course. That's not the intent," Irwin said. "This won't be unplayable, it will be fun. It should have enough variety and challenge to appeal to people of all abilities."

GOLF COURSE NEWS



Quarry breaks beauty barrier

By MARK LESLIE

SAN ANTONIO, Texas — From a mine quarry to a golf course. From a 130-foot-deep hole in the ground to a breathtaking string of golf holes with names like Alcatraz, Escape from Alcatraz, Fire in the Hole, Reload and The Wall. From a vacant lot to a tourist attraction, The Quarry has now been unveiled by its developers.

The Quarry joins a new Tom Weiskopf-Jay Morrish resort course, LaConterra for USAA Insurance at Fiesta theme park, and the Art Hills-Keith Foster collaboration at Hyatt Hill Country Resort as additions to the city's golfing scene. All public, daily-fee facilities, they could be a tourist boom for San Antonio.

"This hits the upscale market, which is

really unaddressed in this area," said Bill Ellis, president of Club Consultants Inc., which is operating the course for developers Jack and Bill Parker and Jay Eddy. "There are 11 municipal courses and one daily-fee, but no one had addressed this particular need."

"We think with [theme park] Fiesta Texas, the Riverwalk and Sea World,

Continued on page 52

Congress in action on environmental front

Endangered species expansion forecast

By JOE DYSART

While endangered eagles and butterflies have often scuttled golf course maintenance and development, it appears the industry has not seen anything yet. Newly proposed rules for the Endangered Species Act promise to create more headaches for those trying to build new golf courses, or maintain existing ones.

Pro-business interests mobilizing against the new rules — which are being pushed in Senate bill S.191 by Sen. Max Baucus (D-Montana) — say the changes will make it more difficult for regulators to



Wetlands and endangered species face changes in the minds of the lawmakers. This footbridge is typical of those bridging wetlands these days.

consider economic hardship before they rule on golf courses subject to endangered species protection.

Moreover, the new rules also call for government regulators to step in earlier to prevent a

Continued on page 49

Wetlands regulations revision gains support

By MARK LESLIE

WASHINGTON, D.C. — While developers await National Academy of Sciences (NAS) recommendations on wetlands delineation, Congress may move forward on legislation that could revolutionize construction in wetland areas.

The NAS study is due out at the end of 1994 and a new delineation manual might not be implemented until 1995 or beyond, according to Mike Kelly, vice president of Williamsburg Environmental Group in Williamsburg, Va. But the Congressional bill (H.R. 3465) awaits action. It was introduced

Continued on page 48

Q & A

Kaneda: Putting Japan's architects on golf's map



At a time when golf construction is at a crossroads in Japan, golf course architect Takeaki Kaneda has stepped to the forefront with famed colleague Shunsuke Kato to form the Japanese Society of Golf Course Architects. They face major struggles but have the background needed to do so. Kaneda graduated from Waseda University and attended graduate school at Ohio State University and then the University of Maryland as a graduate assistant. An accomplished golfer, he has been a producer and commentator for Japanese television and is an adviser for Golf Illustrated and Fortune magazine.

Golf Course News: You and Shunsuke Kato formed Japanese Society of Golf Course Architects partly to improve members' skills and improve golf in your country. How will you do that?

Takeaki Kaneda: We want to contribute to the Japanese golf world through our activities. The biggest problem Japanese golf has is, golfing expenditures are so high. The number-one priority is build more municipal courses. We can do this with the help of local government. Japan is a very centralized country. People have to make a decent living, and when it comes to living standards, in terms of income only, the center of living is not income but how they live and enjoy their lives. I think we can really help.

A big problem is that expenditures of golf are getting higher. We have to do something about the caddy because the caddy makes more money than anybody else. In Tokyo, the female caddy makes \$3,000 a month and doesn't even carry the bag. The golf bag carrier is remote-control. The golf club has to do everything possible for the caddy. One club I know is spending more than \$1 million to have caddies. It has to provide uniforms,

Continued on page 45

From China to N. America, Shark making his mark on design field

By HAL PHILLIPS

LIVERMORE, Calif. — In a year when his playing fortunes included a vindicating British Open title and another crushing playoff loss in the PGA, Greg Norman's architectural cup overfloweth.

Backed by the handling of International Management Group and the sheer force of its principal personality, Greg Norman Design has embarked on its first North American project here to complement its 16 courses in planning or under construction

in Asia-Pacific, including three in his native Australia.

The course at the Wente Bros. Vineyard here will be an upscale, public 18 nestled in the wine country 45 miles south of San Francisco. According to Chris Roderick, Norman's agent at IMG, construction at Wente Bros. will begin this spring.

All told, Norman and design partner Bob Harrison have 18 courses completed and 25 more under contract worldwide. And while he is aggressively pursuing



Greg Norman

Design's first contract in golf's largest market, the United States.

Sticklers may remember that Norman played a role in two North American designs previous to the

Wente Bros. project. With help from veteran architect Ted Robinson, Norman has received design credit for the Experience at Keole on the Hawaiian Island of Lanai and the Royal Melbourne course outside Chicago.

However, Norman and Harrison have since formed Greg Norman Design. To go with its first North American project, the firm has opened a sales and marketing office in Singapore to support the home office in Sydney, where design staff will continue

to operate.

The new sales and marketing branch has been busy. Norman's well-publicized trip to his newly completed project in Xiamen, China, last June was a public relations coup, as the affable Aussie charmed the locals with his enthusiasm for Chinese golf and willingness to tote his own baggage—including a consignment of spirits presumably provided by sponsor Johnnie Walker.

"I thought he would be concerned because he was used to flying first class," United Distillers Brand Controller Steve Foxcroft told the China Business Review. "Not at all. He helped me bring the crates of food and champagne onto the plane. He was really, really relaxed."

While the Kai Kou GC project in Xiamen is in the ground (Norman played a benefit exhibition round there in June), the as-yet-completed Hau Na CC 18 in Tianjin and future Chinese developments in general are potentially affected by the recent government crackdown on land speculation. However, Norman Design possesses a diversified portfolio. Seven Asia-Pacific nations are sites of Norman projects, including five in Indonesia.

Before Norman was involved in golf course architecture, he vigorously maintained he had no interest in the game's design side. After consulting to the Lanai project he changed his mind and, from all indications, hasn't looked back.

Oklahomans play Heckenkemper's Earlywine design

OKLAHOMACITY, Okla. — The newly constructed Earlywine Golf Course held its grand opening ceremony on Oct. 1, with Director of Golf Mike Smiley and Jim Hart, Earlywine's head superintendent, presiding.

Designed by Randy Heckenkemper, president of Planning Design Group of Tulsa, Okla., and constructed by Golf Works, Inc. of Austin, Texas, Earlywine is an upscale municipal course. The par-72 track, constructed for the Oklahoma City Golf Commission, portrays a design style that reflects traditional values while maintaining the ecological systems of the site.

With four to six tees per hole, the course can be played from 5,200 to 6,780 yards. Putting greens, averaging 6,500 square feet, consist of Pennlinks Bentgrass and have been constructed in strict accordance with U.S.G.A. recommendations. The balance of the golf course has been planted with Bermudagrass, fescue and ryegrass.

Earlywine is one of four golf facilities under the direction of the Oklahoma City Golf Commission. Planning Design Group is involved in renovation of two other city facilities.



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Q&A: Kaneda

Continued from page 43

transportation, meals, babysitters. It's crazy.

But if the economy is so poor, we have to change some things. One of the golf courses changed the policy from caddy to golf cart so it could lower the green fees almost \$100 — down to \$130. Now they're booked solid for two months.

GCN: To satisfy the craving for golf courses, are you seeing public courses built with private money?

TK: Yes, there are some, but they are very expensive.

GCN: Your society has 25 members. How many other Japanese are designing courses?

TK: Probably 20 to 25 more. But some are not fully qualified. And we tried to eliminate the professional golfer.

GCN: What percentage of new golf course design work goes to Asian architects?

TK: Probably most are by Japanese. The exceptions are Robert Trent Jones Sr. and Jr., Jack Nicklaus and Perry Dye.

GCN: But we do see more and more American architects working in the Asia-Pacific. Do developers there look at Americans first, and why wouldn't they use people from their own area?

TK: In Japan, name comes first. If they hire a big name, they think they can get more money from members. But I'm not satisfied with American architects these days. They are doing a little sloppier work. They used to do much better work. Now they are sending not-so-great shapers. American architects cannot visit Japan every two weeks. So if the shapers are wrong, nothing can be created well. I'd like to see, when the time goes by, how people appreciate these courses.

I think the time now in Japan is a very similar situation to the United States in the 1910s and 1920s. You had the George Thomas book and Mackenzie's, and other publications that promoted the knowledge of golfers.

We don't have that yet in Japan and we need it. Education is very important for leisure sports.

GCN: Golf course design and construction is quite different in Japan than the United States. How so?

TK: In Japan each section of the country has different ideas, how to control the earth-moving and so forth. It's not logical at all. It is trouble and there is almost no written code but it is left up to the bureaucrats for every section.

Environmental restrictions are so hard. We need more land now than ever before because of stupid regulations. We some-

Japanese architects organize, set priorities to improve golf

TOKYO, Japan — Aiming to elevate their profession, the country's leading golf course designers have formed the Japanese Society of Golf Course Architects (JSGCA).

Headed by the nation's most widely known architect, Sunsuke Kato, the society is open to people who have designed at least three courses that are now open and have a minimum of seven years experience.

Chairman Kato is joined by Vice Chairman Takeaki Kaneda and others in the society, which number 25. According to Kato, the Society's goals include:

- improve members' skills;

- put together professional and social exchanges with colleagues from other countries; and

- initiate activities that support golf in Japan.

Hirofumi Zaitu is executive director from the JSGCA headquarters in Minato-ku. Serving as governors are Kowashi Arai, Sho Ohkubo, Hisamitsu Ohnishi, Taizo Kawata and Mitsuaki Kobayashi. Yoshihiko Komuro and Ken Sato are the society's auditors.

Zaitu can be reached at 101 Azabu-Homes Annex, 1-2-20 Nishi-Azabu, Minato-ku, Tokyo 106; telephone 03-3403-1122; fax 03-3796-8787.

times have to build the Great Wall of China to protect the earth-moving on the golf course.

GCN: Is golf not treated fairly, do you think?

TK: We try to break up the regulations because farmers are using more pesticides than everybody else. A crop of rice in Japan is less than three percent of the world and yet they use almost 60 percent of all the chemicals of the world. They don't talk about that at all because farming is farming, but golf course is thought a sinful thing, for some people. So to do something sinful they cannot use pesticides. That is the point.

Pesticides is just on the surface. Inside, they have anti-golf goals.

GCN: Is this a rich versus poor syndrome?

TK: After the war, the Japan Golf Association volunteered to pay 1,000 yen each time we played. That money goes to the local government. It's a volunteer tax. It's now almost 10 times that much. Still, people think golfing is a rich man's game. Yet there are 4,500 driving ranges in Japan besides 2,000 courses. Golf must be one of the largest participating sports in the country.

But the politicians don't realize that. And politicians don't have any market research. They depend on the media for information.

That is another very important activity we have to do: Educate mass media people about this size, chemicals and the golf course itself. Japan is a very small country and I try to see where else we can preserve nature. But I think the golf course is the only place we can do it.

You have EPA. So has Japan. Japan's EPA made a study two years ago taking the ground water out of 144 golf courses. They took sample water to try to find out chemicals contained in the water. They found 0.0002 percent combination of all chemicals — almost none. That was amazing. Unfortunately, the Ministry of Trade and Industry and the Ministry of Forestry and Agriculture don't give a damn for that research. They act as if there were no results whatsoever.

I think the responsibility is on journalists in Japan. They try to agitate people so they sell more.

GCN: Was the Japanese Society of Golf Course Architects formed in response to this?

TK: That and other reasons. We dearly had to incorporate internationally.

GCN: Is there work in Japan on using wastewater?

TK: We don't use it in Japan, but I hope we will in the future.

GCN: What other specific problems do you have to contend with?

TK: We're not allowed to build many golf courses, and yet we have [hundreds of thousands of acres of rice paddy land] sitting idle to keep the price of rice up. Seventy-five percent of Japan is mountains and almost 65 percent of our land is forest, and what can we do about it? For housing we use only four percent. That is one reason land is so expensive.

GCN: You can only build in the mountains because they won't let you build on farmable land.

TK: Right. We are literally changing mountains to golf courses. I think that's the way we should do it, provided we pre-

serve nature. In fact, we really develop nature and try to grow the nature with the help of God's hand.

GCN: How does course design differ in Japan than the United States?

TK: The way to design golf courses has a pendulum tendency. It goes to an extreme undulation and then back to ordinary playing greens. Depending on the length of the course, I prefer undulating greens, as long as we can maintain them economically and not hold up play. Scottish links have such beautiful undulation. And, of course, Japanese are not as strong golfers as Americans. I like to build shorter courses — 6,500 or 6,700 yards long, rather than 7,000 or 7,200. Americans try to aim for 7,000 all the time.

GCN: Is the boom in Japan continuing?

TK: Right now it's in a freeze. The economy is so bad.

GCN: What about the rest of Asia?

TK: Other countries are doing much better than Japan. In Thailand and Taiwan and all those areas.

GCN: Are there any frontiers there that haven't had golf but may be open to it? Vietnam/China/India?

TK: In China, especially Hong Kong, they are mainly Japanese developers.

GCN: Are golf course builders in Asia-Pacific getting better at it?

TK: Yes. The USGA greens specifications are very helpful. We don't have good laboratories like in United States. So when Jack [Nicklaus] comes over the workers send the samples to the United States.

GCN: Is there a difference between an Indonesian developer, a Thai developer, etc.?

TK: I think they have their own good industries, mostly tin or rubber. Their rich people are really rich. In Japan, most of the rich are corporations. But the individual in Japanese is not so rich because the taxation system is so high. It is a socialist country.

GCN: What about the golf facilities in these other areas like Indonesia and Thailand?

TK: There are not too many golfers there yet. They build golf courses to attract tourists.

GCN: Are they spending more on their facilities?

TK: Labor costs are smaller in those areas than in Japan, so they can spend more. But I don't think they spend such crazy money [as Japan]. Japan did it because of what we call a bubble economy which, depending on the price of the land, causes extraordinary costs.

GCN: How do you see the future of golf in Japan?

TK: We have to lower these extraordinary costs or the future is not so bright.

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Having flirted with fame, Viola takes aim on the design market

By MARK LESLIE

From arranging Jack Nicklaus' home gardens to designing golf courses in the exotic West Indies, Lorrie Viola has made the quantum leap into golf course architecture that many young landscape architects merely dream about. Yet, after 10 years of working with the likes of Gary Player, George and Jim Fazio, and Karl Litten, Viola is still looking for the big break that will propel her into the ranks of "recognized" architects.

While the number of women in her profession can be counted on one hand, Viola has great expectations.

"I think everyone's a little leery about being a guinea pig by hiring me," said Viola, who has established L.A. Links Inc. in Farmington Hills, Mich. "It's going to take a couple of courses by myself to start, and more people may follow suit."

It's a field she wants to remain in. "I always wanted to work in design. And I wanted to develop recreational-type facilities. Golf course architecture fits perfectly," she said.

Increased public course development could open doors, she said, adding: "The guys who are charging \$500,000 and \$1 million [design fees] aren't going to really be able to get into that market. People can't afford that type of facility with those fees. So, hopefully things will start to pick up soon."

A par-3 nine-hole called Northfield in Haverhill, Mass., opened last summer. And she is busy doing a lot of planning and feasibility studies for several Michigan developers, building a course in Penn Lake (Pa.) Golf Club, and Jolly Harbour Golf Club in Antigua, West Indies, with Litten.

In Michigan, she said, "there's a lot of farmland that's inexpensive. Put up a little golf course and people line up down the road to play it."

"We're saying, 'Here's some acreage. What kind of residential development can we get in there?' I'm working as a developer almost."

Viola feels her background sets her apart. She earned a landscape architecture degree from Michigan State University in 1983. Nothing new there. But in 1992 she earned a master's degree in business administration from Florida Atlantic

University, culminating seven years of part-time study. "It made my BA more well-rounded," she said. "Going into the business world, I have a better idea how to do marketing and management, whereas landscape architecture gave me no business background whatever."

In between, she worked for golf course architect Bill Newcomb in 1983; moved to South Florida to work for two years with Nicklaus including his beloved gardens on his estate; worked another two years with George and Jim Fazio; then joined Player-Litten in 1987.

Though still working occasionally with Litten, Viola went out on her own in 1991. "Karl supported it. He provided renovation jobs he didn't want to be involved with," she said.

...

Viola, whose older sister Sherry, 36, broke into a male-dominated field as a physician before her, credits others with breaking the barrier in golf course design.

"People like Jan Beljan [of Fazio Golf Course Designers, Inc.] have opened the door for the rest of us to say, 'There is no reason we cannot do the same things the male architects have been doing all these years,'" Viola said. "Jan's had some nice support from Tom Fazio and has been able to do a lot of things because of working for him. What I'm crediting is Tom's allowing her the same opportunity as the rest of the people in his company. If your company doesn't support you equally with your male counterparts, you'll never get anywhere."

...

Viola has no "fingerprint" trait in her designs. Rather, "What I've learned is, if you can make one hole on every project stand out from the rest, you can say that's your signature hole for that course."

Most important, she said, is to "meet your client's needs. If he is a public entity, certainly you can't create a golf course that's not playable by all levels, and that's not affordable to build, maintain and operate."

"The fewer alterations you can do and still maintain a challenging golf course, the better. If you have wetlands, you have to work with and around them. A lot of people feel the wetlands issue is ridiculous and crazy and they're fighting against authorities. It's obvious, because history has shown us, there's nothing we can do about it. So address the



Lorrie Viola, right, routes one of her golf courses, which include Northfield, above, in Haverhill, Mass.



environmental issues up front and work with the environmental people."

Viola's strong suit as a designer is her land-planning skills, she said, "something a lot of other designers don't have. And that is something I understand well. I always look at that availability in case a project calls for it. Basically, you have to consider how the developer is going to make his money back... whether it's residential, a family recreation area, or something else."

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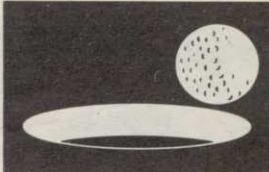
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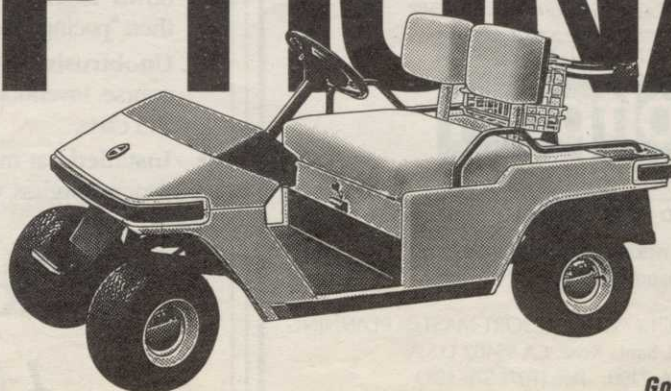
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The 10th hole at Angus Glen Golf Club in the Toronto, Ontario, suburb of Markham is expected to open in August. Designed by Doug Carrick of Don Mills, Ontario, and built by Bruce Evans Ltd., the 18-hole public facility is on 200 acres of Arthur Stollery's 700-acre dairy and racehorse farm. The courses stretches from 5,400 yards on the forward tees to 7,100 yards from championship tees. The subtle front nine, routed through the valley of Bruce Creek, traverses gently rolling land, while the back nine is more spacious and sports bolder features.

McCumber redesigning Sea Pines

HILTON HEAD ISLAND, S.C. — Sea Pines Co., Inc. has selected Mark McCumber & Associates to redesign the Sea Pines Resort Ocean Course here.

Originally designed by George Cobb and constructed in the early 1960s, the Ocean Course is one of four courses at the Sea Pines Resort which also boasts the famous Harbour Town Golf Links.

Proposed changes include upgrading the greens to U.S. Golf Association construction specifications, a new state-of-the-art irrigation system, and start-to-finish concrete cart paths.

Plans also call for enlarged tee boxes sculpted in a free form design to reinforce the desired alignment from the various tees.

McCumber plans to introduce a variety of shapes and sizes to both the putting surfaces and

greenside bunkers to add interest and challenge.

The Sea Pines Ocean Course is the second George Cobb design McCumber has been asked to remodel in the past two years.

His firm recently completed the redesign and remodeling of Gainesville (Fla.) Golf & Country Club and plans to use the same comprehensive approach at Sea Pines, incorporating traditional and classical design principles into the context of the existing physical characteristics of the course.

McCumber lead designer J. Christopher Commins, will work with Cary Corbitt, Sea Pines director of sports and retail, to implement the redesign and upgrade program which is scheduled to begin in December 1994. The owners plan to reopen the course by Labor Day 1995.

Casper, Nash collaborate in Arizona

NORTH SCOTTSDALE, Ariz. — Two-time U.S. Open winner and former Masters champion Billy Casper and course architect Greg Nash have been selected to design the new Terravita Golf Course to be built on Del Webb's new 803-acre, master-planned golf and fitness community here.

"Greg Nash and Billy Casper can design a golf course that's challenging and difficult, or softer and easier, or something in between," said Anne Mariucci, Terravita general manager and Del Webb vice president. The 18-hole championship course is scheduled for completion in late 1994.

According to Nash, with the superb quality of golf courses already in existence in north Scottsdale, he and Casper are incorporating a theme into the facility giving it its own characteristics.

"While some of the finer golf courses in north

Scottsdale have a degree of elevation in their favor," said Nash, "Terravita is positioned in the thick of lush, intense vegetation enabling us to interact and enhance the indigenous vegetation and desert wash experience into the design of our golf holes.

"We have taken full advantage of the many dry washes, majestic saguaros, native vegetation and rolling desert hills that will make Terravita a special course."

Plans call for Terravita to be a par-72, 7,115-yard target-style desert course incorporating four teeing areas into each hole. With just one water hazard, Casper and Nash have integrated extensive grass, sand and waste bunkers along with lateral hazards throughout the location of existing desert washes on 13 of the 18 holes. Hybrid bermudagrass lines the fairways, tees and roughs; the greens feature bentgrass.

Proposed wetlands regulations could break stalemate

Continued from page 43

Nov. 8 by Rep. Gerry Studds, D-Mass., who heads the House Merchant Marine Committee, and Rep. E. "Kiki" de la Garza, D-Texas, chairman of the House Agriculture Committee.

The revolutionary aspect of the bill, Kelly said, is its concept of "mitigation banking." Endorsed by the Bush and Clinton administrations, a mitigation bank puts into motion a system of wetlands debits and credits. A developer who must fill an acre of wetland on his site and has no good place to build a new one, could "buy" one or two acres from the mitigation bank on another property.

"It's exciting," said Kelly, a wetlands scientist who closely follows Congress. "Activist groups fear it is a way of buying a permit. But not if it's done properly. You'd still have to go through the guidelines and demonstrate that you intend to avoid and minimize impacts on wetlands to the greatest extent possible.

"Many times I've gotten a permit for a golf course developer to fill three or four acres of wetlands and we have to create six or eight acres elsewhere on the site. But the wetlands won't be as functional as you intended, or as valuable. So you have mitigation sites throughout the country and no one's monitoring or maintaining them, and they're not serving the function they were intended to. If you

have a properly managed mitigation bank, you have a way to ensure the wetlands will be maintained, monitored and as functional as possible."

The Army Corps of Engineers is studying mitigation banking and how it could be administered. Banks could be state by state or watershed by watershed.

...

The Studds-de la Garza bill would speed up development, mandating that the Corps makes wetland permit decisions within 60 days for areas less than one acre or the permit will be approved automatically. The Clinton Administration had proposed a 90-day period with no automatic issuance.

Under the bill, the Soil Conservation Service would be made the lead agency. Ditching, draining and other wetland activities that were exempt from the wetlands program would be regulated — supporting the administration's regulations.

Kelly believes the final wetlands manual will stand somewhere between the restrictive 1989 manual and the less-restrictive 1987 manual. The 1987 regulations are now in effect, and Kelly said: "A lot of people feel this is a good time to move forward on projects and get them done. The new manual will encompass more land than the 1987 manual."

Meanwhile, the much-ballyhooed bill introduced by Rep. Jimmy Hayes in 1992 is "in limbo," Kelly said.



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3. Number of holes:

- ☐ a. 9 holes ☐ d. 36 holes
☐ b. 18 holes ☐ e. Other, please specify _____
☐ c. 27 holes

4. My total annual maintenance budget is:

- ☐ 1. Under \$50,000 ☐ 5. \$500,000-\$749,999
☐ 2. \$50,000-\$99,999 ☐ 6. \$750,000-\$1,000,000
☐ 3. \$100,000-\$249,999 ☐ 7. Over \$1,000,000
☐ 4. \$250,000-\$499,999

6. My purchasing involvement is:

- ☐ 1. Recommend equipment for purchase
☐ 2. Specify equipment for purchase
☐ 3. Approve equipment for purchase

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Mr. ☐
 Name: Ms. ☐
 Title: _____
 Facility/Company: _____
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 City: _____ State: _____ Zip: _____
 Telephone: (____) _____ Fax: (____) _____

Circle the appropriate number for product information.

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341	342	343	344	345	346	347	348	349	350	351	352	353	354	355
356	357	358	359	360	361	362	363	364	365	366	367	368	369	370

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Merit Club's 320 acres protected as open space

GURNEE, Ill. — Bert Getz, owner of the Merit Club here, has announced the 320-acre, 21-hole golf course has been protected as permanent open space.

Getz recently granted a conservation easement to CorLands, the real estate affiliate of the non-profit Chicago-based Openlands Project. Regardless of any changes in ownership, the land will retain its natural character for perpetuity. The gently rolling course features wetland and prairie restorations, scenic open spaces and thousands of trees. It is a member of the Audubon Cooperative Sanctuary System.

"When I decided to convert our family farm into the Merit Club, the goal all along was to save the scenic and natural character of the land," said Getz. "I've owned the property for 25 years and didn't want to see it paved or roofed over. Granting a conservation easement completes my efforts to save the site's beauty for future generations."

Getz began working with CorLands to



Merit Club sets an example as open space in preservation program.

establish the easement in 1991. Details of the arrangement were finalized this fall.

"The Merit Club is a particularly exciting project for CorLands," said Tom Hahn, the organization's director. "Not only is it a model in environmentally sensitive golf course design, but it also sets an example for other owners who realize that the open space their courses provide in areas of rapid growth is invaluable."

The easement eliminates the potential for any commercial/office or residential development on the 320-acre site. Buildings may only be constructed in two designated "Maintenance" and "Club House Facility" zones (totaling 15 acres) and must be directly related to operation of the golf course. If the golf course operation ceases for any reason, the land must remain open and be allowed to revert to its natural state.

These restrictions apply even if the land is sold, thus preserving the site for perpetuity.

According to Oscar Miles, Merit Club superintendent, the easement protects several unique amenities. The course has 75 acres devoted to prairie restoration, with roughly 30 varieties of prairie plants; 30 acres of wetlands; a 30-acre oak and hickory savannah; and a two-acre nursery. It has 2,200 trees (1,400 of them were originally on the site, 800 have been planted), with another 500 trees in the nursery.

The Merit Club is a private course that has been open since 1992. It was designed by Chicago golf professional Ed Oldfield and golf course architect Robert Lohmann. In addition to an 18-hole course, the Merit Club features a unique practice area that includes three practice holes.

The Merit Club is one of many private properties CorLands has helped protect throughout metropolitan Chicago. CorLands also negotiated a conservation easement for the 190-acre, 27-hole Old Wayne Golf Course in DuPage County.

As well as helping private landowners preserve land, CorLands helps public agencies obtain land for public open space by assisting them in negotiation and innovative financing, and by serving as an interim landowner.

Endangered Species Act expected to expand protected animals, plants

Continued from page 43

species' extinction.

Baucus' proposal would also strictly curtail any independent peer reviews of federal rulings on endangered species.

For years, environmentalists have bitterly complained that these peer review panels have been nothing more than a delaying tactic used by businesses to postpone endangered species protection.

Says David Wilcove, a Washington, D.C.-based ecologist who wholeheartedly supports the Baucus proposal: "There is no doubt that species under the current act are often listed too late — rather than too soon — resulting in more expensive recoveries."

In the past, pro-business interests have always had a great fear of the Endangered Species Act because its rulings take precedence over all other environmental laws.

It's also extremely frustrating, they say, because its implementation can be so fickle and unpredictable.

"Being suddenly subject to the Endangered Species Act could be as simple as a rare butterfly suddenly showing up on your land," said

'There is no doubt that species under the current act are often listed too late — rather than too soon — resulting in more expensive recoveries.'

— Ecologist David Wilcove

Lawrence Turner, Washington, D.C.-based program manager for the EPA's Endangered Species Protection Program. "Or, if the EPA determines that an insect happens to be a pollinator of an endangered plant nearby, that could do it, too."

According to Don Knott, a senior vice president at Robert Trent Jones II in Palo Alto, Calif., the appearance of the checker spot butterfly was enough to completely destroy plans for the development of a \$10 million golf course in California's San Mateo County.

And in Washington's Puget Sound, he said, the discovery of an eagle scotched development of a \$30 million project that would have featured 36 holes and substantial tracts of housing.

"Unfortunately, there are a lot of anti-growth groups who are using the Endangered Species Act as an excuse to

stop development like these," Knott said.

Existing golf courses are also constantly at risk, pro-business interests say, since new Endangered Species rulings often place new limits — or even outright bans — on the chemicals they use to control weeds and pests.

"Right now, most herbicides are at risk under the act," said John Thorne, a researcher who tracks pest chemical regulation for the National Agricultural Chemicals Association in Washington, D.C. "And while 755 species are currently listed as endangered, we anticipate 400 more will soon be added."

In all, 3,800 new species are being considered for listing under the act, Thorne said.

Those who believe the Endangered Species Act too often coddles rare bugs at the expense of human beings can take heart in HR.1490.

It's a House bill offered up by House Rep. Bill Tauzin (D-Louisiana), that is supposed to represent a middle ground between pro-growth and anti-growth forces.

Specifically, Tauzin said his approach would rewrite the act so regulators can take more of a preventive, rather than "emergency-room" approach to species preservation.

The new rules would accomplish this, he said, by developing cooperative management agreements between government, private landowners, environmentalists, and other interested parties which would track and attempt to protect at-risk species even before they are listed as endangered.

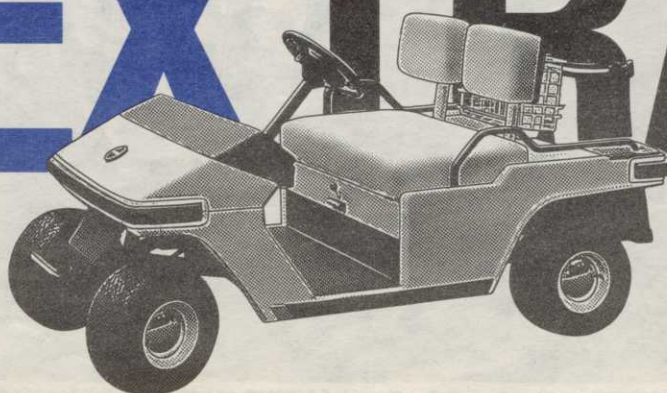
Moreover, Tauzin said he would only allow "verifiable science" to be used in classifying a species as endangered. And he wants to guarantee golf courses and other businesses the right to independent peer reviews for any proposed ruling that would stop development, or limit the methods and tools they now use to fight pests.

In essence, Tauzin said his legislative alternative would create "an Endangered Species Act that works better for all species, including people."

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Bryant firm 'comprehensive'

NEWPORT BEACH, Calif. — Bob Bryant has formed Bryant Golf services, dedicated to providing comprehensive planning, design and consulting services for golf course irrigation systems.

Bryant previously held a position as sales and marketing director for a major supplier of turf irrigation pump stations. Prior to that, as regional manager for a worldwide manufacturer of irrigation equipment, he was involved in a broad range of golf course irrigation projects, both

domestically and internationally.

Bryant holds a bachelor of science degree from

California State University-Long Beach, and served as an officer in the U.S. Marine Corps.

He is a member of the Golf Course Superintendents Association of America, National Golf Foundation, and Irrigation Association.



Bob Bryant

Flatt's Hawk Ridge will fill cry for public golf

LAKE SAINT LOUIS, Mo. — As the city of Lake Saint Louis, located here on the western edge of the Saint Louis metropolitan area, continues to grow, so does its public golf opportunities. Currently under construction is the Hawk Ridge Golf Club, an 18-hole course that can be played from 4,800 to almost 7,000 yards.

Architect Larry Flatt of Flatt Golf Services, Inc. said he has used the site's topography and natural features to achieve a design that optimizes the natural attributes of the land.

"There are no contrived or artificial holes, only holes that gently reveal themselves to the golfer and allow golfers of all skill levels to be challenged both physically and mentally," Flatt said.

According to Flatt, the turfgrasses chosen for Hawk

Ridge will permit excellent playing conditions: "The selection of creeping bentgrass varieties for all teeing areas offer a superior teeing surface, while the mixture of hybrid Bermuda and perennial ryegrasses offers year-round quality and appearance for fairways that will be accentuated by bluegrass roughs, zoysia bunker edging and facing and extensive native grass and wildflower areas," he said.

The Hawk Ridge Golf Club development will include a driving range with 50 bentgrass tees, a learning center, practice putting and chipping greens, and practice sand and grass bunkers.

CRD Campbell, Inc. of St. Louis provided engineering design for a 6.5-acre irrigation lake, storm drainage and erosion control. The general golf course contractor is Kolb Grading, Inc. of St. Charles.

Reservoir ensures water supplies

Continued from page 1

800,000 acre-feet (260 billion gallons) of the precious liquid. That will double MWD's surface storage capacity.

Obtaining environmental approvals was no easy task. Developers spent \$15.4 million to preserve 3,500 acres of native California grasslands; another \$10.5 million to set aside 2,400 acres for the endangered Stephens kangaroo rat; and preserved 9,000 hillside acres for the threatened gnatcatcher songbird and 16 other plant and animal species.

The goal of all this is to ensure Southern Californians a dependable water supply for up to six months if a major earthquake were to rupture aqueducts bringing water from Northern California and the Colorado River. It could also carry the region through at least two years of drought and the annual hot summer months. It would also replenish local groundwater basins.

MWD services portions of Ventura, Los Angeles, Orange, San Diego, Riverside and San Bernadino counties — basically the entire region from Santa Monica to San Diego.

Customers will pay for the project through an average \$2 per month extra charge on their water bills.

"Emphasizing the negatives, like earthquakes and droughts, is what got people to kick in to the program," Davies said. "It's the only way they [MWD] could sell current customers on paying for a project that will benefit future customers."

While the reservoir won't mean more plentiful or cheaper water for golf courses, Davies said, it should diminish superintendents' and developers' fears of having their water rationed.

"Let's face it. If there is trouble with water supplies, golf courses are the first to be cut off. The realization that the reservoir will make bad legislation less likely should be the good news superintendents take out of this," he said.

Architect Robert Muir Graves, designer of many California courses, said anything that alleviates fears of water shortages will help golf development. An 18-hole golf course, in fact, is among the many amenities planned along the reservoir's shore.

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Leslie comment

Continued from page 10

Scots (as in Scott City, Kan., CC); Black (as in Diamond and Butte Ranch); Red (as in Red Run GC in Royal Oak, Mich.); white (as in Whiteman AFB GC in Sedalia, Mo. and Whiteface Inn & GC in Lake Placid, N.Y.)

- Similarly, Apache CC (Mesa, Ariz.) has to go, along with Comanche, Cherokee, Chesapeake and all the others. (No one has named my Passamaquoddy tribe, so I'm not offended by all this.)

- Meanwhile, does Alamo CC in San Antonio offend descendants of the Alamo massacre?

- What about Adios CC (Deerfield Beach, Fla.)? Is it an offense to Spanish-speaking peoples?

- Apollo Beach (Fla.) Golf and Sea Club and Hercules CC (Wilmington, Del.) may offend bodybuilders and/or Greek mythology buffs.

- Now, there are two Army-Navy Country Clubs, one in Arlington and one in Fairfax, Va. Should we take out Army because Navy is offended to be linked in the same breath, or keep Army in because it would be offended at being removed? Or perhaps since Minuteman is offensive to some, Army and Navy are, too. And, therefore, the courses should be called Protectors CC.

- Feminists must be upset by Manley's GC (Albion, Mich.) and Mister Golf Golf Course (Gilbertsville, Ky.). But their male counterparts (are there any?) would be horrified at Ladies GC of Toronto. How dare Stanley Thompson design such a place?

- Can you imagine the insensitivity of naming a course Bald Head Island (N.C.) CC? All the bald-headed men in America should picket that place, George Cobb design or not.

- People with sore feet might picket Ballybunion.

- Vertically challenged people should be upset at Big Oaks, Big One, Big Pine, Big Run, Big Sky, etc.

- Coffin Muni (in Indianapolis) must be an affront to any bereaved people in that area.

- Just as isolationists must be offended by Intercontinental GC in Germany, so One Worlders must be terribly upset at Island Golf Links (Garden City, N.Y.), because "no man is an island."

- Desert Aire CC (Palmdale, Calif.) and Harbour Pointe (New Bern, N.C., and Everett, Wash.) must terribly upset every English teacher in America, or virtually anyone concerned with correct spelling.

- Environmentalists must be upset at any mention of an animal possibly being able to live on a golf course. So, please reconsider the names at Falcon's Lair GC (Walhalla, S.C.), Flamingo Island Club (Naples, Fla.), Fox Run GCs (several), Goose Creek (Leesburg, Va.) Deer, Eagle, Bear, Beaver, Otter — just any animal name.

- Homosexuals just gotta despise

Gay Hill CC (Galax, Va.) and Fairyland CC (Lookout Mountain, Ga.).

- Those plagued with depression must be stung by names like Happy Acres CC (Webster, N.Y.) and Happy Hollow Club (Omaha, Neb.).

- Those among us who get easily lost must hate Hidden Valley CCs and Hidden Lakes CCs.

- Those who get easily scared must be frightened by Jekyll-Hyde GC (Mulberry, Fla.)

- And workaholics don't have the time to picket Lazy H GC (California), Recreation GC (Healdton, Okla.), or even Sleepy Hole Muni (Portsmouth, Va.). But

lazy people certainly have time to hang out at Rush Golf Course (Dublin, Ireland)

- The illiterate might boycott and picket Limerick GC in Ireland.

- Ex-convicts probably won't picket Leavenworth (Kan.) CC.

- Hell's Point GC (Virginia Beach, Va.) must scare the tar out of the unsaved. And they might not want to be reminded of their future in hell by seeing places called Paradise Island, Paradise Valley, and Paradise this-or-that, because they know they'll never get there.

- People who hate to floss must picket Flossmoor CC — indeed, picket the entire community of

Flossmoor, Ill.

Heck, the monicker "Country Club" probably exacerbates feelings of hostility any poor person has for anyone who could afford to take a step into a country club. "Golf" is obviously an affront to the Sierra Club. And "Course" must upset many students and former students, flunkee or not. How about Feathery Track A, Feathery Track B12, etc.?

We could name all golf courses according to the communities they are in. Cardville North. Cardville South. Cardville West... Cardville One. Cardville Two...

But, what about those who are opposed to gambling, which is done

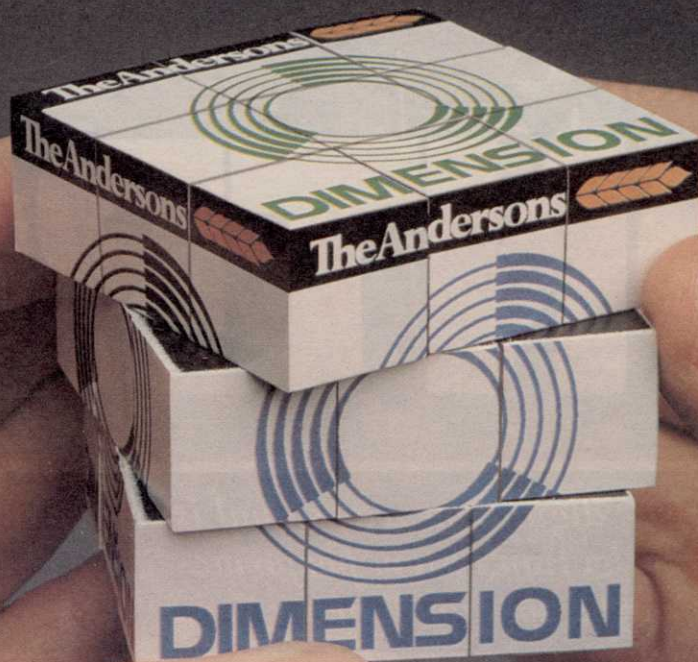
with cards? Maybe we should change the names of the communities. How about if we just use letters and numbers. They are pretty neutral. Cardville could become C and its courses could be C1, C2, C3, etc., etc.

But what if someone is offended by the letter A, the sign for anarchy and adultery? ... I give up. Someone else can try to solve this mess (sorry, janitors — er-r, sanitary engineers).

Is the answer in: The Natural GC (Gaylord, Mich.)? Or New GC in Deauville, France?

Maybe we could just make up new words for names: Okefenokee (oops, that's taken).

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The Quarry: One-of-a-kind course turns wasteland into textbook golf

Continued from page 43

San Antonio is becoming a resort destination. And there is strong growth in the golf market here. It's like Southern California and Florida: We can play year-round."

"It's going to be an emotional golf course," said Foster, The Quarry's architect. "Very fun."

"When I went through the design I said this course could be striking. But when it started materializing, our clients saw it was better than any of us had

thought."

The Quarry could be this region's answer to Florida's Tom Fazio-designed Black Diamond, famous for its several holes in a quarry.

"I don't have the adjectives to describe it," said Brent Wadsworth, owner of the course's builder, Wadsworth Golf Construction Co. "It's extremely dramatic — exciting, like nothing I've seen before in golf."

A five-minute ride from the

Riverwalk, The Quarry was built on 165 acres. About 85 acres (and nine holes) are within the quarry, and the clubhouse sits atop it, looking down on the entire back nine.

"The long holes are long and the short ones are short and intended to create different golf scenarios... do-or-dies, a big mix," Foster said. "There are four par-4s that play over 455 yards."

Foster said The Quarry, a par-71 with four sets of tees

playing 6,780 yards from the tips, has "the qualities of a resort course. If you're a resort player you don't want to play something like you've played before. It's like no other golf course."

One extraordinary characteristic is that a pit in the quarry contains the aquifer for the drinking water supply for San Antonio. As the aquifer rises, so does the water elevation in the quarry floor. The pit is filled nine months and

dry for three months.

Wadsworth pointed to the "magnificent" waterfalls created by designing the irrigation runoff to flow over the quarry walls.

Foster, who intends to define the character of his designs, said: "Part of the charm of the older golf courses is that they have their own identity. On our courses now, we're talking with our clients about the kind of course they want and its unique qualities. We're trying to name the course and its holes along the same lines. The Quarry ties in well. For instance, the 17th, called Reload, is dynamite, quarry- and golf-related, appropriately named because there's a huge canyon to the left and if you hit the ball there you reload."

"On the 12th hole, Alcatraz, rocks jut out into the water like at the prison... The 13th is a wonderful 325-yard par-4 we call Escape from Alcatraz. You must hit your tee shot over water to reach the fairway. It's a terrifying and exciting shot right after the Alcatraz hole."

The Wall hole at No. 15 plays 520 yards. The tee, with rock piles to the left and right, sits 45 feet above the landing area. The green rests at the foot of a 45-foot-high wall. "It's such an overwhelming element and the green is so subtle it doesn't compete with the wall," Foster said. "I haven't seen someone use the wall this way and I wanted to use it in a different way."

Every shot, he said, creates "a high level of energy."

Foster is also excited about the front nine — a sensitive site where the dust from the quarry was dumped.

"It has the qualities of landfill. But that's what makes this course so different," he said. "The landfill contains wonderful moves and creates some unique golf holes. Holes 3, 4 and 5 have great creek and lake-type features. It has its own environment. When you play the quarry there is one feel. Then it goes into another type, then rolls into another kind."

...

Meanwhile, Foster and Associates has secured the design contract for its first international course in South America. The project is a destination resort north of Santiago, Chile, called Las Tacas. Situated at the base of the Andes Mountains, the course will overlook parts of the Pacific Ocean.

The firm, based here in Phoenix, has also been retained to renovate the exclusive Paradise Valley Country Club in Paradise Valley, Ariz. Designed in 1953 by Lawrence Hughes, the course is home to many prominent members of the golf and business communities in Arizona.

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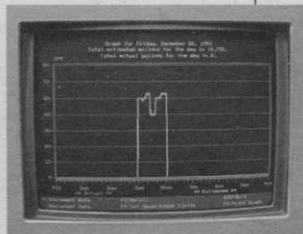
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Best of the Best

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Best Maintained Course on LPGA Tour

Mission, accomplished

By HAL PHILLIPS

PALMS SPRINGS, Calif. — Members of the Ladies Professional Golf Association (LPGA), like any touring pros, are choosy about course conditioning. When you play the nation's top tracks week after week, your standards are understandably high.

However, the condition of Mission Hills Country Club — site of the LPGA Dinah Shore Classic — met or exceeded those lofty standards. In an exclusive *Golf Course News* poll of Tour players, Mission Hills was named the Best Maintained Course on the LPGA Tour for 1993.

"We try to keep everybody happy," said Director of Maintenance

David Johnson. "We overseed in October, so by March, the course is in primo condition."

Golf Course News surveyed the 100 LPGA Tour players who played at least 22 events during the 1993 season. The Old Course at Mission Hills received 54 percent of the votes cast, while Columbia Edgewater Country Club in Portland, Ore. — home to the Ping-Cellular One LPGA Golf Championship — and Dupont Country Club in Wilmington, Del. — home to the McDonald's LPGA Championship — finished second, in a near dead heat.

The players heaped praise on the condition of Mission Hills.

Continued on page 57



LPGA Tour players chose Mission Hills' Old Course, home to the Dinah Shore Classic, as the Tour's best maintained course.

R.M. Graves turns 18.9 handicap to his advantage

By PETER BLAIS

Few golf course architects would have you know they can't consistently nail the green from 200 yards with an easy 3-iron or drain any putt within 15 feet.

Not so Robert Muir Graves.

The 63-year-old, Walnut Creek, Calif.-based designer is proud of his 18.9 handicap.

"In fact, it's come down three to four strokes in the past year," he said. "I've backed off the business a bit lately and spent more time on the golf course. I've been practicing quite a bit. I'll bet there are three or four guys in the ASGCA [American Society of Golf Course Architects] I could even whip now."

Not that you'd ever get them to admit it.

In the competitive world of golf course design, many of the craft's practitioners believe potential clients expect them to be able to stay within a few strokes of Jack Nicklaus. If the truth were known, they fear it might cost them business.

Graves doesn't buy it. He simply laughed when informed he had received more votes than anyone else from his peers in a recent *Golf Course News* survey asking who was the *worst* golfer among professionally trained golf course architects.

If anything, being an average golfer has been a selling point Graves has used to bolster business.

"Thirty years ago, I graphed

Continued on page 55



Glenmore Country Club, a John LaFoy design in Charlottesville Va., was constructed by Landscapes Unlimited and opened in 1992.

Builder of the Year

Two in a row for Landscapes

By MARK LESLIE

LINCOLN, Neb. — Dedication to high-quality construction and commitment to pleasing its clients have propelled Landscapes Unlimited, Inc. to its second consecutive distinction as Builder of the Year.

In a poll of architects conducted by *Golf Course News*, Landscapes Unlimited edged out a handful of nominees for the honor, including Wadsworth Golf Construction Co., which won the award the first three years before Landscapes took it last year. Other multiple nominees were Guettler & Sons, Inc. of Fort Pierce, Fla.; Paul Clute & Associates, Inc. of Hartland, Mich.; Central Florida Turf of Avon Park, Fla.; Fairway Construction of Temecula, Calif.; American Golf Course Construction, Inc. of Plano, Texas; and Pavelec Brothers Golf Course Construction of Nutley, N.J.

Selection of the winner was based on surveys of clients, who were asked to rate construction based on quality, budget, deadlines, personnel, and the end result.

"This company is the best in the industry from top to bottom,"

Continued on page 55

Architect of the Year

Fazio team, led by Banfield, lays claim to architect honors

By MARK LESLIE

One for all and all for one. That's the maxim at Tom Fazio's golf design company, where Fazio himself and Andy Banfield are the architects' and builders' choices as 1993's Best Architect and Best Associate, respectively.

Fazio laid claim to Best Architect for the fifth time in the award's five-year life, winning more than 20 percent of the votes cast in the annual *Golf Course News* poll.

This was the only year the poll has asked who is the best architect who is not a principal in his/her own firm. The strength of Fazio's design team was illustrated by nearly 20 percent of the ballots being cast for Banfield and 40 percent naming Banfield, Tom Marzolf, Dennis Wise or Jan

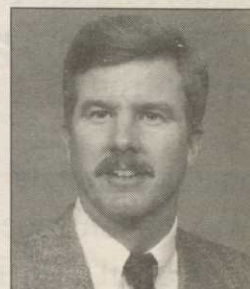
Beljan — all Fazio associates.

"The secret of my success is my staff. They're all so different and it's not unusual for me to have them all involved in one project," Fazio said. "Our main strength is we have the talent and can spend the time to have detail on each project. They have enthusiasm, energy and desire, and they work hard at it."

"It's important for me to have variety. If you have different opinions and ideas, you get that."

"There are so many good people with our company," said Banfield, who joined the firm 20 years ago when George Fazio was the lead architect. "Tom says we have to do something unique and creative, to try to create memorability on a

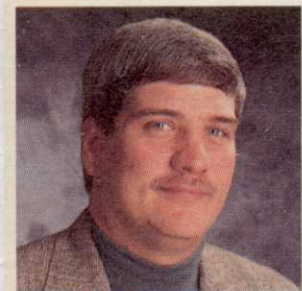
Continued on page 56



The Tom Fazio team of architects is loaded with talented lieutenants, including (clockwise from top right), Tom Marzolf, Dennis Wise, Jan Beljan, Andy Banfield and the big boss, Tom Fazio.



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Superintendent,
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That's certainly true for Thom Martinek, course superintendent at the 80-year-old Shaker Heights Country Club located in that prestigious neighborhood near Cleveland, OH. He's used a seven- to ten-day schedule of Daconil 2787 Flowable Fungicide at low label rates for more than

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Seven-day schedule

"We've been successful with this program for years," Thom says. "Daconil 2787 is a good contact fungicide, but with daily mowing, frequent irrigation and that sort of thing, you're bound to lose some of it. So, from a preventive standpoint, I like to use a seven-day schedule at the very lightest end of the recommended rates." In warm, wet weather, though, when

disease pressure is highest, Thom uses Daconil 2787 at higher label rates, or tank mixes with systemics.

While the course at Shaker Heights Country Club is short — just 6300 yards — it has a reputation for tough, tight holes and fast, subtle, undulating greens. With bentgrass turf throughout, Thom knows he can't take shortcuts on maintenance.

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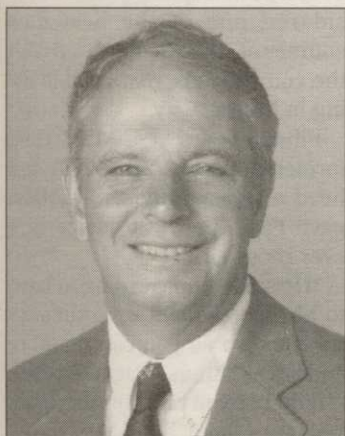


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Best of the Best



Architect Robert Muir Graves

Robert M. Graves

Continued from page 53

11,865 California golfers by handicap," he said. "The line rose steadily from the scratch golfer end, peaked in the 14-to-15 range, then descended slowly into the 20s. Two-thirds had handicaps 15 or higher.

"Many developers realize the difficulty of taking your own game out of the design process. It's hard for a top golfer not to make design decisions that match his game. The Tour won't be coming to your course every week. Most of the time it's normal guys with average games. That's the way I play. I design courses that fill their needs."

Added fellow architect Geoffrey Cornish: "From the blue tees, a Bob Graves' course is a challenge for a golfer of any ability. And from the regular tees, his courses provide a a relaxing, enjoyable round. That's what 80 percent of the golfers are looking for and Bob understands that."

Has Graves filled the average golfers needs successfully? According to Cornish's book *The Architects of Golf*, Graves has designed, remodeled or consulted on 650 courses since 1959.

Enough said.

...

On the opposite end of the spectrum, Dye family patriarch Pete outpulled the opposition as the top architect golfer. Son P.B. also received a vote.

The elder Dye's closest competition came from Dan Maples and Steve Smyers.

Others receiving best golfer votes included Ken Dye (no relation to Pete), Andy Banfield, Dana Fry, James Lipe, Don Knott, Larry Mancour, Harrison Minchew, Andy Raugust, Robert Weed, Bill Robinson, Ted Robinson, Ken Killian, Jeff Myers, Desmond Muirhead, Larry Packard, Tom Pearson, Russell Talley, Phil Wogan and Rodney Wright.

GOLF COURSE NEWS

Landscapes

Continued from page 53

volunteered Roger Watson of Carolinas Golf, for whom Kubly built Glen Laurel Golf Course, which opened last July in Raleigh, N.C.

"Glenmaura National [Golf Club in Scranton, Pa.] was the toughest job to build that I ever have been involved in, and they [Landscapes Unlimited] finished the project on time. The quality of people they have working for them is excellent," said senior designer Dana Fry of Hurdzan Design Group.

Kubly attributed his firm's success to his personnel and to the fact that "we haven't become dependent on any one regional economy."

"My people are devoted. They all like and love what they do. They're committed to quality and to creating the best golf courses they can because they have a love of the game. If they aren't committed that way, they don't stay long with us," he said.

"We're also doing a full range of projects — some public golf courses, some high-end, privately owned publics, as well as 18-hole renovations," he said. "And we're seeing some of the highest end country club projects being done."

Landscapes Unlimited's work is overseen by Kubly and four project managers — Kirk Kyster, Mike Oliphant, Roy Wilson and Roger Hodges. Kyster and Hodges have backgrounds and

degrees in construction management; Wilson has a degree in business; and Oliphant is former greens superintendent.

Working out of the Lincoln office, each is assigned two or three projects and works closely with the on-site superintendents and owners. "A lot of our construction superintendents are past greens superintendents," Kubly said.

Indeed, Oklahoma State University golf coach Mike Holder, who arranged for Kubly to build his new university course, termed that job's supervisor, Jim Barger, "All World."

...

Kubly sees two new trends in golf course construction:

- Developers "want us to be

involved in more things like water falls, fancy planting and a lot of sod work."

- And owners are "more and more concerned with getting their courses open faster and having them in terrific condition the day they open."

"They have put a major emphasis on quality," he said. "I think that's a reason why we've been able to stay busy, because we're very quality-oriented."

Kubly noted one project in which 125 acres of sod will be put down, and another on which "we're going to sod greens, tees and fairways — 105 acres — in Aspen. "In areas where there's such a short growing season, it's important to get it open for the membership."

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Fazio Golf Designs: Personnel checklist

HENDERSONVILLE, N.C. — A 10-person team that works alongside, not under, one another — that describes Fazio Golf Designers Inc. according to Tom Fazio.

"These 10 people all get along. It doesn't matter who we match, they all work together and get the job done. They all worked at different stages and different levels — alongside rather than under each other," Fazio said.

Fazio Design's sheer numbers as well as talent have allowed the company to grass 5-1/2 golf courses in 1993, including the Canyon Course at Pelican Hill in

Newport Beach, Calif.; Cowboy Golf Course at Oklahoma State University; Glen Oaks in Des Moines, Iowa; Old Overton Club in Birmingham, Ala.; and an addition to Pelican's Nest.

The Fazio Ten are:

Andy Banfield — The man behind award-winning Shadow Creek in Las Vegas, Nev., he was a key player in the design of Pelican Hill and is now involved with The Quarry at La Quinta, Calif.

Jan Beljan — A member of Fazio Design for 12 years and one of two women in the American Society of Golf Course Architects, she's been involved with PGA

National, Pelican's Nest, and Gateway in Ft. Myers.

Blake Bickford — Starting as a shaper a half dozen years ago, he was the key person building the Short Course at Pine Valley in Clementon, N.J., finished the Pine Barrens Course at World Woods in Homasasa Springs, Fla., and is now at Galloway National at Atlantic City.

Lou Cappelli — A shaper since 1962 for George and then Tom Fazio, he has worked on most of the company's courses. "A designer with a bulldozer," Fazio called him.

Charlie Feeley — With the

firm 20 years, in Florida most of that time, he was involved with Pelican's Nest and PGA National.

Tom Griswold — Joined the company about 10 years ago, he has been involved recently on the Old Overton Club with Jerry Pate, on Uwharrie Point in Denton, N.C., along with Marzolf, and on the new course in Atlanta called White Columns Plantation for Fuji Development Group.

Tom Marzolf — With Fazio for 10 years, he was involved with Wade Hampton in Cashiers, N.C., Uwharrie Point, Caves Valley in Baltimore, and Champion Hills in Hendersonville, N.C.

Steve Masiak — With the company since PGA National was built 1980-81, he is a former shaper

who started out as a superintendent and has worked on the Pine Valley Short Course, Hammock Dunes in Palm Coast, Fla., Black Diamond Ranch in Lecanto, Fla., Lake Nona in Orlando, Fla. and John's Island West in Vero Beach, Fla.

Kevin Sutherland — A Wadsworth Golf Course Construction Co. project manager for a decade, this Michigan native joined Fazio four years ago.

Dennis Wise — Along with Sutherland, he was in charge of Treetops in Gaylord, Mich., considered one of the best new courses of 1993. He has been with the company six years and is living in Kansas City.

Fifteen years ago, Mark Cox, former director of the PGA and head of Wilson Sporting Goods, gave Fazio the best advice he's ever received.

"He said, 'You're going to have to hire people and train them to do your job so you can do more and better things,' Fazio recalled. 'I didn't accept his thoughts then. But now I thank him all the time.'"

Fazio, Banfield

Continued from page 53

golf course. There's enough influence so we don't have a mold."

The greatness of the team "all goes back to Tom Fazio," said Marzolf, who finished second in the balloting for top associate. "He's such a good teacher. Over the years he's spent a lot of individual time with us and brought us along."

Before dirt is turned, Fazio, Banfield and their colleagues spend a lot of time studying a site to place golf holes where they fit in naturally.

"Our goal is not to move a lot of dirt or regrade. Our goal is to walk the site and find the best 18 holes that exist there. That is a very basic philosophy but it's the main theme of what we're about. And people seem to like our golf courses because they look like they've always been there," said Marzolf. "That's Tom Fazio's design philosophy and it's the one thing that ties all the design associates together as a team. We all believe strongly that this is the way to do the work."

"Tom's a genius. He's the best alive today in routing golf holes. That's the secret to his year-in and year-out success: We're putting holes in the right locations."

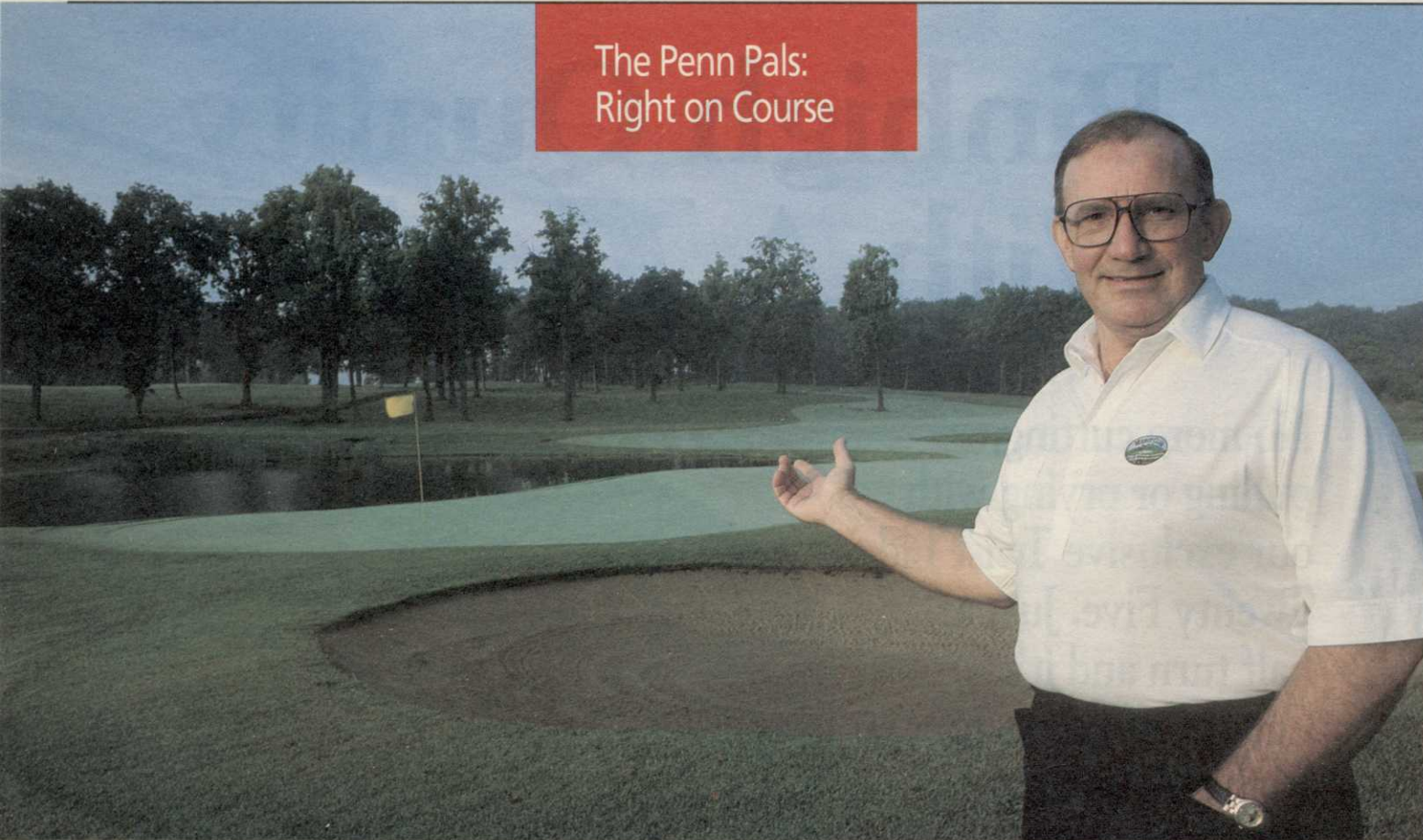
For Banfield, his two decades in design fulfill a dream that began when he was a teen-ager cad-dying and playing junior golf in Connecticut, playing such great courses as Winged Foot, The Stanwich Club and National Golf Links. After earning a degree in mining engineering and being unable to find a job in land reclamation, he decided he could design better courses than the new ones he was seeing. Plus, "I wanted a job I could do as an individual."

Cal Brown of *Golf Digest* in Norwalk, Conn., suggested he contact Robert Trent Jones, Pete Dye or George and Tom Fazio.

Continued on next page

GOLF COURSE NEWS

The Penn Pals: Right on Course



Oscar Miles, CGCS, overlooks the 6th hole at the Merit Club, Libertyville, Illinois.

PennLinks Greens. Penneagle Fairways. Penncross Tees. The 'Penn Pals' Are Picture Perfect At The Merit Club.

Superintendent Oscar Miles, with Club President Ed Oldfield's affirmation, specified all the grassing of this Robert M. Lohmann designed club. With a clean canvas and open palette, Oscar began with PennLinks greens, Penneagle fairways and Penncross tees, framing them with bluegrass/fine fescue/wildflower and prairiegrass roughs. You couldn't paint a more attractive picture.

Oscar chose PennLinks greens for its rapid establishment, marvelous root system, a crown and stolons that take topdressing, upright, grainless qualities and good, consistent color ... the best putting surface available.

He selected Penncross for tees because they recover from divot scars more quickly.

And the Penneagle fairways? Oscar chose Penneagle for its upright growth, reduced thatch development, low nitrogen requirement and good drought and dollar spot resistance. He seeded at 80 lbs. per acre for immediate turf development and

erosion control. The fairways were playable in 8 weeks. Oscar's crew usually mows fairways in the evening and leaves the clippings; recycling nutrients while reducing removal and fertilizer costs.

Oscar articulates it best: "The unique coloring of the 'Penn Pals' contrasts beautifully with the grassing around them, defining the target areas. And with the dew on the bents early in the morning, they're a marvelous work of art."

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Best of the Best

Banfield honored

Continued from previous page

His first five years with Fazio, he followed famed shaper Lou Cappelli around "like a puppy dog," learning how to box off tees and build fairways, all the while raking bunkers — anything and everything that needed doing.

But the hook, Banfield said, was when he climbed atop a bulldozer after work hours "just to get the experience and to create.

"It was a tool to create art. And when I started doing that, I was hooked," Banfield said. "I gradually got to where I was doing more of it. And, finally, they trusted me to shape Jupiter Hills."

What sets him apart from other lead designers?

"Working for Tom Fazio — no question about it," Banfield said. "That also means the entire organization."

From the Fazios, he learned shot values and how to devise playable courses for all golfers. From Cappelli, he learned the angling of greens and placement of bunkers. Basically, it all means "doing solid golf course design — a blend of playability and challenge," he said.

Banfield's key aim, he said, is "making the project look as natural as possible. We work at producing a golfing environment. Tom always wants us to be aware of the feel of the project. As a designer you can frame holes, use vistas and experiences. We try to create as much peacefulness and solitude as well as excitement as possible on a piece of property."

His favorite courses he has worked on? Shadow Creek in Las Vegas, The Vintage Club in Indian Wells, Calif., and Wild Dunes in Isle of Palms, S.C.

Banfield's strength, Fazio said, is "certainly imagination in all aspects, certainly detail, and a real love for the game of golf. Green shaping and bunkering are only a minor part of it.

"If Andy has one weakness it would be that he is hard-core about quality golf. Whether it is development issues or other constraints, he won't back away from quality golf.

"Working with team members, planners and other architects, Andy may have the reputation of being too hard-nosed and self-centered on golf. Some of the contractors will say they love him and he's talented, but he's always changing his mind.

"I call it the perfectionist looking to get more detail, to get it right."

Continued from page 53

According to Shirley Furlong, its greens are "always pure as the driven snow." Colleen Walker said, "The fairways are cut close; rough is cut all the same height; and greens are smooth and quick."

Michelle McGann couldn't say enough: "Every part of the course was in excellent shape!"

While Mission Hills is a 54-hole resort, the Old Course — designed by Desmond Muirhead — is exclusive home to the Dinah Shore and handles 50,000 rounds a year.

Johnson oversees maintenance

at all three courses, but he credits Old Course Foreman Assistant Pablo Lua with day-to-day upkeep. Johnson also made sure to credit his mechanic, Raul Rodriguez, who keeps the operation running smoothly.

Johnson maintains he doesn't do anything that special to prepare the course for tournament play: Narrow the fairways a bit, speed up the greens, lower the fairways, etc.

"We stripe up the fairways starting about four weeks in advance," he said. "The hardest thing is preparing for the unforeseen: A wind storm, rain

storm or a hydraulic leak on the 18th green.

"We had a hydraulic leak a few years back, but it was on the fourth hole — luckily, not a TV hole. We also have a lot of geese, ducks and mudhens who love to eat ryegrass."

Johnson is something of a *wunderkind*: just 34 years old and director of maintenance at the permanent home of an LPGA Grand Slam event. He's from Sheboygan, Mich., and matriculated to the highly respected turfgrass management program at Michigan State.

After graduating in 1985, he

took an assistant's job at Inverness in Toledo before accepting a similar position at Mission Hills' Palmer course. He was named head superintendent at the Old Course in 1988 and director of maintenance in 1991.

There are still mountains to climb, however.

"I would like to have a U.S. Open someday: men's, women's, senior — I don't care," he explained. "I'd really like to work with the USGA on a tournament. I enjoy the challenge of hosting a regular tournament, though. It makes every year exciting."

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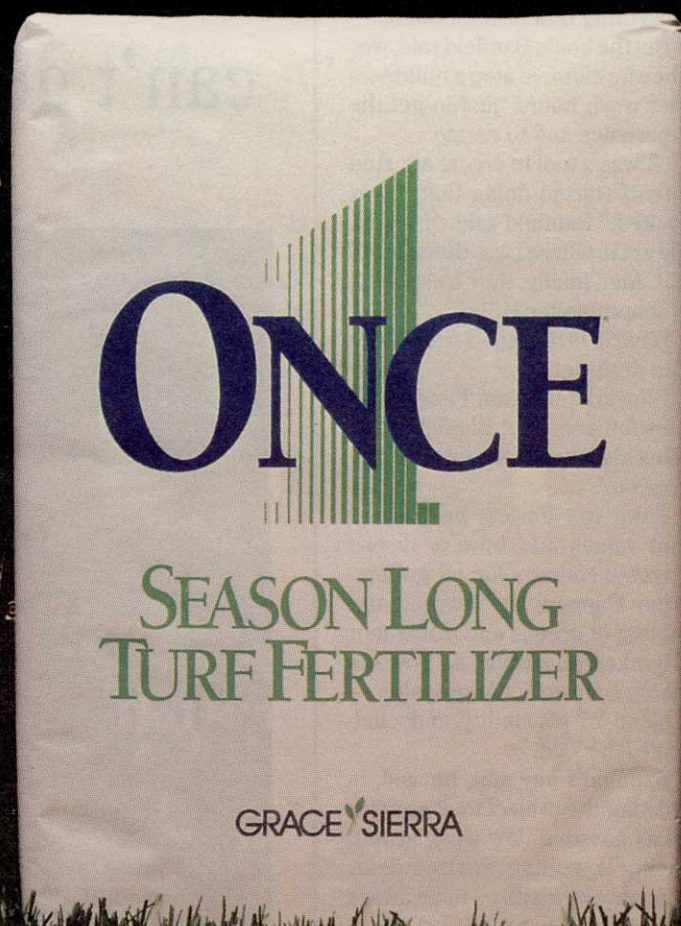
The Spirit PT has a lot to offer. It features a quiet, Honda 5.5 hp gasoline-powered engine. It handles up to 600 lbs. at up to 10 mph. Its rugged and roomy cargo box has a wide, low ramp-type tailgate for fast and easy loading and

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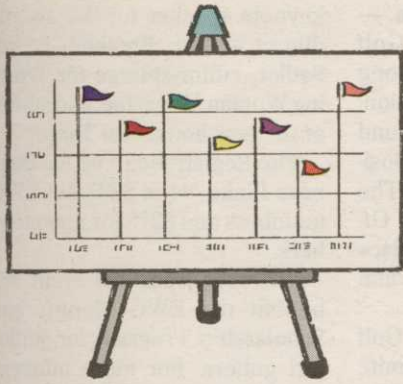
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BRIEFS



NCA NAMES WEGRZYN VP

WASHINGTON, D.C. — The National Club Association has selected Susan Wegrzyn as executive vice president.



Susan Wegrzyn

"Her appointment demonstrates the association's continuing commitment to member service," said NCA President James Maser. Wegrzyn most recently was assistant executive

director of membership and marketing serves at the American Dental Association in Chicago. Prior to ADA, she held a similar post with the American Bar Association.

NGP ACQUIRES THIRD PROPERTY

PALM SPRINGS, Calif. — National Golf Properties, Inc. has acquired Mesquite Golf & Country Club here. The property was acquired from Morry California, Inc. for approximately \$6,200,000 and marks National Golf Properties' third acquisition since its initial public offering last August. Located in the heart of Palm Springs, Mesquite is a daily-fee course with easy access to the airport, convention center and numerous local hotels. It opened in 1985 and has won awards from the Desert Beautification Society for the past two years.

PGA TO BUY VALHALLA

PALM BEACH GARDENS, Fla. — The Professional Golfers Association of America is considering buying Valhalla Golf Club in Louisville, Ky. Valhalla will be the site of the 1996 PGA Championship and is rated 36th among America's top 100 courses by *Golf Digest*. The PGA's option to purchase the course was finalized Nov. 8.

STUBBS TO LEAD BOULDERS

CAREFREE, Ariz. — Head professional Stuart Jay Stubbs has been named director of golf at The Boulders Resort Club. He replaces Robert Irving, who is leaving to play on the Senior PGA Tour. Stubbs will supervise the golf program and both 18-hole courses. He has been at the Boulders since 1986. He previously worked at Edina and Interlachen Country Clubs in suburban Minneapolis and SentryWorld Sports Center in Stevens Point, Wis.

UNIVERSITY RIDGE PROMOTES URBEN

MADISON, Wis. — Golf pro Mike Urben has been named director of golf at University Ridge. Urben has served as golf professional since its opening in 1991. He was formerly golf professional at Desert Mountain in Scottsdale, Arizona.

Palmer Management plans major expansion

Pacific Golf mgmt. contributes \$50 million acquisition war chest

By PETER BLAIS

ORLANDO, Fla. — Travelers stay at a Marriott, Hilton, Hyatt or Ritz Carlton because they know what type of accommodations they can expect.

Golfers show a preference for a Pete Dye, Tom Fazio, Art Hills or Jack Nicklaus layout because they know the type of course they are likely to encounter.

But will those same golfers make a special effort to play a particular course because it's managed by a ClubCorp, American Golf Corp., Kemper Sports, Fairways Group or Arnold Palmer Golf Management Co?

Not yet, but that day is coming, according to Palmer President Peter

Nanula.

"The golf industry has been underbuilt, until recently," Nanula explained. "But as soon as there is the slightest hint of an oversupply of courses, golfers will become more discriminating. Then the brand name of the management company will become important."

Nanula sees that day fast approaching. Florida is largely overbuilt already, he said. If the current new course construction pace continues, other parts of the country will become oversaturated with golf facilities over the next five to 10 years, he predicted.

"The growth rate in demand for golf courses will slow," Nanula said. "Instead



Peter Nanula

of the 5 to 10 percent annual growth we saw in the 1980s, it will be closer to 3 to 5 percent. That's still a good, solid underlying growth figure, especially considering the

population is increasing at just a 1 percent annual rate.

"But it also means the excess demand for golf will be sucked up. There will be a shakeout and some good acquisition deals will be available on golf courses."

Palmer Management is poised to take advantage of those opportunities, Nanula said.

Continued on page 61

New Kiawah Island management to undertake extensive renovations

By PETER BLAIS

KIAWAH ISLAND, S.C. — Pete Dye, Tom Fazio, Jack Nicklaus and Gary Player will all return to Kiawah Island over the next few years to help renovate their creations as part of the \$15 million facelift planned by the Charleston-area resort's new owners.

"We want to make Kiawah the very best resort that it can be," said Prem Devada, the new managing director of Kiawah Island Resort.

AMF Inc. took control of the former Landmark Land Co. property in late October. Subsidiary Kiawah Island Inn Co. will manage the resort's amenities, including the Inn and Conference Center, two tennis centers, restaurants, food and beverage services, resort rental management and three AMF-owned courses — Osprey Point (Fazio), Turtle Point (Nicklaus) and Marsh Point (Player).

AMF entered a joint ownership agreement with the Audubon Society of New York for The Ocean Course (Dye).

"Dye was here recently [mid-November]. He's going to help us take The Ocean Course to a higher level of maintenance," said Chris Cole, project director for golf and tennis. He will oversee the changes



An alligator patrols Kiawah's Ocean Course. The creature became famous during the '91 Ryder Cup.

to the three courses.

The Ocean Course is the newest and best known Kiawah layout. It opened in 1991 and hosted that year's Ryder Cup. Cole plans to clean out some vegetation to make the course more playable. A walking policy at the currently-carts-only course, along with a first-class caddy program, should be in place by March, he added.

Being the newest of the four layouts, The Ocean Course is in the least need of updating, Cole said. The effects of financially strapped Landmark's final years are more visible at Marsh Point (opened in

Continued on page 63

Owners group honors Dedman

DALLAS — Robert Dedman, chairman and chief executive officer of Club Corporation International (ClubCorp), will receive the Award of Merit at a banquet to be held in his honor Feb. 9, at the Four Seasons Resort here.

The Award of Merit is given annually to recognize an individual or organization who have made a significant and long-term contribution to the game of golf and who have made the game more popular. This banquet is a part of the NGCOA Annual Conference.

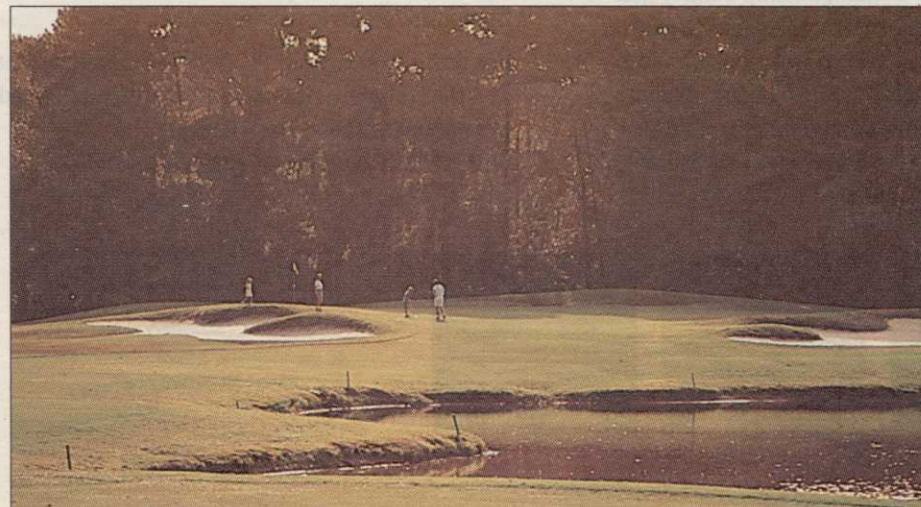
ClubCorp is the holding company for several highly successful golf, hospitality, and financial services companies. ClubCorp's subsidiaries include 36-year-old Club Corporation of America, Club Resorts Inc. and GolfCorp.

In 1957, Robert Dedman, Sr. was convinced that the golf and country club business presented a great opportunity for a profit-oriented owner/operator. At that time he purchased

Continued on page 63

Marketing Idea of the Month

Kids-play-free program at Hilton Head increases revenues



A family putts out on the 4th hole of the Clipper Course at Port Royal Golf & Tennis. The Family Special has increased off-season revenue by allowing children to play for free.

By PETER BLAIS

It was a mystery.

Summer was Port Royal Golf & Tennis Ltd.'s busiest time of the year. Hotel rooms were full, restaurants packed and the Hilton Head Island (S.C.) beaches swarming with people.

But at the facility's 81 golf holes, play was well below spring and fall levels. In fact, from 2 to 4 p.m., the Port Royal Golf & Racquet Club and Shipyard Golf Club layouts were basically empty.

"What gives?" asked Chief Operating Officer Mike Tinkey.

Being a sound business person, Tinkey decided to survey his summer customers. He asked them why they came to Port Royal and why they didn't play more golf.

Continued on page 62

City, pros haggle over appropriate compensation

LINCOLN, Neb. — Persons active in the sports field frequently press for renegotiation of their contracts.

Bob Schuchart and Marc Cruse, golf professionals at Holmes and Mahoney courses respectively, would be content to retain the *status quo*. But city Parks and Recreation Director Jim Morgan sees a conflict of interest in their investor involvement in the Crooked Creek golf course being developed in this city.

Half the course is ready to be seeded next year. It should open in 1995.

Discussion of new contracts, set this month, will contain loyalty clauses that would prohibit

the pros from having active interests in any competing golf facilities in the Lincoln market.

Schuchart and Cruse now keep 100 percent of revenue from golf cart rentals, food and beverage sales, driving range fees and pro shop sales. The city gets the green fees.

Morgan estimates Schuchart and Cruse earn several times the national average for golf pros, rated in the upper \$70,000s. Midwestern pros average in the upper \$40,000s, Morgan said. Schuchart terms these figures too high and "nowhere near accurate."

Morgan said the pros' annual statements are "somewhat vague." An audit is being conducted.

Women's golf conference set

WEST PALM BEACH, Fla. — The executive Women's Golf League, now 50 chapters strong with over 3,500 members nationwide, will be hosting their second annual national conference, "Business Links '94" on Feb. 4-6. The event is being sponsored by Office Depot, and will be taking place at the Breakers Resort in Palm Beach.

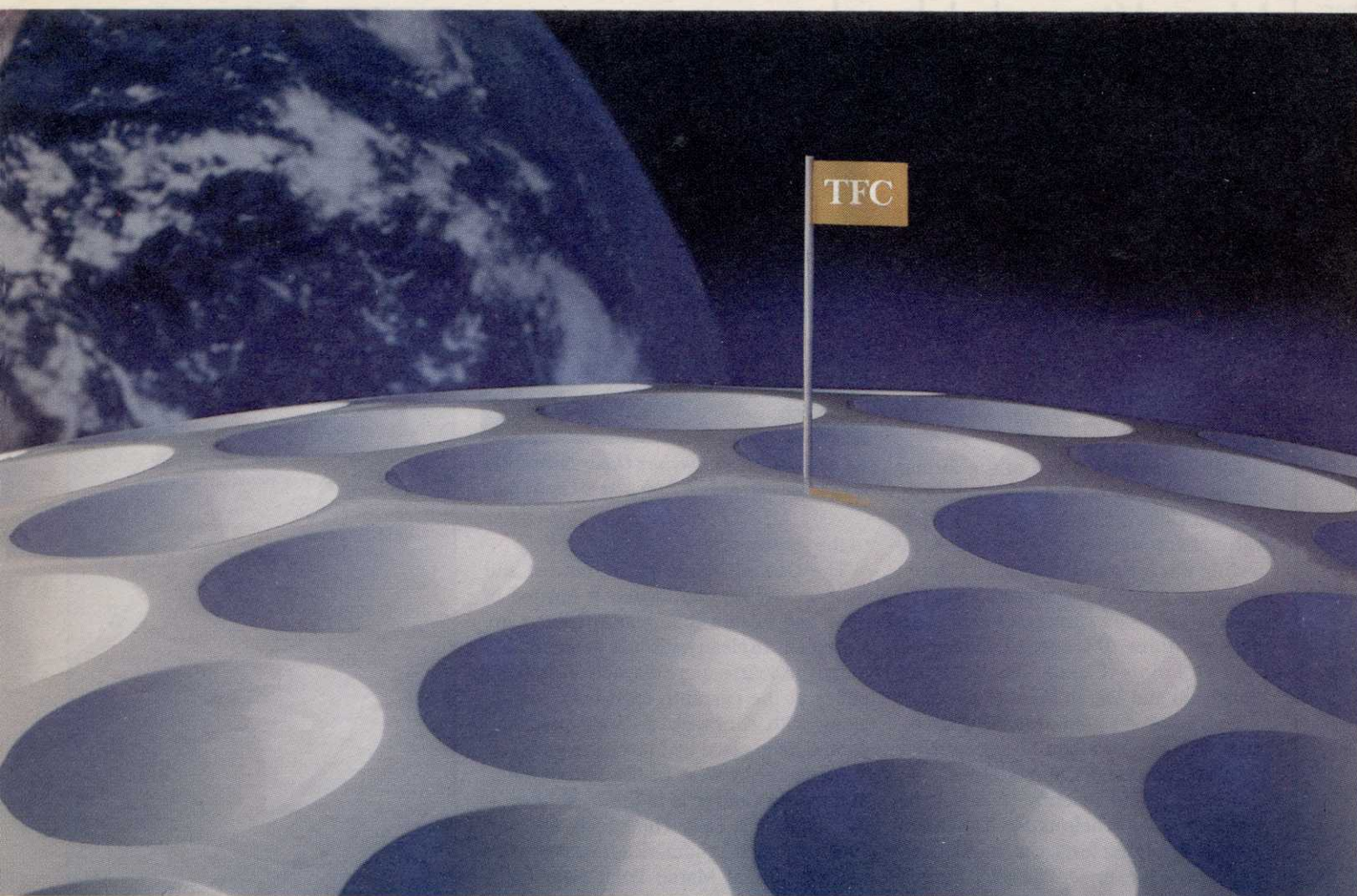
The Executive Women's Golf League was formed to help unite businesswomen who wanted to learn how to play the game, not just how to swing the club. The

keynote speaker for the awards dinner at The Breakers is Jeri Sedlar, editor-at-large for Working Woman Magazine, and author of the new book, "On Target."

The Registration Fee for Business Links '94 is \$225 for EWG members and \$275 for non-members.

Proceeds from this event will benefit the EWG Mentor and Scholarship Program for junior girl golfers. For more information, please call the Executive Women's Golf League at 407-471-1477.

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SAFECO offers club insurance

SEATTLE—SAFECO Insurance Co. of America has introduced a new policy providing coverage for golf courses and country clubs.

The policy is called SAFELINKS and offers coverage for greens, tees and fairways as well as bridges, roadways, fences and other structures.

It can cover member and guest property, money, securities and income lost due to business interruption. SAFELINKS offers optional liability coverage for personal injury, liquor liability, directors and officers liability, and fertilizer, herbicide and pesticide pollution.

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For more information contact William Bell at 206-545-5887.

Palmer Management

Continued from page 63

Headquartered at the Bay Hill Club here, Arnold Palmer Golf Management came under the leadership of Nanula and Chief Operating Officer Blake Sonne in September. The two formerly owned and operated Pacific Golf and brought with them a \$50 million commitment from Apex Investment Partners, a Chicago venture capital firm, to acquire, lease and manage golf facilities nationwide over the next five to seven years.

Nanula said Palmer will target quality, existing (open at least one year) layouts, although not necessarily signature designs, with annual revenues of \$750,000 or more. A minimum population of 250,000 within a 30-minute drive is needed for serious consideration.

The firm plans to develop those facilities into what Nanula terms "the quality and price leader" in that market. Basically that means Palmer striving to make it the top-conditioned course with the best service in the area, a combination that should also allow it to charge the top greens fees, whether that be \$25 or \$100 per round.

Nanula points to Palmer-designed Spencer T. Olin Community Golf Course in Alton, Ill., near St. Louis as a good example.

"It's considered among the top courses in the Midwest and is being looked at as a possible U.S. Open site. We want courses that can become showplaces for their communities," Nanula said.

Palmer has reviewed many courses since early October and made offers on several, Nanula said. Plans are to acquire or lease three to four in 1994 and increase the yearly number slightly through the 1990s.

What will differentiate a Palmer-managed course from the handful of large firms that, Nanula says, manage basically generic properties?

"They [other major management firms] do a good job of fixing up and then

maintaining a golf course for the customer," the Palmer executive said. "But there is nothing that allows the consumer to differentiate between a ClubCorp, AGC or Fairways facility. They are like the first generation of old hotels that paved the way for the Marriotts, Hiltons and Hyatts.

"The new generation of courses will attract golfers because they are managed by companies that let the golfer know what to expect in terms of course quality and customer service."

"We believe Palmer Management is uniquely positioned to capitalize on golfers' needs to identify with a brand name management company."

What will set a Palmer-managed course apart?

First and foremost will be the quality

of the course, Nanula said. That responsibility will fall primarily on the shoulders of Director of Agronomy James Ellison. Ellison was head superintendent at Bay Hill, Palmer's home course, for 15 years before taking over the director's post.

Ellison heads a staff of Palmer-trained superintendents, many of whom have worked throughout the United States, Europe and Asia. Ellison will retain as much of the existing staff as possible at acquired courses. "There's no substitute for hands-on knowledge of a golf course," Nanula said.

Second will be the presence of Palmer memorabilia. Photos and paintings of The General will line the walls of the pro shop, where Palmer-endorsed products will be sold.

Third will be the level of customer

service.

"We're determined to do any of our competitors one better," Nanula said. "If that means a municipal course having a cart boy meet you in the parking lot and take your bag to the first tee, that's what we'll do. If it means having the pro shop staff wear Arnie blazers, that's what we'll do. But it won't be a cookie cutter approach. It will vary with the market."

Then there is the Palmer mystique, which Nanula said plays right into the growth of public golf.

"Arnold is a great champion and has endorsed many high-end products, from Rolex watches to expensive cars. But he's also a regular guy who has attracted public support—Arnie's Army. That should help in the municipal market," Nanula said.

Good times could be over for Palatine, Ill. golfers

PALATINE, Ill. — Season pass holders at Palatine Hills Golf Course may be getting too good a bargain.

The Palatine Park District is considering elimination of this unlimited play pass which costs \$610.

"It is clearly my recommendation and that of my golf course staff that season passes as we have traditionally offered them not be available in 1994," said park district Executive Director Fred Hall.

Hall cited one particular cardholder, who played 109 rounds of golf this year, saving \$1,146 over what he would have paid at the existing standard resident identification card rate.

Discount cardholders would pay a lower season fee for a golf card that would entitle them to reduced fees on every round of golf, saving money over the course of a year while making it profitable for cardholders to remain loyal to Palatine Hills, Hall said.

Ernie Sakowicz, a member of the Palatine Hills Golf Association, warned that if this year's pass holders can find better deals at other area golf courses in 1994, Palatine Hills could lose some regulars, he said.

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NGF Conference set for early Jan. in West Virginia

WHEELING, W.Va. — Reservations are now being accepted for the 11th annual National Institute of Golf Management to be held Jan. 9-14 at Oglebay Park Resort and Conference Center here.

The event is co-sponsored by the National Golf Foundation.

During the five-day program, students cover all aspects of golf facility management including: clubhouse and golf shop merchandising; course maintenance and security; food, beverage and range operations; personnel, customer and press relations; publicity and promotions; golf car economics; rules management and tournament play.

Students must attend for two years to complete the program. Those who do receive five continuing education credits from North Carolina State University.

For each year, PGA of America members earn three certification credits, Golf Course Superintendent Association of America members receive two-and-a-half CEUs. The LPGA offers certification credits to members. Program completion also entitles students to attend specialized graduate seminars held each year.

The faculty includes authorities from the USGA, PGA of America, GCSAA, American Society of Golf Course Architects and NGF, as well as members of the Board of Regents, course owners and operators, developers, and manufacturers.

The registration fee is \$325.

For further information, contact Oglebay's Department of Continuing Education at 800-624-6988, ext. 278 or the NGF at 800-733-6006.

Deer Creek Golf Club reopens following \$3 million facelift

DEERFIELD BEACH, Fla. — South Florida golfers and visitors alike will have the chance to play a new course on an old site. The Deer Creek Golf Club, host of the LPGA's Mazda Classic season opener in past years, reopened late in 1993 after a \$3 million face-lift by designer Arthur Hills.

One of Hills' jobs was to design new greens to USGA specifications and redesign all approaches and bunkers surrounding the greens. The new greens average 5,800 square feet, providing about 500 to 1,000 additional square feet per green. The new course includes the addition of "gold" championship tees, offering more than 7,000 yards of play and four sets of tees.

...

In a related move, Boca Raton Resort and Club, winner of the AAA Five Diamond and Mobile Travel Guide Five Star hospitality awards, is joining forces with Franklin Golf Properties, Inc. which owns and operates Deer Creek.

Under a lease agreement signed in August,



Deer Creek reopened in November after a six-month, \$3 million renovation.

the Boca Raton Resort and Club will operate the clubhouse facilities and all food and beverage operations at both golf clubs, including the restaurants, lounges, outdoor cafes and meeting and banquet facilities.

Franklin Golf Properties will continue to use its own team of professionals to run the golf courses, driving ranges, South Florida Golf Academy and golf shops. All facilities will remain open to the public.

Port Royal counts on families during slow summer months

Continued from page 59

The problems he found and the solutions he implemented led to a 50 percent increase in afternoon rounds played as well as added pro shop and snack bar sales over the past three years.

What jumped off the survey forms right away was the fact that most of Port Royal's summer clientele consisted of families, Tinkey said.

"We quickly learned," he said, "that the first reason they came to Port Royal was for Dad to spend some time with the children. The second thing was that Mom insisted everyone know about Reason 1. She didn't come all the way down here to provide child care while Dad played golf."

Port Royal offered child care. But many parents were concerned about leaving their children with strangers.

So, why not bring the kids on the course?

"Cost was the main reason. The percep-

tion was that golf was just too expensive for parents to take kids out on a lark," Tinkey said.

"We recognized that if we were going to get more customers on the course during the summer, we needed to create a more friendly environment for fathers, mothers and children to play together. And after all, child golfers grow into adult golfers."

So, three years ago, Port Royal instituted "The Family Special" program, allowing kids aged 7 to 17 to play free when accompanied by a parent or grandparent.

"For a typical family with two kids, that cut greens fees in half, from \$200 down to \$100," Tinkey said.

"The Family Special" helped dispel the notion that golf was too expensive. But would the kids be truly welcome on the golf course? What about non-parents? How would they feel about paying \$50 to play behind a foursome that included a pair of

rug rats?

Tinkey dealt with this by limiting the program to selected afternoon hours. Prime tee times were reserved for childless golfers.

"Actually, we found in many cases that families played faster than all-adult foursomes," Tinkey said. "It's like women golfers. The perception is they play slower than men. But they don't want to be branded with that reputation and often play faster than men."

Families are the same, Tinkey explained. Parents rarely let their children waste too much time searching for lost balls. Often just parents hit off the tee. The kids hit three or four shots in the fairway and then pick up their balls while the parents putt out.

"Most of the kids are just happy to be with Dad and get to sit on his lap and drive the golf cart," Tinkey said.

Members account for 20 percent of Port Royal's play. Many are grandparents. Tinkey extended the same "kids play free" offer to them during a membership meeting.

"I've never seen so many tears of gratitude," Tinkey said. "Most of them said they never got to spend more than an hour of quality time with their grandchildren. They loved the idea of spending 4-1/2 hours, one-on-one with their grandkids in a golf cart. And grandparents are so patient, they make great instructors."

As for the kids, "They loved it," said Tinkey, noting that golf courses typically do little to make children feel welcome. "You know how kids are. You tell them they can't have something and they want it all the more. Golf is good for them, they enjoy being outside and we're building a client base for the future."

Any lost greens fees are partially offset by ancillary sales, Tinkey said. When children play, parents usually rent a second golf cart and two sets of clubs. Children eat at the snack bar and buy merchandise at the pro shop. Junior clinic participants have increased.

"We managed to keep the program a secret for two years. But this spring, two or three other courses copied it," Tinkey said.

"The program has provided a friendly environment for families, increased the number of juniors introduced to the game, increased revenue for the golf courses and created lasting vacation memories."

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Kiawah

Continued from page 59

1976), Turtle Point (1981) and Osprey Point (1988), he added.

"The resort hasn't had much spent on it the last few years," Devadas said.

Cole listed some of the planned renovations:

- Widening the cart paths and redoing the sprinkler and tee signage at Turtle Point and Marsh Point.

- Replacing the 80-cart fleet at Turtle Point and establishing a rotation plan that will result in a new fleet at Osprey Point a year later.

- Major renovations to 16-year-old Marsh Point include installing new turf in worn areas, reshaping several holes, renovating the pro shop and cart areas, and tying the facility into the conference center.

- Building a permanent clubhouse at Osprey Point to replace the temporary structure that has serviced the facility since 1989.

AMF plans no new courses, although Kiawah Resorts Associates, which opened a neighboring beach club, has 300 acres it plans to eventually develop into a private course, Cole said.

AMF's decentralized management style has Cole overseeing an individual superintendent at each course — George Frye (Ocean), Matt Bunch (Marsh), Jeff Stone (Turtle) and Steve Miller (Osprey).

"We believe in each entity hav-

ing someone responsible for its success," Devadas said.

Devadas became the top executive at Kiawah in October. He was managing director of the company's other hospitality property, the AAA five-diamond Jefferson Hotel in Richmond, Va. Devadas will manage both properties.

"The Jefferson Hotel was also having financial problems and was on a maintenance-only budget for many years when we took it over," Devadas said.

"We spent a significant amount of money there, much of it training staff. It is now one of only 49

properties in North America with the five-diamond rating. We don't anticipate bringing Kiawah to that level. It doesn't need it. But we'll take it to a four-diamond level.

"The resort has done very well considering the lack of capital spent on it the past few years. Much of that success has come on the coattails of the Ryder Cup."

Golf course renovations will take up part, but certainly not all of the \$15 million in capital improvements. Plans include new and renovated hotel rooms, a 15,000-square-foot conference center, several swimming pools and an oceanside restaurant.



Prim Devadas (left) and Chris Cole



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Dedman

Continued from page 59

400 acres of land in North Dallas on which he built Brookhaven Country Club. Today,

CCA has approximately 18,000 employees and owns and/or operates more than 200 city, country, and athletic clubs.

Dedman has received numerous honors, including Texas Entrepreneur of the Year (1976), Dallas Humanitarian of the Year (1980), and the Dallas Marketer of the Year (1986).

He has been inducted into the Texas Business Hall of Fame, received the State of Israel 40th Anniversary Medal and the Horatio Alger Award.

He received his B.A., B.S., LL.B. (Law Degree), and LL.M. from the University of Texas and SMU.

Mr. Dedman resides in Dallas, Texas.

Said Mike Hughes, executive director of the NGCOA. "His [Dedman's] contribution to the game is so significant it is impossible to measure.

"The management methods devised by Robert Dedman have revolutionized the way golf facilities are operated.

"The award ceremony will also be special because it is first time that an individual member of our own organization has received our Award of Merit."

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trade. While the Commercial Section will target merchandisers and general golf enthusiasts. Thus Golf Asia '94 will capture all facets of the golfing industry.

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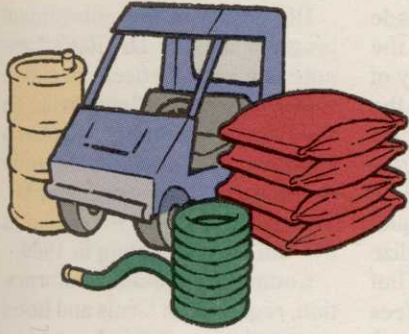
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AQUATROLS ADDS LANOIE

Aquatrols announces the addition of a new Technical Sales Representative, Al Lanoie. Lanoie brings 22 years of practical sales and technical experience to Aquatrols. Lanoie will work with turf and horticultural professionals and support the efforts of Aquatrols' distribution in New England and Eastern Canada. Lanoie graduated with a B.S. in Agronomy from the University of Massachusetts. He resides in South Sandwich, Mass.



Al Lanoie

WHITE MOVES OVER TO REGAL

ALPHARETTA, GA. — Ron White has become the sales and marketing manager for Regal Chemical Company. White graduated from North Carolina State with a degree in Agronomy in 1979. Immediately following graduation, he began a 12 year association with Ciba-Geigy. His work experience began as a field sales representative and moved through several promotions to his last area of responsibility as manager of Sales Support Marketing.



Ron White

ALTHAUS MOVES UP AT ISK BIOTECH

CLEVELAND, Ohio — David Althaus has been named North American advertising manager for ISK Biotech Corp. Althaus will direct the efforts for all product advertising in the U.S. and Canada. Ed Sabala, who previously handled these responsibilities, will continue his efforts at ISK in the role of manager, corporate communications. Althaus can be reached at 1523 Johnson Ferry Road, Suite 250, Marietta, GA, 30062.

ECI OPENS SARASOTA OFFICE

SARASOTA, Fla. — Environmental Care Inc. has opened a new branch here at 8000 Fruitville Road. William P. "Billy" Butterfield, operations manager for the new Sarasota branch, comes to ECI from Butterfield Enterprises, Inc., a landscape maintenance firm he owned from 1976 to 1983 and, over the next nine years, from ISS Landscape Management Services. In other ECI news, Jeffrey H. McKinley joins the firm as operations manager of the Sacramento branch.



Billy Butterfield

Southern Golf will expand accessory line

By HAL PHILLIPS

PEACHTREE CITY, Ga. — The crowded golf course accessory market has a new player. But, according to Southern Golf Products Inc. President Steven Burrell, the search for a niche was short and sweet.

"You can pay \$14.50 for a pole or \$9 for a pole — it's just that simple," said Burrell, whose company already deals in golf course uniforms, flags and golf promotional packages.

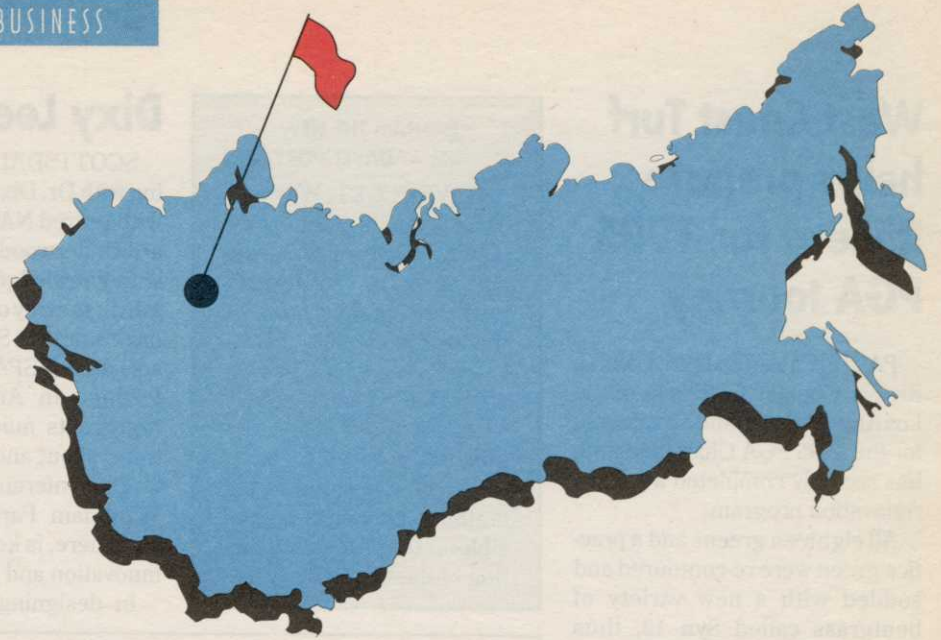
Burrell plans to continue selling his established products — along with the newly introduced cups and flagsticks — directly to the superintendents from the factory. It's a simple formula, he said.

"We've done it for two years that way," he explained. "The distributor network didn't work. Accessory items are too small and distributors just didn't care enough. And with garments, the product is too complicated to sell that way. Direct is the way to go."

"Superintendents will be able to buy a complete set: flag, stick and cup that match. We kept going to trade shows and having people ask for a set. We didn't have it. Now we can put together a custom, color-coordinated set."

Burrell said his firm will pick up reps as it goes along, but 800 numbers will

Continued on page 70



AIGR: The foreign accessory connection

By HAL PHILLIPS

When you call Anderson International Golf Resources (AIGR) in Grass Valley, Calif., the receptionist greets you this way: "Good morning. Moscow Country Club."

That might throw you for a second, before you realize AIGR handles accessory supplies — among other things — for golf course projects around the world. While AIGR is arranging for American-made flags, tee markers and ball washers at a new course in Bahrain, the highest profile client has been Robert Trent Jones II's Moscow Country Club, which opened for play late in 1993.

"We made some very attractive stuff for the Moscow course," said Mike Neal of Fore Par. "It's an interesting opportunity. But we thought it was even more interesting that this former bastion of socialism

had succumbed to the most decadent sport western capitalism has to offer."

Anderson has become something of an overseas golf supply broker, arranging for American firms to supply golf accessories for upscale projects all over the globe. All sales are delivered through Country Club Sales of Napa, Calif.

The boon is evident to firms such as Standard, Par Aide and Fore Par, each of which gets a piece of far-away, once-unattainable markets. Par Aide contracted to provide ballwashers, stands, bases and trash cans, while Standard provided spike brushers, trap rakes and cups. Fore Par provided the Moscow Country Club with wedge-type tee markers with the MCC logo in golf; flags in purple and gold, the club's colors; practice green flags and flag sticks.



NEW PRODUCT OF THE MONTH

The new Workman 3000 from Toro, with its new cab-forward design, was a collaborative effort with Miles Inc. The hood is made of reinforced reaction injection molded polyurethane, provided by Miles Inc. and designed to provide better impact and corrosion resistance than sheet metal. For more new products, see pages 72-73.

Florida turf industry aims for certification program by mid-'94

By KIT BRADSHAW

By the middle of 1994, the Florida turfgrass industry will again have a certification program in place, one that will overcome the failure of the old program, which didn't have the legal clout to make it work.

According to Bob Yount, executive director of the Florida Turfgrass Association (FTGA), the certification program is designed to guarantee the variety, quality and authenticity of turfgrass that is purchased for golf courses, parks and stadiums. In the past, some golf courses have discovered contamination of their greens a few years after the green turfgrasses were installed.

This time, the program involves the FTGA, the University of Florida, the Florida Seed Foundation and the Florida Department of Agriculture. The state will be monitoring and enforcing the purity and genetic identity by the turfgrasses which will be part of the program.

Specific sod growers will be selected to grow the registered turfgrasses. They will begin with clean fields and will raise the turf according to proper maintenance strategies. The FTGA, which represents the total Florida turfgrass industry, will handle the distribution. The fields will be monitored by the state to insure that there is no contamination or intrusion by another variety of grass. After a certain period of time — Yount indicated this could be three to five years — the fields would be fumigated and new foundation stock would be brought in.

Continued on page 66

EPA reregistration to be completed by 2006?

The Environmental Protection Agency's pesticide reregistration pilot program with the Organization of Economic Cooperation and Development will be completed early this year, according to a progress report on the reregistration program that has been distributed to registrants.

The report documented that EPA has made reregistration decisions or published reregistration eligibility documents on only 8 percent — 33 of the 405 — of the chemicals awaiting reregistration. A recent report by the General Accounting Office predicted that EPA would not complete its

review until 2006.

Under the FIFRA five-phase review scheme, about 400 chemicals used in pesticides first registered before Nov. 1, 1984, are supposed to be assessed under modern testing standards and reregistered or relicensed for use by 1997.

The report covers the third fiscal 1993 quarter — April, May and June — and is produced by EPA's Office of Pesticide Programs Special Review and Reregistration Division to provide information on progress toward pesticide registration as mandated under the 1988 amendments to FIFRA.

West Coast Turf helps prepare Riviera for 1995 PGA tourney

PACIFIC PALISADES, Calif. — Riviera Country Club, site of the Los Angeles Open and host course for the 1995 PGA Championship, has recently completed a greens renovation program.

All eighteen greens and a practice green were re-contoured and sodded with a new variety of bentgrass called Syn 12, thus bringing them up to USGA specifications.

Under the direction of golf course designers Bill Coore-Ben Crenshaw, the greens at this stately course were constructed by Ed Connor of Golfforms, and are being grown-in to tournament conditions by Riviera Country Club golf course superintendent Jim McPhilomy.

The greens will be open for play later this year, and will certainly be in top shape for the 1994 Los Angeles Open.

West Coast Turf of Palm Desert, California, grew the Syn 12 sod and washed it using the patented StrathAyr turf washing system. According to West Coast Turf spokesman Jeff Cole, the Syn 12 sod has "a terrific dark green color, great density and texture, and a very aggressive growing habit..."

"We will definitely grow much more of this variety," maintained Cole. Nearly 110,000 square feet of the sod was installed by West Coast Turf during the course of construction.

Turf certification

Continued from page 65

"If someone offers turf that is not certified as certified turf, the state will come down on them hard," said Yount. "This is one of the big differences between the certification that failed and this one — the new certification program has teeth in it."

FloraTex, a bermudagrass recently released cooperatively by the Florida and Texas Agricultural Experiment Stations, is being used as the first test cultivar for the new program. The FTGA is licensing one grower near Gainesville to produce the planting stock of FloraTex, but only for certified growers in the two states. Yount says that this grower, Jones Turf Farms, was chosen because its proximity to the University of Florida was an advantage to the monitoring program. However, as other turfgrasses are introduced into the program, additional sod producers will be certified.

"In addition to providing certification," Yount explained, "the program will also provide revenues that will return to the Florida Turfgrass Research Foundation, to enhance work on turfgrasses in the state."

INGHAM THE NEW GM AT DAVENPORT

DAVENPORT, Wash. — Mike Ingham is the new general manager of Davenport Seed Co., effective immediately. Ingham is one of the former owners of DSC before Warren's Turf acquired the company in 1989. Also announced was the promotion of Todd Harris to the new position of operations manager, responsible for the production portion of the business.

Dixy Lee Ray to speak at ASPA Midwinter Conference

SCOTTSDALE, Ariz. — Opening with Dr. Dixy Lee Ray, closing with retired NASA scientist Richard Underwood and interspersed with knowledgeable speakers on a diverse array of topics, the three-day American Sod Producers Association (ASPA) Midwinter Conference in Arizona will give registrants much to talk about, think about and act on. The Jan. 20-22 Conference, hosted at the Wyndham Paradise Valley Resorts here, is keyed to a theme of innovation and information.

In designing the educational

program — chaired by Trustee Louis Brooking of Brookmeade Sod Farm, Doswell, Va. — the committee took to heart many of the suggestions received from the general membership. The 1994 Conference will present only general sessions. Also, there will be an optional (separate fee) banquet for those who want to socialize with their fellow attendees, but it's not included in the overall fees for those on a tighter budget. A post-conference tour to A-G Turf Farms in the Stanfield area will also be an optional event that reg-

istrants can enjoy.

Highlights of the educational program include Dr. Ray's keynote talk on the effects so-called "environmentalists" are having on the world economy; Richard Underwood's photographic study of the earth from space; and Dr. Tom Jadin who was so popular at the San Diego meeting in 1989.

Complete conference information, registration forms and hotel reservation materials have been sent to all ASPA members; however, additional copies can be obtained by calling 708-705-9898.

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Mid-Am Show (Jan. 20 to 22) to provide child care

The Mid-America Horticultural Trade Show is offering free, professional child care for exhibitors and attendees during the 1994 Mid-Am Trade Show, Thursday, Jan. 20 through Saturday, Jan. 22, at the Hyatt Regency Chicago.

Through arrangements with KiddieCorp — a highly-regarded, licensed, bonded and fully-insured child care firm used by numerous other Chicago-based trade shows — Mid-Am's child care service will accept, on a pre-registered basis only, children from 6 to 12

years of age. Parents pay only for their child's food.

Child care service will be provided from 9 a.m. to 6 p.m. on Thursday; 9 a.m. to midnight on Friday; and from 9 a.m. to 5 p.m. on Saturday.

The Friday night child care service, sponsored partly by Charles J. Fiore Company, Libertyville, Ill., gives parents an extra break and an opportunity to see the town or enjoy a relaxing evening out with friends.

To assure adequate care and

supervision of all children, space in the child care center is limited. Advance registration is a must.

More information is available in Mid-Am's registration brochure or from the Mid-Am office, 1000 North Rand Road, Suite 214, Wauconda, Ill. 60084. Or call the office at 708-5260-2010; Fax: 708-526-3993.

Mid-Am is sponsored by the Illinois Nurserymen's Association, the Illinois Landscape Contractors Association and the Wisconsin Landscape Federation.

Atlantic Hydroject services expanded

ST. AUGUSTINE, FL. — Atlantic Coast Hydroject — a water injection turf aeration specialist based here — has announced expansion of its service into the coast states of Virginia, North & South Carolina and Georgia.

Golf course superintendents in these states, particularly Pinehurst, Myrtle Beach, Hilton Head and The Golden Isles, will be able to contract Toro Hydroject 3000 service

through Atlantic Coast Hydroject.

The service allows three or four contract aerifications annually, freeing capital for more frequently used maintenance procedures. Atlantic Coast Hydroject will continue to operate out of its St. Augustine Florida office with a Raleigh, N.C., office opening soon. The St. Augustine office can be reached at 904-797-5364; fax: 904-824-9336.

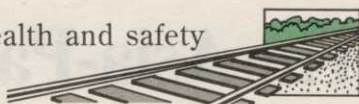
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For more information, call RISE at (202) 872-3860, or write to 1155 15th St. N.W., Suite 900, Washington, D.C. 20005.



Toro University plans seminar for Jan. 10-12

RIVERSIDE, Calif. — The first 1994 Toro University program, featuring a seminar by construction expert and consultant Charles Vander Kooi, will be conducted by the Irrigation Division of The Toro Company, Jan. 10-12 in Antri, Calif.

During the seminar entitled "Bidding & Estimating," Vander Kooi will address one of the greatest fears in the industry-submitting a bid with confidence. Vander Kooi has worked in the construction industry for nearly 30 years. By applying principles from his self-developed estimating system, Vander Kooi will demonstrate the steps leading to a confident bid, from deciding the initial bid to minimizing errors.

To register for the 1994 Toro University session in Antri, Calif., call Toro University at 909-359-1870 or write to Toro University, The Toro Company-Irrigation Division, P.O. Box 489, Riverside, CA 92502.

...

ABILENE, Texas — The National Support Network (NSN) offered by the Irrigation Division of The Toro Co. has been labeled "extraordinary" after only two years of operation by 98 percent of its customers.

Eight-seven percent of the 264 customers who had used the service for at least one year participated in the survey in which they responded to questions about the quality of service provided by NSN for the golf industry.

The first year of the NSN service is included with the purchase of a central control system. The NSN contract covers all central components and software as well as the central computer.

Through NSN, the customer has help line support from 7 a.m. to 7 p.m. on weekdays as well as emergency pager-initiated support after hours, on week-ends and holidays. Any component which fails to perform to the customer's satisfaction is replaced overnight.

For more information on the Toro National Support Network, call the Toro Systems Help Line toll-free at 800-527-4248.

California emissions ruling expected this month; regulatory issues remain

By HAL PHILLIPS

SACRAMENTO, Calif. — If the state Air Resources Board (ARB) accepts the recommendation of its staff, the mandated transition from gas- to electric-powered golf cars should be smoother than expected.

Under a previous proposal, gas-powered golf cars were to be banned from sale in California beginning Jan. 1, 1995. But the golf car industry — after lobbying from the National Golf Car Manufacturers Association (NGCMA) — may get a two-year reprieve. The ARB staff has suggested that gas-powered cars not be sold in California any time after Jan. 1, 1997, according to ARB spokesperson Jerry Martin. However, all gas-powered cars in use at that time will be grandfathered for the duration of their lifespans.

Further, gas-powered cars may be repaired and/or serviced for as long after the 1997 deadline as their owners see fit.

The ARB will meet Jan. 13, to hear the staff proposal. According to Martin, the board has the option to accept, reject or amend the current staff recommendations. The ARB usually makes final decisions at such meetings, he said, but the board could postpone the decision further.

"I don't think there's ever any victory in terms of clean air," said Fred Somers, general counsel to the NGCMA. "I just think it needed to be more realistic. The board finally realized its 1995 deadline wasn't feasible. It's a victory in a sense that the small California operator with a gasoline fleet has more time to make the conversion

'The board is postulating that operators won't be hurt because they'll switch over gradually. It's a typical administrative whitewash. They're selling regulation.'

— NGCMA General Counsel
Fred Somers

[to electric]."

The repair issue could be seen as victory, though Martin maintained the ARB had long ago compromised on that point.

Another potential easement: The ban on gas-powered golf car sales after 1996 is only valid in areas of California that have not met federal ozone level requirements. Most urban areas have not complied, and 90 percent of the state's population resides in urban areas, said Martin.

However, Martin added that the San Francisco area is very close to meeting federal ozone requirements, meaning the post-1996 ban on gas-powered golf cars — should the ARB approve it Jan. 13 — would not be enforced in the Bay area.

Northern California cities like Eureka and Crescent City are already in compliance, Martin said.

Even if the boards should okay the proposal Jan. 13, there remain some disagreements.

"We still can't agree on the number of



WITEK NAMED PRESIDENT, CEO OF MELEX

Melex USA, Inc. the Raleigh, N.C.-based golf car manufacturer, has announced that Tadeusz "Ted" Witek (above) has been named president and CEO of the company. Previously, Witek served as assistant managing director of Melex' European parent company, WSK "PZL-MIELEC". In other Melex news, Jim R. Moran (left) has been named vice president, Golf Car Division. Moran assumes the position after nine years with Melex, most recently as vice president, Field Sales.



gas-powered golf cars in the state, which is important when you're attempting to measure the resulting pollution," said Somers. "We project 14 to 16,000 and they believe there are 40,000. I don't know where they get their numbers. I can't believe there's a better source for that kind of information than us."

Somers also believes the board has

"glossed over" the projected increased capital operating expenses. Somers said operators would pay \$.88 per round more by using electric cars.

"The board is postulating that operators won't be hurt because they'll switch over gradually," said Somers. "It's a typical administrative whitewash. They're selling regulation."

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Chemical mergers

Continued from page 1

regarding whether individual products will stay in production or pass into history.

"I think reregistration has an effect, but that's just part of it," said Bill Liles, director of Ciba's Turf and Ornamental Division. "The cost of regulatory compliance in today's environment is staggering: state, federal, clean air, clean water, OSHA, FIFRA..."

"It's tough to be a one-product company today — it's tough to be a two-product company! The costs are too high. You're limited in the resources you can put behind the products."

Under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), all chemicals registered with the Environmental Protection Agency before 1984 must be reregistered before Jan. 1, 1997. Reregistration isn't guaranteed and the supportive research can cost millions of dollars. Sometimes it's easier to cut bait and fish with someone else.

"The only way to tackle these difficulties is to ensure that profitable and innovative products on an own-research basis come onto the market more quickly," says NOR-AM spokesman B.J. Bilas regarding the Hoechst-Roussel/NOR-AM partnership. "Only companies of sufficient size will be in a position to afford the investments necessary for constant renewal of their product range."

Bilas said the new joint venture — agreed to by a pair of German parent companies, Hoechst AG of Frankfurt and Schering AG of Berlin — will take effect early this year. Hoechst will hold 60 percent of the shares and Schering 40 percent. The partnership, said Bilas, is aiming for sales of more than \$2 billion, making it one of the largest agrochemical producers in the world — a claim neither Hoechst-Roussel nor NOR-AM could make on their own.

Scotts' acquisition of Grace-Sierra was a transaction valued at approximately \$120 million, including repayment of indebtedness, according to Robert Stern, Scotts vice president of Human Resources. After the merger, the combined business and operations will form the world's largest turf and horticultural products company, with fiscal year 1993 sales approaching \$600 million, said Stern, who added the transaction remains subject to board and regulatory approvals.

Market changes strong enough to elicit this type of corporate response cannot happen overnight. ("Scotts' interest in Grace-Sierra has been a long-term interest," Stern explained.) But EPA and its administrator, Carol Browner, have clearly stepped up the rhetoric during the first 12 months of the Clinton Administration. The approaching reregistration deadline and Browner's stated objective to reduce pesticide use present added obstacles to profitability in American markets.

Not everyone sees reregistration as the moving factor behind the industry consolidation. Some believe it's just good business.

"In my mind, mergers are happening because companies see their product lines are complementary," said Ron Fister, director of specialty sales for Sandoz. "In our case, with Zeecon, merging the two groups together gave us more strength — more marketing and sales people... Turf used to stand on its own, and ornamental used to stand on its own. Now they complement each other. I think companies look at one another from a viewpoint of strength rather than getting reregistered. I don't think reregistration had anything to do with it."

"At this point, I think all companies are looking at their chemistry in terms of

EPA SIGNS OFF ON BARRICADE

DES PLAINES, Ill. — Sandoz Agro, Turf & Ornamental's Barricade pre-emergence herbicide is now approved for use in and around more than 100 species of landscape ornamentals, as well as on bentgrass and golf tees, following Environmental Protection Agency registration. Changes to Barricade's new label also include the removal of height restrictions for turf at application. It is now approved for use on all areas of the golf course, except putting greens.

reregistrations. Do we keep it or do we drop it? But you also look at companies that complement your product line. Does it make you stronger? The decision to keep a product usually is made before you look at other companies."

U.S. manufacturers have also recognized the realities of competition from overseas — including consolidated competition such as that from Hoechst and Schering. When it comes to free trade, international pacts like the North American Free Trade Agreement (NAFTA) and the General Agreement on Tariff and Trade (GATT) will almost certainly open more doors than they close.

It is Grace-Sierra's international reach that made it especially appealing to Scotts, said Stern. In addition to manufacturing facilities in California, Pennsylvania, Arkansas and South Carolina, Grace-Sierra has another in The Netherlands and sells its products in Europe, Latin America and the Far East, including Australia and New Zealand.

"You can be a U.S. company and be successful here," said Liles. "But your long-term competition will come, eventually, from overseas. When you spread your resources to different parts of the world — like Scotts and Hoechst-Roussel and Schering have done — you can be flexible. You can shift resources and survive a downturn in particular markets."

"These are the things you have to do if you're going to be a player in the marketplace."

Sandoz Agro, Inc. expands national sales contingent

DES PLAINES, Ill. — Sandoz Agro, Inc., Turf & Ornamental is expanding its national sales team, as part of the company's commitment to increase support for customers in the turf, greenhouse and industrial vegetation management industries.

The changes are a result of the reorganization of the company's specialty division this summer, and include the hiring of Matthew Albrecht, John Meyer and Martha Trubey as sales representatives.

Albrecht, who will represent Sandoz to the IVM market in the Mid-Atlantic region, joins the company following seven years with IMC Fertilizer, Inc. At IMC, Albrecht served as both sales manager and regional sales manager.

Meyer will represent turf and ornamental products for Sandoz in the Southeastern United States, excluding Florida.

His 11-1/2 years in the turf industry include experience as a turf and horticultural sales representative for Wilbur-Ellis Co. Meyer worked in lawn care operations with TruGreen, Excelawn, and, prior to that, owned his own lawn care company.

Trubey, whose territory for Sandoz includes turf and greenhouse operations in Texas and Oklahoma, joins Sandoz with seven and a half years of industry sales experience.

Most recently, Trubey worked as a sales representative for Grace-Sierra, where she specialized in turf, ornamental and commercial greenhouse markets.

RISE update: Counterpart emerges in Canada

A new Canadian organization to address specialty pesticide issues is being formed north of the border as a counterpart to RISE (Responsible Industry for a Sound Environment). The Council of Responsible Environmental Soundness will be the green industry committee of our northern neighbor, the Crop Protection Institute of Canada. More information? Contact Anabelle Fidulitch 514-667-5081.

EPA's Office of Pesticides, in its announced goal of a "reduced pesticide use policy", is looking at urging Integrated Pest Management in non-ag settings. Victor Kimm, EPA's OPP deputy, said the agency hopes to publish a guide for IPM techniques in schools soon. RISE has had an opportunity to review and comment on an early draft of such an EPA guide. But, publication funding is "iffy".

Five Washington state agencies have been directed by Gov. Lowry to review the issue of multiple chemical sensitivity and implement a program to recognize the syndrome for medical benefit purposes, even though the medical community doesn't recognize MCS as a valid disease. RISE is keeping up-dated through Art Losey, former state department of ag official.

The above updates were provided by RISE (Responsible Industry for a Sound Environment). RISE Executive Director Allen James can be reached at 202-872-3860.

RGF OFFERS ENVIRONMENTAL BOOKLET

RGF Environmental Systems, Inc. is offering a free booklet titled "101 Environmental Questions and Answers for Golf Courses". The booklet is written to aid the golf course superintendent's in their knowledge of recent golf course environmental concerns. The subjects include: equipment cleaning, mix & load, pesticides, storm water, odor control, and pond algae control. For a free copy, call RGF at 407-848-1826.

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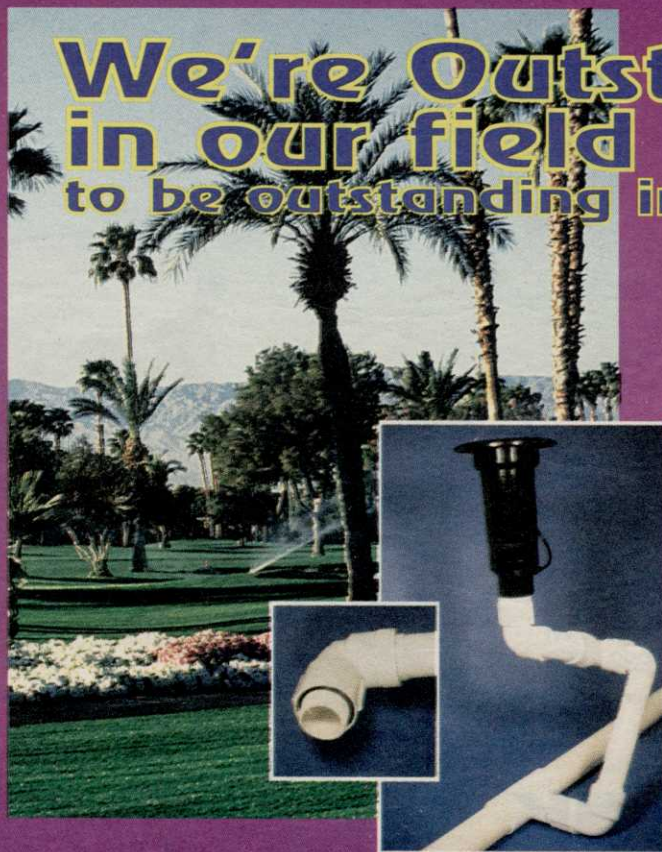
The OCS-90 is presently available on all 1 1/2" swing joint configurations.



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Jacobsen appoints Indiana dealer

INDIANAPOLIS, Ind. — Automatic Turf Equipment Company has been appointed the new Jacobsen dealer for much of the state of Indiana.

Automatic Turf is a new venture formed by Dave Wheeler and Steve Christie, current owners of Automatic Irrigation Supply, Fishers, Ind., the Rain Bird distributor for the state of Indiana since 1981. Automatic Turf Equipment Company is located at 1751 S. Lawndale

Ave., Indianapolis, Ind., 46241. Telephone: 1-800-293-8873.

*** RACINE, Wis. — The Jacobsen

Division of Textron Inc. has named Paul Nelson as the company's manufacturing manager. Nelson will direct the operations of the company's manufacturing facility here.

Nelson joined Jacobsen in 1981 and has held various positions in production and inventory control.



Paul Nelson

CONVAULT TANKS PASS BALLISTIC TEST

DENAIR, Calif. — ConVault, Inc., a manufacturer of aboveground storage tank systems, announced that its tank passed the ballistic test in addition to the joint UL/ULC investigation for the new Protected and Insulated Tank Listing. ConVault President Tom Lindquist expects ConVault to be the first aboveground tank in the world to be awarded this listing by both UL and ULC.

Terra to acquire Asgrow Florida

SIOUX CITY, Iowa — Terra Industries Inc. has announced its intention to acquire the assets and business of Asgrow Florida Company, Inc. (AFC), a distributor of crop protection products and seeds, from The Upjohn Company. AFC, with 1992 revenues of about \$95 million, operates 13 distribution centers, primarily in Florida.

The acquisition, which is expected to be completed in December, is subject to the approval of Terra's Board of Directors.

According to Terra President

and CEO, Burton M. Joyce, "Florida is one of the most important agricultural states in the nation. This acquisition will allow the combined operations of AFC and Terra to better serve our customers. We will operate in Florida under the Terra Asgrow Florida name."

In other Terra Industries news, James "Mie" Bowles has been hired as sales representative, specializing in industrial vegetative management and professional products.

Bowles, who is based out of Terra's Yazoo City, Miss. location, will serve primarily customers in the utility, forestry and right-of-way markets in Mississippi, Arkansas, Alabama, Tennessee and Georgia.

Bowles has more than eight years of experience in the professional products industry, most recently as a vegetation market specialist for Timberland Enterprises of Greenwood, Miss.

He received his bachelors of science degree in forestry from Mississippi State University in 1982.

Southern Golf

Continued from page 65

account for the bulk of sales.

While he showed the product at the North Carolina Turfgrass show in early January, Burrell believes the Golf Course Superintendents Association of America show in Dallas will serve as a springboard. The official availability date is Feb. 1.

Southern Golf is strongest in the Southeast, said Burrell, but has clear intentions to push across the country and into the Asia-Pacific marketplace.

"We've centered on the Southeast — we've made it a target," he said. "But if your product can hold up in Florida, where there's all kinds of weather, and in the cold of North Carolina, it can hold up anywhere."

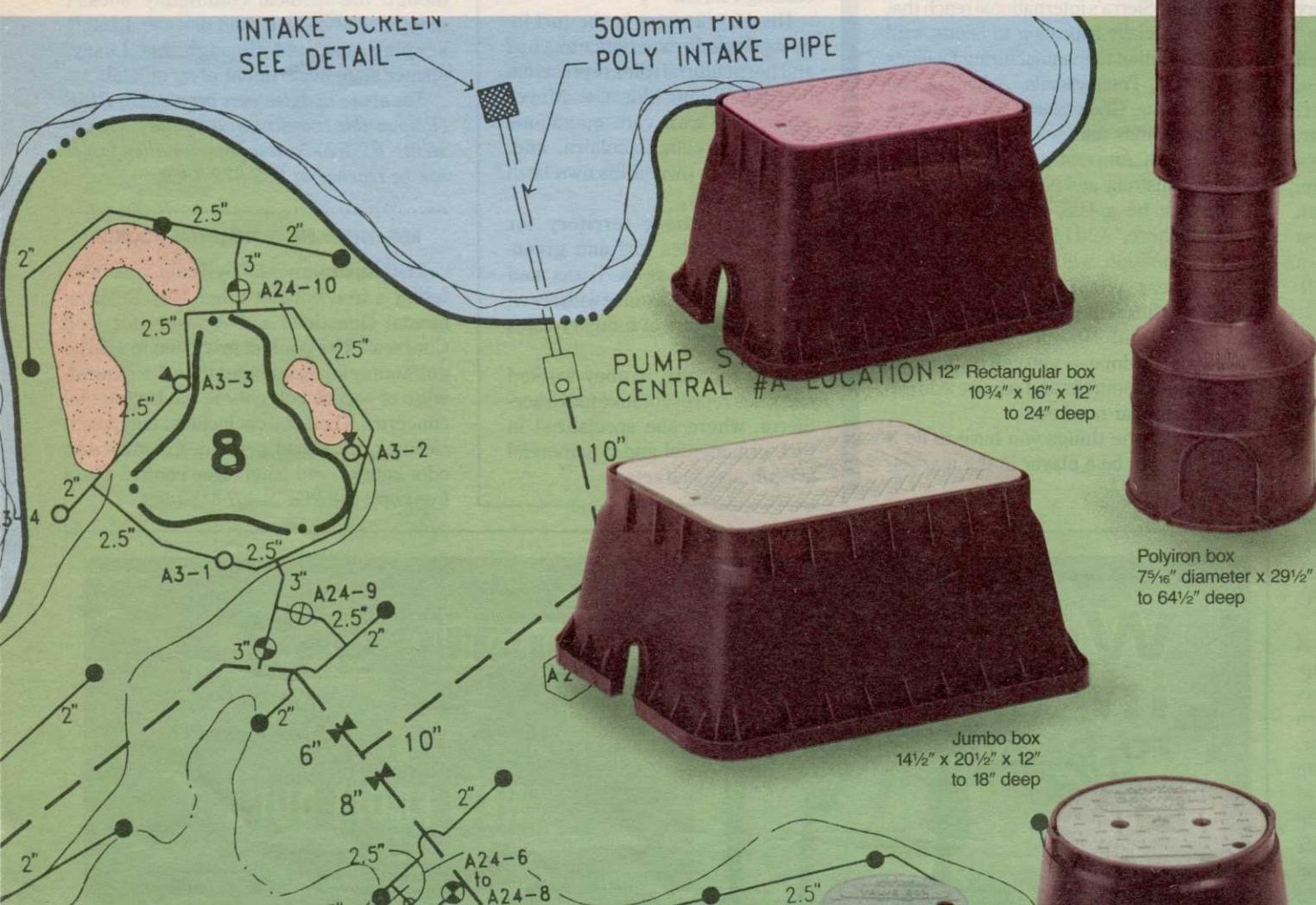
"Besides, the primary impact of golf is east of the Mississippi. So we feel it was a good place to start."

Burrell is no stranger to the golf accessory business. He served as president of Standard Golf from 1974 to 1982. He formed Southern Screen and Embroidery, Inc. shortly after leaving Standard, but stayed out of the accessory business because of a three-year no-compete clause.

Southern Screen and Embroidery concentrated on golf course uniforms, then got into the golf promotion business. The promotion was so successful, said Burrell, the company changed its name to Southern Corporate Promotions.

Southern Corporate Promotions will market the new line of accessories. For more information, call 1-800-233-3853.

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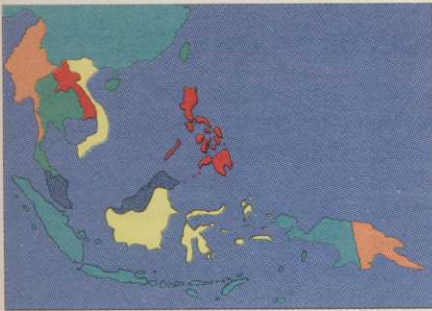


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GOLF COURSE NEWS

Asian Golf Course Report



Crackdown on land speculation hurting Chinese development

By ROBERT B. GLUCKSMAN

HONG KONG — The Chinese government is sticking to its crackdown on land speculation, with golf courses a particular target.

Several projects funded and patronized by local branches of Chinese banks, and even by government officials, have in the past two months found their loans called in with virtually no notice. Some industrial projects and even housing estates have had their loans released soon after they were called. But that is apparently not the case with golf courses, according to one regional executive who asked not to be named.

This targeting of domestically funded development projects appears unlikely to be a short-term measure: The Chinese government announced in early October that it expected the economy could not be slowed as quickly as it had hoped and that inflation would not be brought down significantly in 1994 from its current rate of nearly 20 percent. And, contrary to popular belief in Hong Kong, China does not "need" speculative land development, particularly in its southern provinces. The region is already viewed with suspicion from the center — but recently from a much closer distance, particularly since Zhu Rongji took control of the Chinese central bank during the summer.

While the overseas-funded courses being developed in south China are apparently not in financial danger, a more pressing problem could arise: The Chinese government has taken several high-profile actions in response to its failure to win the 2000 Olympic Games for Beijing. Given China's frustrations with Hong Kong's demands for democracy and political autonomy, and Taiwan's continuing moves toward democracy, it would not be surprising to find government agencies taking a particularly long time to scrutinize details of projects funded by Hong Kong and Taiwanese interests.

That would be especially true if the Chinese government felt that by doing so, it could bring more pressure to bear on the business interests in Hong Kong which it counts on to promote a "smooth transition" to Chinese rule in 1997.

Interport sponsoring U.S. trade mission preceding Golf Asia

NEWPORT BEACH, Calif. — Interport, Ltd. — U.S. sales agent for Golf Asia '94 in Singapore, March 24-27, 1994 — is also organizing a U.S. Department of Commerce trade mission to Southeast Asia in advance of what has become the biggest golf exhibition and conference in the Asia-Pacific region.

More than 7,200 trade visitors were attracted to the product and service presentations of over 200 exhibitors from 21 countries at Golf Asia '93. And, according to Interport President Charles D. Joy, "since Southeast Asia is the world's fastest growing golf market, with the number of golfers growing by an average of 25 percent annually in the region's major countries, each

year's Golf Asia exhibition promises to be larger than the last."

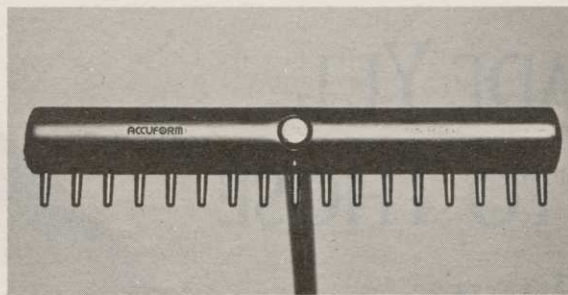
Interport is also arranging a U.S. Pavilion for American exhibitors within Singapore's International Merchandise Mart and the Commerce Department will provide worldwide promotion of Golf Asia '94 in its international export publications and overseas trade show listings.

The March trade mission — limited to 15 firms which will also have an opportunity to exhibit their products on a special basis in the U.S. Pavilion — will fly via Singapore Airlines to Bangkok, Thailand and Kuala Lumpur, Malaysia, before proceeding to the trade show in Singapore.

Mission goal, according Joy, is "to assist and introduce new-to-export and new-to-Asia golf firms to this rapidly developing market." Trade mission participants will have opportunities to assess the potential for their products; line up agents, distributors or wholesalers; arrange joint venture partnerships; and organize local manufacture of products under license.

The Asia Pacific Golf Conference, March 21-23, will precede the trade show. Both events are organized by Connex Pte. Ltd. and International Management Group. For more information, contact Interport Ltd., 510 31st Street, Ste. G, Newport Beach, CA 92663; telephone 714-673-3596; fax 714-673-1007.

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CIRCLE #162/BOOTH #4332

Seed & Soil Caddie goes mobile

Repairing divots on par-3 tees has always been a time-consuming problem for golf course superintendents. Divots add up because many players aren't aware of their responsibilities — or they're too lazy to walk to the bucket and back again.

Standard Golf's new Seed & Soil Caddie solves these problems by taking the best ideas in divot repair and placing them right next to the tee markers.

The mixture bottle features a spiked, easy-to-move holder and a friendly reminder decal ("Please fill divots"). The integral handle spout is curved, to keep the rain out, and the entire Caddie bottom screws off. For more information, contact Standard at P.O. Box 68, Cedar Falls, IA 50613; or call 319-266-2638.

CIRCLE #303

Lebanon unveils two-step granular

Lebanon Turf Products has announced the introduction of a new line of two-step granular fertilizers for the golf course maintenance market — NX-PRO. The first of its kind, NX-PRO will offer golf course superintendents a choice of nitrogen sources combined with a premium quality homogeneous fertilizer base.

The initial NX-PRO line will include three fairway and two greens grade fertilizers, along with pre-emergent herbicide combinations. Additional product offerings are under development and will be added to the line to meet market demand.

NX-PRO Fertilizers will be marketed through a nationwide network of golf course distributors. For additional information on NX-PRO Fertilizers, contact Lebanon Turf Products, P. O. Box 180, Lebanon, PA 17042; or call 1-800-233-0628.

CIRCLE #304

TMI's Attila Fescue available in '94

Turf Merchants (TMI) is pleased to announce availability of Attila Hard Fescue for 1994. Attila scored high in the 1991 national fine fescue turf grass trials, and is available for the first time in commercial quantities.

Attila displayed improved genetic color over standard varieties of hard fescue, and also showed the best winter color of any fine fescue including hards, chewings, and creepers in this trial. Spring green-up was excellent, as were leaf spot ratings compared to other varieties. Attila also exhibited a shorter canopy height measurement than Aurora, Silvana and Reliant hard fescue. For more information, contact TMI at 1-800-421-1735.

CIRCLE #305

LESCO's LCR-7400 has four-wheel drive

Steep hills or wet conditions are no problem for LESCO's new LCR-7400, which features automatic or full-time four-wheel drive for superior traction. Additional traction is provided by a unique hydraulic weight transfer valve that transfer weight from deck to tractor as needed.

Powered by a proven and reliable Perkins 27 HP diesel engine, the LCR-78400 has a two-speed transmission with differential lock. Independent

turn-assist brakes allow tight radius turns with minimal turf damage.

The LCR-7400 features a two-position, fold down roll bar for sufficient clearance. Its high-lift deck easily clears curbs and simplifies transport.

For a demonstration or to learn more about LESCO's line of commercial rotary mowers, contact your LESCO Sales Representative or call 800-321-5325 (in Cleveland, 333-9250).

CIRCLE #302

Vicksburg introduces K-Power fertilizer

Vicksburg Chemical Co. will introduce K-Power, the first line of potassium nitrate fertilizers for turfgrass in controlled release forms, during the 1993 International Golf Course Conference and Show in Dallas. The breakthrough comes as good news for more than 7,000 golf course superintendents who have used soluble potassium nitrate to fertigate on their greens, but have been unable to apply potassium nitrate across their entire fertility program.

The technology means that growers of turf can apply the ben-

efits of potassium nitrate-based fertilizers across their entire fertility program.

The K-Power line includes four varieties of potassium nitrate fertilizers:

- Greens & Tees; Fairways-with the Multicote controlled release system; Combination; Water Soluble-with selected micro-elements in a dry crystalline form

For more information, contact Vicksburg at 5100 Poplar Ave., #2414, Memphis, TN, 38137; or call 1-800-423-8629.

CIRCLE #301

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Bill Womac
Superintendent
Dunwoody Country Club
Dunwoody, Georgia

"Barricade's extra length of control is an advantage to us in the South, especially with our long, hot growing season. Overall, Barricade has proven to be more cost-effective for us than other preemergence herbicides we've tried. We plan to use more next year."

Steve Carr
Superintendent
Pocasset Golf Club
Pocasset, Massachusetts

"Barricade makes it easy for us to fine tune our control program, as the length of control is determined by the rate used. We've found that one application is all it takes to keep us crabgrass free until the start of cold weather."

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Diffused air system, totally submerged

The new Toro Diffused Air System is designed to inconspicuously enhance any aquatic setting. The System operates totally submerged, with no moving parts or electrical equipment underwater, and only a bubble plume visible on the water surface. The system installs in minutes and uses a shore mounted air compressor. The low-maintenance compressor is mounted in a sound resistant anodized aluminum enclosure for quiet operation even in the most pristine environments. The Toro Diffused Air System

functions in all water depths, but is most effective in greater than 12 feet of water. AquaScape manufactures a complete product line of Toro Pond Water Quality Management equipment, including surface aerators, fountains, submersible aerators and air stripping systems.

For additional information, contact: AquaScape, A Toro Partner, 2611 North Second Street, Minneapolis, Minnesota 55411-1634; or call 1-800-569-1345, or 612-521-3321.

CIRCLE #306

Software monitors frost conditions

Automata, Inc. has introduced its new "Field Vision-Coldspot" frost protection software which monitors real-time frost conditions in the fields. It sounds alarms and sends a message to a pager indicating sensor and current readings. The alarms can be set using temperature, wet bulb temperature and/or dew point. The software includes all of the data acquisition and data analysis features of Automata's Field Vision Base Station Software.

In conjunction with Automata's Field Stations and Telemetry System, the software continuously monitors fields in real-time around the clock.

Automata continues to develop new products to aid agriculturists in the management of irrigation, frost, and insect and disease pests. For a free data sheet, contact Automata, Inc., 16216 Brooks Road, Grass Valley, CA 95945; Ph: 800-994-0380; FAX 916-273-0381.

CIRCLE #307

Ottershade dye, for pond management

Otterbine/Barebo, Inc. has announced the addition of Ottershade, pre-measured lake dye to its line of water management products.

Designed with all sizes of pond/lakes in mind, Ottershade can treat many types of waterways including fixed fountains and small ponds. The water-soluble packages help avoid messy clean-up and disposal, while adding a healthy, blue hue to water bodies.

Ottershade is now available from more than 83 Otterbine distributors. Contact Otterbine/Barebo at 3840 Main Road East, Emmaus, PA 18049.

CIRCLE #308

Milona Over-Seeder

Milona Turf Products' new Over-Seeder allows you to prepare a 100 sq. ft. area for overseeding in about 20 minutes. The sharpened 1/4 inch tines will penetrate 1/2 to 3/4 of an inch deep; just right for seed germination and plant liability. You will experience fast grow-together from seed sprouts spaced one inch apart. The small holes have a minimal effect on putting, allowing the repaired area to be kept in play. This unit mounts on a cup cutter handle. Free brochure available. For more information, write Milona at P.O. Box 164, Rt. 3, Milona, MN 56354; or call 218-943-2900.

CIRCLE #309

Sevin now available

Rhone-Poulenc Ag Company announces that its CHIPCO Sevin brand 80 carbaryl insecticide will be available in water soluble packaging to green industry professionals in early 1994. CHIPCO Sevin brand 80 WSP was recently approved for use nationwide except in California, where registration is pending, according to Boyne. The premeasured packets contain 1.25 lbs. of product and are sold in cases of 32 packets. Each case contains 4 "miniboxes" of eight packets each.

CIRCLE #310

New body for Mite

Mitsubishi Motor Sales of America, Industrial Vehicles Division, recently announced the addition of a new high security Utility Body to its Mighty Mites line of off-road Industrial Vehicles. The heavy-duty utility body, manufactured from prime quality zinc coated galvanneal 16-gauge steel, features double paneled doors for extra strength, extra tough polyurethane paint finish and polished stainless steel door pockets for durability. For more information, contact Mitsubishi at 6400 W. Katella, Cypress, CA 90630-5208; or call 714-372-6000.

CIRCLE #311

Dick Stuntz
Superintendent
Alvamar Country Club
Lawrence, Kansas

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John Freeman
Superintendent
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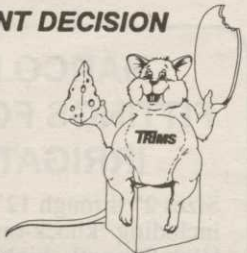
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CIRCLE #176

January

3-5 — Wisconsin Turfgrass & Green Industry EXPO in Madison. Contact Frank Rossi at 608-262-1490.

3-Mar. 11 — Winter Session, Rutgers Professional GolfTurfManagement School New Brunswick, N.J. Contact 908-932-9271.

5 — GCSAA seminar on Golf Course Safety, Security and Risk Management in Winston-Salem, N.C. *

5-7 — Second Annual Turfgrass Management/Park Maintenance Training School in Albany, N.Y. Contact 800-873-TURF.

6-7 — GCSAA seminar on Plant Nutrition and Fertilizers in Atlanta. *

9-14 — National Golf Foundation National Institute of Golf Management in Wheeling, W. Va. Contact 800-733-6006.

10 — GCSAA seminar on Maximizing Turfgrass Weed Control in Cromwell, Conn. *

10-13 — 34th Virginia Turf and Landscape Conference and Trade Show in Richmond. Contact Bruce Tharp at 804-340-3473.

11 — GCSAA seminar on Wildlife Management and Habitat Conservation in Cromwell, Conn. *

11-13 — Eastern Regional Nurserymen's Ass'n Trade Show in Kiamesha Lake, N.Y. Contact 203-872-2095.

13 — GCSAA seminar on Golf Course Safety, Security and Risk Management in Cincinnati

13 — GCSAA seminar on Practical Tree Management in Oak Brook, Ill. *

13-14 — New Hampshire Turf Conference in Manchester. Contact Thomas Rowell at 603-742-5117.

14 — GCSAA seminar on Wildlife Management and Habitat Conservation in Oak Brook, Ill. *

18 — Arkansas Turfgrass Ass'n Conference and Trade Show in Little Rock. Contact Angie McSwain at 501-663-8810.

18-19 — GCSAA seminar on Golf Course Construction Techniques and Management in Pittsburgh

18-19 — International Sport Summit in New York City. Contact Peter Cantor at 301-986-7800.

18-20 — 64th Annual Michigan Turfgrass Conference in Lansing. Contact Kay Patrick at 517-321-1660.

18-20 — Mid-America Green Industry Convention in Kansas City, Mo. Contact 816-765-7616.

19 — Professional Turf and Landscape Conference in White Plains, N.Y. Contact Carol Mueller at 914-636-2875.

20-22 — American Sod Producers Association Midwinter Conference and Exposition in Scottsdale, Ariz. Contact Tom Ford at 708-705-9898.

20-22 — Mid-America Horticultural Trade Show in Chicago. Contact 708-526-2010.

27 — Inland Northwest Turf and Landscape Trade Show in Spokane. Contact Julie Boyce at 509-534-4161.

31-Feb. 7 — GCSAA Annual Conference and Show in Dallas. Contact 800-472-7878.

February

4-6 — Executive Women's Golf League Business Links '94 in Palm Beach, Fla. Contact 407-471-1477.

6-10 — Club Managers Association of America Annual Conference and Show in San Antonio, Texas. Contact CMAA at 703-739-9500.

16 — GCSAA seminar on Turfgrass Stress Management in Suffern, N.Y. *

16-17 — Landscape Industry Show in Long Beach, Calif. Contact 916-448-CLCA.

17-18 — Nevada Landscape Conference and Trade Show in Reno. Contact 702-851-0423.

21-22 — GCSAA seminar on Golf Course

Continued on next page

Design Principles in Boise, Idaho.*

23 — New Jersey Landscape '94 in Secaucus. Contact 201-664-6310.

23-24 — GCSAA seminar on Protection of Water Resources in Gaylord, Mich.*

March

1-2 — Massachusetts Turfgrass Conference and Industrial Show in Springfield. Contact Joseph Troll at 413-549-5295.

2-3 — GCSAA seminar on Basic Principles of Turfgrass Management in Normal, Ill.*

3 — Spring Valley Turf Products Golf & Turf Fair in Pewaukee, Wis. Contact Jordan Sensibar at 414-677-2273.

5-8 — 45th Canadian Turfgrass Conference & Trade Show in Calgary. Contact 905-602-8873.

11 — GCSAA seminar on Maximizing Job Satisfaction in Phoenix

14-15 — GCSAA seminar on Managerial Productivity in King of Prussia, Pa.*

14-16 — Maine Turfgrass Show and Conference in Rockport. Contact 207-781-7878.

17 — GCSAA seminar on Implementing Strategies and Plans for Turfgrass Environmental Systems in Minneapolis.*

22-23 — GCSAA seminar on Golf Course Design Principles in Palm Springs, Calif.*

22-23 — Turfgrass, Landscape and Sports Turf Institute in Pomona, Calif. Contact 619-723-0947.

November

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

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

GCBAAs Meeting

Continued from page 23

ship meeting and seminars will be conducted Saturday.

Saturday night's awards dinner will include presentation of the *Golf Course News* Builder of the Year award to Landscapes Unlimited (see page 53 for story).

...

The GCBAAs will present a seminar on Saturday, Feb. 5, beginning at 1 p.m. The program includes:

- 1-1:30 p.m. — "The Proper Role of Laboratory Services in Golf Course Construction," Stephen McWilliams, Turf Diagnostics and Design.

- 1:30-2 p.m. — "The Role of the USGA in Green Construction and Laboratory Testing," Jim Snow, national director, USGA Green Section.

- 2:30-3 p.m. — "How to Know When Your Irrigation System Needs Replacing," David Truttman, Truttman & Associates.

- 3-3:30 p.m. — "Golf Course Pond Construction Using Geomembrane Liners," Fred P. Rohe, Environmental Protection, Inc., and John Heap, Colorado Lining Company.

- 3:30-4 p.m. — "Use of Native Plant Materials in Golf Course Maintenance," David Stock, Stock Seed Farms.

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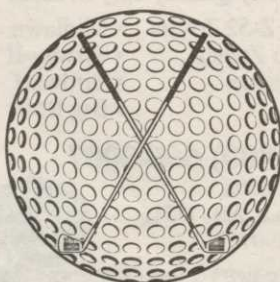
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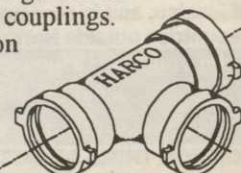
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RS# Advertiser Page Booth

161	Accuform Golf Ltd.	71	4103
128	Aeration Industries	40	4165,4167
160	Ametek	70	4264
146	The Andersons	51	1945,1947
119	B.H.Sales	28	4040,4042
145	Best Sand	21	—
147	Buckner, Inc.	52	3432
101	Cedar Chemical	2	4237,4239
104	Ciba-Geigy	4-5	3831
108	Ciba-Geigy	12-13	3831
157	Ciba-Geigy *	66-67	3831
177	Colorado Lining Co.	76	4241
178	Contech Constr. Products	76	3909,3911
170	Continental Bridge	75	939,941
118	Davey Tree Experts	27	1043
129	Double Springs Grass Farm	40	—
159	Dura Plastic Products	69	622
191	Dynacomm	77	—
154	Emerald Isle, Ltd.	61	1317,1319
144	Envirogenesis	21	1556
190	Environ. Compliance Sys.	77	4115,4117
115	Environ. Protection, Inc.	26	4417
182	Environ. Systems	76	—
179	Excel Bridge Mfg.	76	1507,1509
112	Flowtronex/PSI	50	4022
106	Foley-United	7	2109
155	Fore Par	63	3616
181	Formost Construction Co.	76	—
142	Formost Construction Co.	11	—
192	Fox Lake Construction	77	1005
176	Furness Golf Construction	75	—
156	Golf Asia '94	64	—
109	Golf Course Expo	14	3809
167	Golf Course News Asia-Pacific	68	3809
138	Golfplan	48	1410,1412
114	Grace-Sierra	24	3440
152	Grace-Sierra	58	3440
183	Greens Encroachment	76	1332
172	Greenscape Pump Services	75	4214,4216
184	The Harrington Corp.	76	4150
121	Hunter Industries	30	3640
103	Intergolf Design	3	—
148	ISK Biotech *	54	1942
195	ISK Biotech *	54	1942
113	Jacklin Seed Co.	22-23	3842
166	Jacobsen	80	—
149	Jesco Products/Pinhigh	55	937
110	John Deere	18-19	3132
189	JPF Distributors	77	—
139	Kirby Markers	48	91
120	Lebanon Turf Products	29	631
116	Markers, Inc.	26	3948
130	Master of the Links	40	3754,3756
137	Melex USA	47	3348
141	Melex USA	49	3348
135	Melex USA	45	3348
133	Otterbine/Barebo	42	1709
102	Page Com	3	902,904
143	Partac	47	—
171	Pavelec Bros. Construction	75	—
136	PBI/Gordon Corporation	46	3248
165	PBI/Gordon Corporation	79	3248
140	Perfection Sprinkler	48	741
124	Precision Small Engine	34	1332
173	Precision Small Engine	75	1332
185	Precision Tool Prod. Co.	77	—
187	Precision Tool Prod. Co.	77	—
122	Pro-Seed USA	41	3810
123	Pursell Industries	33	3942
125	Pursell Industries	35	3942
180	Qquest Software Systems	76	1239
174	Quail Valley Turf Farm	75	—
127	Ryan,	—	—
—	Ransomes America Corp.	38-39	3110
134	Regal Chemical	44	1611
—	Rhone-Poulenc *	17	2940
—	RISE *	66-67	—
117	Safety Storage, Inc.	27	1847
163	Sandoz	72-73	3148
126	Seed Research of OR	36-37	4324
105	Smithco	6	2022
151	Smithco	57	2022
162	Southern Corp. Promo.	71	4332
111	Standard Golf	20	2932
150	Tee-2-Green	56	2009,2010
153	Textron Financial Corp.	60	1633
164	Toro Comm'l Prod. Div.	78	2612
107	Toro Comm'l. Prod. Div.	8-9	2612
175	Trims International Software	75	531-535
132	Turflite, Inc.	41	721
158	Unit Structures	62	4348
131	United Soil Blenders	41	—
186	Yard Edge	77	—
188	York Bridge Concepts	77	1448

* Appears in regional editions.

Cities and towns take control of developmental destiny

By HAL PHILLIPS

WILLIAMSBURG, Va.—When the Williamsburg Chamber of Commerce explored the possibility of expanding the region's reputation as a golf destination, it made life easy for the developer.

First, the chamber formed a Golf Course Subcommittee (GSC) within its Economic Development Committee.

Second, the GSC commissioned its own demographic and marketing study, paid for by local business donations and prepared by Charles Less & Co. The study

revealed the Greater Williamsburg area — already home to a pair of high-profile, multi-course resorts: Kingsmill and the Golden Horseshoe — could absorb as many as 10 new stand-alone golf courses: eight daily-fee and two municipals.

"We have plenty of golf courses that will cost you \$100," said Carey Minor, GSC chairman. "We need some that charge \$50 or less. And we need to encourage municipal development."

Third and finally, the chamber made sure developers knew that

only projects compatible with Williamsburg's plans would be accepted. "Hopefully we have planted the seed and they will catch the vision," said Minor.

The results have been "gratifying," said Minor. One stand-alone daily-fee course is already under construction; another is nearly through the permitting stage; and the city of Williamsburg is close to signing off on its first municipal golf course project.

The Williamsburg example dispels the myth that cities and towns interested in developing golf

courses must go the municipal route. Further, while the Williamsburg scenario has been very successful, it is not necessarily uncommon. Municipalities all over the country have grasped the notion that public-access golf development fills a need and makes money—for investors and taxpayers alike.

"I think it's a good idea for cities to take a look at the overall market for golf," said National Golf Foundation Vice President Rick Norton. "Communities, like this one, have asked the question:

'How can we stimulate the market?' That's the right question because communities — especially if they have tourism — need to understand what the opportunities are and which niches need to be filled."

Communities like Williamsburg, Sussex County, N.J., Baltimore County, Md., and Virginia Beach have all pursued this sort of development strategy. Their methodical approach to golf course construction is one reason public course construction is exploding. Of the record 1,064 golf courses that opened between 1991 and 1993, fully 81 percent have been public-access facilities, i.e. daily-fee, municipal or resort.

According to the National Golf Foundation (NGF), 83 percent of golf courses currently under construction are public-access; 74 percent of those in planning are public-access.

Conversely, NGF research shows private golf courses are declining as a percentage of the nation's golf course stock. New construction is down and cash-strapped clubs are forced to go public and semi-private in increasing numbers. Virginia Beach plans to send out request for proposal (RFP) sometime soon

While the number of public-access golf facilities has risen at unprecedented rates over the past seven years, their diversity — in terms of price — hasn't necessarily followed suit. Niche markets must be identified before they benefit anyone.

The case of Williamsburg provides an excellent example of methodical planning and cooperation to achieve the desired results.

"The chamber asked me to head up this committee a year ago," Minor explained. "All we've done is take what we've got, add to it, and try to expand our tourist trade. We've proceeded in an orderly, progressive manner. We have no desire to be another Myrtle Beach, but we're very close to the Northeast Corridor."

The area is close to Colonial Williamsburg, Busch Gardens and 10,000 hotel rooms, too.

"A developer loves to hear that," said Minor with a laugh. "When a developer comes to town, we will have done a lot of the work for him. The difference is, we make sure the development is marketed to the right type of golfer."

"As far as I'm concerned, if you go about it in a diplomatic way, you're fine. Give them [developers] a mandate and they either accept it or reject it."

Minor and the GSC also walked a fine line with Kingsmill and Golden Horseshoe. Representatives from both resorts were invited to (and attended) all GSC meetings. They were given roles in commissioning the study. And the city continued its strong support of the Anheuser-Busch PGA Tour event held annually at Kingsmill.

"They have different agendas," Minor said. "And we don't want to get into the resort business."

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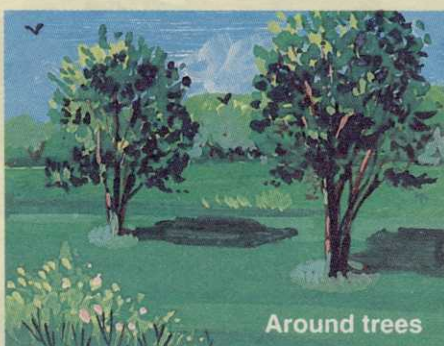
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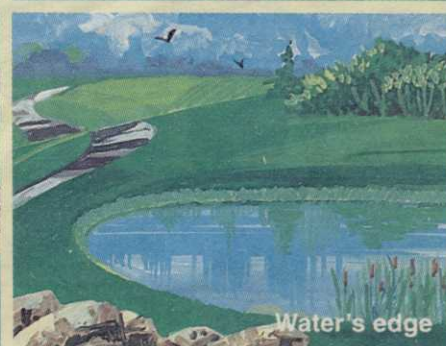
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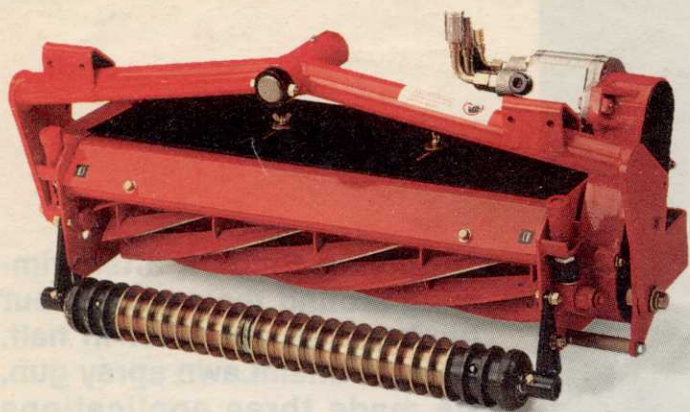
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