USGA, wildlife groups cooperate on research

By MARK LESLIE
WASHINGTON, D.C. — Extensive research investigating golf courses as ecosystems will be undertaken as early as this fall, thanks to funding from the U.S. Golf Association (USGA) and enthusiastic support from several environmental organizations.

After a meeting here with environmentalists, Ron Dodson, president of the Audubon Society of New York and chairman of the USGA Wildlife Subcommittee, said: "The collective agreement of all those attending was that instead of spending so much time looking at particular species, we should be looking at golf courses as ecosystems."

"And we should focus our attention on ecosystems where there are many golf courses and lots of potential for new courses to be built — like Florida, California, New England and the coastal mid-Atlantic region."

Enthused by the input

Summit illustrates need for image-building PR campaign

By HAL PHILLIPS
SCOTTSDALE, Ariz. — The recent Golf Summit yielded this stark realization: Poor public image stands as the single largest hindrance to golf industry growth.

"If image isn't everything, it's darn close. Many still consider golf a pastime of rich, white males. Whether this assessment is less accurate than it was in, say, 1970, is irrelevant. The public at large has this perception, and it's particularly damaging because if adversely affects golf's other two major obstacles: the environment and player development."

This became crystal clear during Golf Summit '94, the two-day strategy session sponsored by the National Golf Foundation (NGF) here in November. In response, Summit attendees agreed that golf...
From Tee-2-Green

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

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

Penncross
For tees and greens

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

A few fine courses with Penncross greens:
- PGA West Stadium Course
- The Vintage Club
- Troon North Golf Club
- Wolf Run Golf Club
- Eagle Crest Golf Course
- Kananaskis Country Golf course

Pennneagle
For fairways


A few courses with Penneagle fairways:
- Oakmont Country Club
- Butler National Golf Club
- Pumpkin Ridge Golf Club
- The Merit Club
- Inverness Club (Toledo)
- DesMoines Country Club

PennLinks
For new greens, green renovation and overseeding


A few fine courses with PennLinks greens:
- Wilmington Country Club
- Inverness Club (Toledo)
- SandPines Resort
- Prairie Dunes Golf Club
- Baltimore Country Club
- Wild Wing Plantation

PennWay Blend
For fairways and winter overseeding greens

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

A few courses featuring PennWay:
- Wakonda Club
- Carlton Oaks Country Club
- Riverwood Golf Club (winter overseeded greens)

PennTrio Blend
For tees, fairways, greens, and winter overseeding

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

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

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

CIRCLE #101
**TERRAVITA GC UNVEILED IN THE ARIZONA DESERT**

A late-afternoon sun frames the 9th hole at Terravita Golf Course. Opened for play last month in North Scottsdale, Ariz., this Copper/Nash design is the first project of its size to be developed under the City of Scottsdale’s Environmentally Sensitive Lands Ordinance guidelines for desert development. Paul Ellwood is the new superintendent and Phil Green the director of golf.

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**Survey: Safe chemical use a public concern**

Half those surveyed believe pesticides available to the public are thoroughly tested; the other half aren’t so sure.

Birmingham, each group comprised adults of mixed age, gender, area of residence and education. Each discussion lasted 90 minutes to two hours. Quantitative research included a telephone survey of 1,000 adults, 18 years and older, and consisted of 83 questions. Each phone interview lasted approximately 22 minutes. Key findings showed:

- Many Americans clearly see the benefits of pesticides and are willing to balance their personal and environmental health and safety concerns with these perceived benefits.
- The most trusted sources of information on pesticides are local government agencies: extension services, poison control centers and departments of health.
- Professional applicators are thought to be safer with the pesticides they apply, even though they are thought to use stronger pesticides than homeowners.
- The majority of people use some form of pesticides, with controlling household insects/rodents ranking first, then lawn care ranked third with 48 percent, while lawn care ranked third with 30 percent. One in 10 respondents

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**FREE Turfgrass Guide Specifically for Golf Courses**

What turfgrasses would work best on your golf course? The right choice now can make a big difference later. The Golf Course Professional’s Guide to Turfgrass Selection will help you decide.

The guide is a quick, easy reference arranged by geographical areas. It suggests turfgrass species, and lists the varieties and seeding rates best suited to your locale. A separate section on southern winter overseeding details new trends, listing the advantages and drawbacks of various species. The guide is a "must" for new course construction and for renovation projects. Get your free copy today!

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**NEWS IN BRIEF**

**MIAMI** — Golf at sea? Well, Royal Caribbean Cruises says it will unveil a complete (if miniaturized) 18-hole golf course aboard one of its new cruise ships, due to debut in the Caribbean come May. The first-ever course of its kind will reportedly feature sand traps, trees, Scottish heather and, presumably, lots of water hazards. There’s no word yet on yardage.

**MARION, Iowa** — A proposed golf course and housing development here would create about $1 million per year in property taxes and $500,000 for the Linn-Mar school district. The proposed $20 million Hunters Ridge project will include a daily-fee, 18-hole golf course along with 278 large lots for upscale homes and 100 townhouse units. The project is being undertaken by a private partnership involving local businessmen Bob and Dave Verhille, Ralph Blackford, and George Powers.

**LITTLE ROCK, Ark.** — Burns Park now has a full, 18-hole golf course to complement another 18. A new nine-hole course, under construction for 30 months, has been added to an existing “short nine” to create a par-71, 6,300-yard layout. In the spring, builders will finish sodding and installing cart paths. The new nine cost about $200,000 and was funded by the city of North Little Rock and the Burns Park men’s golf association.

**AUSTIN, Texas** — The city will spend $100,000 to study pollution from golf courses. The city has hired Spectrum Research Inc. of Duluth, Minn., to perform the work. The project will include evaluation of city golf course management practices and recommendations to minimize pesticide and fertilizer pollution of waterways on and off the city’s six municipal golf courses. Private courses are also likely to participate in the study.

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CIRCLE #102

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**GOLF COURSE NEWS**

January 1995

3
Developers retain hope for San Diego golf projects

SAN DIEGO, Calif. — Last summer's defeat of a ballot proposal to develop 12,000 acres on the city's northern fringe seemed to dash any near-term hopes of fashioning a new urban community that was scheduled to include two championship golf courses. But developers haven't given up hope for some sort of golf development farther down the road.

Landowners spent nearly $2 million to try to convince voters to approve Proposition C, a move that would have cased the way for development on 12,270 acres of rolling hills, canyons, grazing land and farmland long held in reserve for future development. The site is known as the North City Urban Reserve.

Under a 1985 managed-growth initiative, citywide voter approval is required before most development can occur in the area. The reserve is one of the last chunks of undeveloped land in San Diego.

Doing their best to recover from the ballot defeat, developers and landowners are busy trying to draft new plans or resurrect old ones in an effort to salvage some kind of development.

The single largest property owner in the reserve, Potomac Investment Associates, is reworking an already-approved development plan in an effort to reduce its costs for roads and utilities. Part of that plan calls for two championship golf courses. At least one of the golf courses is scheduled to be ready for play in 1998.

An 18-hole golf course and 160-room resort hotel are also part of development plans for a Phoenix-based developer with 350 acres in the reserve.

Calif. man arrested in extortion plot to acquire golf course

BOWMAN, Calif. — Steven Mark Mabbett of Colfax was arrested by Placer County officials after a failed extortion plot to take possession of the Black Oak Golf Course.

Mabbett, 47, was arrested on suspicion of attempted extortion and remains in Placer County Jail in lieu of $10,000 bail.

Mabbett, a former employee at Black Oak who was laid off, had allegedly sent a series of threatening letters to Gordon Morrice, the owner of Black Oak Golf Course, in late September 1994. Mabbett threatened to tell federal tax authorities that Morrice supposedly had not reported a large amount of income. Mabbett eventually sent Morrice a letter demanding that Morrice sell him the golf course for $1 million with no money down and no interest.

Morrice went to authorities to tell them about Mabbett's threats. Morrice then wore a hidden microphone on loan from the Department of Justice to record several meetings with Mabbett. Mabbett was finally arrested during a meeting with Morrice at a Denny's restaurant.

Morrice has denied any financial wrongdoing at the course.

Late payments may cost town its facility

ARVIN, Calif. — A lawsuit has been filed against the city of Arvin for failing to make payments on certificates of participation issued to finance the town's $8 million Sycamore Canyon Golf Course.

State Street Bank is seeking ownership of the course and compensation for lost interest payments on the 18-hole development.

Placed over a 20-year period, the city's final price tag for the course could exceed $28 million. So far, Arvin has defaulted on between $650,000 and $1.2 million in payments. The city has been in default on payments since August 1992.
Condensed golf course could help speed play

MURRIETA, Calif. — It was only a matter of time. Norm Achen of Temecula and a group of investors are looking into a brave new style of golf experience that would reduce the amount of time it takes to play a round in half and cut the price of greens fees.

Achen envisions a compressed golf "course" where players would hit their drives and successive shots from a series of hitting stations that would have a ratings system to evaluate the shots. Under Achen's plan there would be no strolling down the fairway between shots to find one's ball.

Achen and his investors are hoping to build the condensed "course" on a barren 33-acre site in Murrieta. He said he is confident he could charge lower greens fees because the maintenance costs for a 33-acre site would be far less than those for a 150 to 200-acre site common to standard golf courses across the country. Achen estimates construction costs at $2 million.

If the concept proves successful, Achen and his investors, who have incorporated as Duplic ate Golf Inc., will try to market the idea in golf franchises internationally, particularly in countries like Japan, where golf is extremely popular but land is very expensive.

Palm Springs to add layout

PALM SPRINGS, Calif. — The City Council is considering a proposal to build a 27-hole golf course resort designed by Byron Nelson's architectural firm.

The Palm Springs Classic resort, which would include a 400-room hotel, up to 500 vacation ownership units, and 30 acres of offices for research and development, retail, and light industrial business, is awaiting approval of a final environmental impact report, a general plan amendment, a preliminary planned development design plan, and grading plans.

The proposed builder is D.T. Palm Springs Inter-Continental Golf Center Enterprises.

Calif. officials reject polluted course location

FRESNO, Calif. — Contamination problems at the site proposed for the new Airways Golf Course have prompted city officials to abandon those plans in favor of renovating the existing golf course.

The state Department of Health Services found groundwater contamination from cleaning solvents dumped at the Fresno Air Terminal site many years ago.

City officials said the contamination probably dates back to World War II when the area was Hammer Field air base.

Terry Cooper, a city transportation director and Fresno airport's manager, said the airport has been proposed for the state's Superfund list.

The recent contamination problems are the latest blow to the course's fading hopes.

Since at least 1989, plans have called for a new $4 million course. The course was supposed to open in 1991.
Opponents try to nix Tenn. course funding

KNOXVILLE, Tenn. — A group of concerned citizens is trying to legally block city officials in Oak Ridge from selling capital outlay notes to finance a $5.5 million golf course/residential development.

Seven Oak Ridge citizens have filed a legal brief with the Tennessee Court of Appeals asking the court to reverse a lower court decision against them. The citizens claim the city's plan to finance the public golf course with $6.2 million in capital outlay notes violates a section of the Tennessee Constitution. They say selling notes to further the city's obligations under the Master Development Agreement with Cowperwood Co. "constitutes a lending of credit or in aid of a private corporation."

The citizens first sued the city on April 6, 1994, the day before the city was scheduled to sell the notes to finance the $5.5 million golf course. The citizens maintain the city must hold a referendum on the note sale, an idea which the City Council defeated in a 4-3 vote in March.

Vandals cause $10,000 damage to Ga. golf facility

WOODSTOCK, Ga. — Seven juveniles caused so much damage to an 18-hole golf course under construction in Towne Lake that investigators called in a helicopter to photograph it all. Cherokee County Sheriff's deputies arrested four boys and three girls - all 15 and 16 years old - after getting a call from the grounds crew chief at the new Towne Lake Hills West course.

Damage was estimated at $10,000. The damage included greens gouged with symbols, names and profanity and what one deputy called "satanic symbols." The youths also drove a pick-up truck onto the course.

The seven youths were charged with criminal damage to property and truancy.

AGC HAS $250,000 IMPROVEMENT PLAN FOR GEORGIA LINKS

AUGUSTA, Ga. — The Goshen Plantation Golf Club has been bought by American Golf Corp. Santa Monica, Calif.-based American Golf declined to disclose the purchase price but said it plans to make more than $250,000 in improvements at the course within a year. AGC is Goshen's fifth owner. Improvements planned for the course include complete renovation of the course's irrigation system, an upgrade of the clubhouse and driving range, new golf carts, design and construction of a new club entryway and upgrading of the parking lot. The course will remain semi-private.

US Homes to complete S'West Fla. layout

LEE COUNTY, Fla. — With U.S. Home's nurturing, the once-troubled Villages at Country Creek on Corkscrew Road in south Lee County is now blooming.

Earlier in 1994, U.S. Home, the nation's fifth largest builder, agreed to develop the faded 283-acre golf course community north of Bonita Springs from a subsidiary of General Electric Capital Corp. Since then, U.S. Home has spent $3 million upgrading and beautifying the property, according to Tony Persichelli, division vice president of U.S. Home. The community originally was started by a Northern developer who was unable to complete the project for lack of money and local interest. Other communities U.S. Home has developed in Lee County include Kelly Greens, Whiskey Creek, Brookshire and Cross Creek. U.S. Home has sunk a little more than $2 million into renovations at the 18-hole golf course and lake. A 12,500-square-foot clubhouse has also been refurbished and redecorated. As of February 1994, about 274 residents were living in the Villages. U.S. Home's goal is to have about 700 more residents move in over the next four years.
Voters to reconsider upgrade of Mass. layout

DUXBURY, Mass. — Town officials are seeking citizen approval for a $1.5 million project to add nine holes and make improvements to the already existing North Hill golf course.

The proposal, which is scheduled to go before voters at a town meeting in March, is scaled from the plan residents rejected last year. The original proposal called for a $3 million project that included a completely redesigned 18-hole golf course with a new entrance. The new version calls for spending about $1.5 million to add nine new holes, improve the existing nine, build a clubhouse, and add an additional entrance off Route 3A and possibly adding a driving range. The plan calls for doubling the amount of town-owned land dedicated to golf from 72 to 150 of North Hill's 337 acres.

Under the terms of a management agreement, the course provides the town with about $60,000 in annual income. Expanding the course to 18 holes could more than double the amount, according to Selectman Friend Weiler.

The new plan calls for siting the new nine southeast of the existing course, which would not infringe on the possible habitat of an endangered species of turtle.

Maine track to expand to 18 holes

SCARBOROUGH, Maine — A 6,500-yard, par-71 public golf course geared to the "average golfer" has been proposed on a 300-acre site adjacent to the Maine Turnpike, near a major shopping area here on the outskirts of Portland, the state's largest city.

Daniel Hourihan, executive vice president of First Atlantic Corp., and his partner, Ron Coffin, plan to build the course — to be called the Atlantic Golf Club — on a site that now accommodates a small, 9-hole golf course. The golf club will feature a 300-yard-long, 150-yard wide driving range in the middle of the course.

Hourihan says the proposed $2.5 million project will be set up with relatively generous fairways and greens to promote faster play and fewer lost balls. Hourihan has hired Craig "Rip" Jones, a Falmouth-based consultant and former executive vice-president for Gary Player Co., to design the course.

Conn. muni faces local tax dilemma

FAIRFIELD, Conn. — Bridgeport officials have been warned that if they hire a private management firm to run a new 18-hole complex they could face higher taxes.

Course officials are reviewing three proposals submitted to manage city-owned Fairchild Wheeler Golf Course. Selectman Paul Audley said hiring a private management firm would change the complex's tax status and subject it to new taxes.

Audley said the facility has the option of applying for "open space" classification, which would result in $343,100 in taxes. The standard rate would result in $195,000 in taxes. Bridgeport officials believe the management contract could save $600,000 in annual maintenance.

Scarsdale considers new driving range

SCARSDALE, N.Y. — County officials are weighing the impact of a proposed $4 million aquatic recreation area and lighted year-round driving range at Saxon Woods Golf Course. The county has proposed a 72-stall facility built and run by a private company at no cost to the county. The range and park would be located in a 700-acre park straddling several communities.

Many golfers have welcomed the idea, but some neighbors have objected to it, particularly the proposed night lighting.

VOTERS REJECTION OF CASINO GAMBLING KILLS R.I. COURSE PLAN

COVENTRY, R.I. — Voters' rejection of casino gambling here mixed plans to convert a 200-acre sand and gravel pit into a $200 million gaming area and golf course. Nicholas E. Cambio, who faces criminal charges stemming from the widespread New England banking collapse, had said he and his partners would like to sell the pit to a casino and resort developer. The site is near the proposed Narragansett Indian casino in West Greenwich.
Opposing groups find forum at III. ceremony

NEW LENOX, Ill. — There were two distinctly different ceremonies taking place simultaneously at the recent groundbreaking for the New Lenox Park District golf course. The first ceremony involved men wearing suits and ties, holding polished spades and golf clubs. The second included people wearing flannel and jeans.

The first group - mainly New Lenox officials and developers - had gathered to commemorate the groundbreaking for the new New Lenox course. Native Americans, their supporters and the curious made up the second group. Their ceremony commemorated the site where the remains of three Native Americans were found last year. Since May, members of the Native American group "AIM" stood on honor guard at the burial site. Police were at the site for groundbreaking ceremonies but no incidents occurred between the two groups.

The golf course is due to open in June 1996. Park district officials have redesigned the course to allow the burial site to remain un molested and park officials are negotiating the future of other land where the remains of Native American log lodges were discovered.

III. city seeks course builder

CAHOKIA, Ill. — Opponents of a proposed municipal course are questioning the propriety of a developer already being lined up to build the course without making a competitive bid.

Voters will consider whether the village should issue $5 million in revenue bonds to have a public course built. Mayor Mike Widstrand says the village will seek competitive bids if it has to and that the taxing district will protect taxpayers in case the golf course fails to pay for itself.

Golf course backer Dick Gundlach, owner of Fairway Golf Development Corp., wants to build the golf course if the bond referendum passes. But several opponents of the course are questioning whether Gundlach, who apparently has never built a golf course, should get the proposed $5 million job.

Facelift planned for Indy layouts

INDIANAPOLIS — Renovations to four public courses are a central part of an ambitious plan to create a 976-acre regional park along the White River.

Renovations to the existing Riverside Golf Course and the South Grove Golf Course and a redesign at the Coffin Golf Course are part of an $18 million plan to expand Riverside Park. Reconstruction of the Coffin Golf Course is ongoing and bids are out for remodeling work at Riverside and South Grove golf courses. In addition, a family golf academy is under construction at the city’s former tee nursery. The project will be financed with private and public monies.
River Oaks ponders new nine

COTTAGE GROVE, Minn. — Officials in this city just south- east of St. Paul are considering a nine-hole expansion to the current 18-hole River Oaks Municipal Golf Course.

They’re also considering adding a new dining room to the existing clubhouse. River Oaks, which opened almost three years ago, is the only publicly owned and operated golf course in Washington County. Approximately 42,000 rounds of golf were played at the course last summer and manager Bruce Anderson estimated that the club made a profit of approximately $30,000.

A consultant earlier this year predicted that a proposed 18-hole municipal golf course and driving range in Woodbury would reap the city estimated annual profits of at least $300,000 over the next 20 years. There are also plans in Oakdale for an 18-hole course under a private-public arrangement.

City to fund infrastructure for golf course

HIGHLAND HEIGHTS, Ohio — A residential/golf course development project almost nine years in the making appears to be inching closer to reality. A major obstacle had been questions about drainage and sewers. The city will issue bonds that will be repaid from fees charged at the public course. No city money will be used.

The land is owned by Miner Properties Inc., and Aberdeen Limited Liability Corp. is the developer. Plans call for 100 to 200 single housing units in the $250,000 to $300,000 range and an 18-hole golf course on 480 acres.

Oklahoma links finally opens

MCALESTER, Okla. — The 18-hole Thundercreek Golf Course, the town’s first municipal layout, recently opened. The course was built in just over two years. Energy Construction Specialists and Chambers Construction handled much of the work. The irrigation system was done in-house. The course architect was Randy Heckenhamper.

Financing came from a 1992 bonding measure that received overwhelming voter approval and allowed the course to issue $3 million of bonds.

June unveiling set for NC track

MERANE, N.C. — An 18-hole golf course that is part of the 665-acre Club at Mill Creek is being seeded and workers are laying sod around the greens in anticipation of a June 1 opening.

The course will be semi-private. First Oakland Properties of Raleigh, which is handling the golf course development, expanded the course acreage slightly to avoid wetland areas and agreed to monitor the site for any contamination of water due to chemicals.

Minn. developers threaten countersuit

HIWABIK, Minn. — Two groups opposing development of an 18-hole golf course at Giants Ridge Recreational Area have filed an appeal to stop or at least delay construction.

But the Iron Range Resources and Rehabilitation Board, which oversees the site, has said that if construction is delayed by a legal injunction, it will ask that a $1 million bond be posted against the environmental groups.

The Iron Rangers for Responsible Ridge Action (IRRRA) and the Minnesota Center for Environmental Advocacy are seeking to delay any construction until further environmental studies can be completed. They are upset with a decision of the St. Louis County Planning and Zoning Commission which stated that construction at the site, which includes hills, lakes, streams and heavy forest, could begin without a full-blown Environmental Impact Study.

IRRRA has maintained that a series of agency-paid environmental studies are sufficient. Those studies found that the golf course would not have a significant environmental effect. A $4.8 million contract to build the golf course already has been issued to Park Construction of Minneapolis.

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A

Correctly identify the Lofts’ varieties described in the questions below. Choose your answers from the “answer box” below and fill in the six blanks. Checking our ads in some of the professional publications you read will help! The first 250 entries with the six blanks completed correctly will receive a sleeve of three Titleist golf balls.

1. This variety of grass, developed by Dr. Richard Hurley, is played and putted at Shinnecock Hills Golf Course in preparation for the 1995 US Open while Congressional Country Club is preparing for the ‘95 Senior US Open by overseeing their fairways with this new bentgrass.

2. This is a cool season grass that satisfies some environmental concerns since it requires almost no fertilization or mowing and contains endophytes for natural control of insects. This grass creates a very attractive, natural look for out-of-play roughs or wherever a low-maintenance grass is desired.

3. What turf-type perennial ryegrass is named after the “King” of all professional golfers and is used as a fairway grass on many of “the highest-rated golf courses in the world”?

4. Named after a famous professional golfer, this new “heat-tolerant” creeping bentgrass was developed by Drs. Engleke and Lehman at Texas A&M. The Atlanta Athletic Club is in the process of renovating all 18 greens and seeding with in order to maintain the high standards members have come to expect.

B

Now, a correct answer to the following question qualifies you for the grand prize — the all-expense-paid trip to the US Open, June 1995. In the event of ties all seven questions answered correctly, a winner will be selected by a random drawing.

Which professional golfer won the Vardon Trophy twice in his tour career and finished second behind Jack Nicklaus in four major championships?

C

Please print your Name, Title, Name of Golf Course and Address.

I agree to have my name, golf course and phone used for publicity purposes.

Signature

Address

City...

State...

Zip...

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And while I'm on the subject...

O f course, we're biased. But it's hard to imagine the Golf Course Superintendents Association of America choosing two more deserving recipients than Mr. Michael Hurdzan for his President's and Distinguished Service awards, respectively.

Both gentlemen serve on the Golf Course News Editorial Advisory Board, and they serve it extremely well. When it comes to their concerns on issues that affect superintendents and developers — a major change from decades ago when useful, helpful, innovative methods were held close to the vest and kept as secrets to take to the grave.

"What I have seen is, the superintendents' associations have moved from being social organizations to truly one of the most professional and highly educated," said former superintendent Mike Hurdzan, now a golf course architect. "Look at the Rocal Golf Course Awards. Everyone in the industry participates, the GCAs (Golf Course Superintendents Association of America) offers its members, and sponsors, and together it's a development it offers, and the support it has. No longer are they hiding ideas, they try to share them. In the '50s guys wouldn't tell you how to do something. Now they share equipment and manpower, if necessary, to help someone out."

"And taking a little pleasure for Golf Course News to introduce Golf Course Expo, the first conference and trade show to share information specifically geared toward the golf course facility, Maintenance, Development, and Management and Marketing education, and then we include the follow up keynote addresses from Arnold Palmer and Robert Trent Jones II. Here are a few samplers to whet your appetite — and remind you to mark your calendars for the 1995 show, Nov. 9–10 in Orlando."

• From U.S. Golf Association (USGA) Green Section Director Pat O'Brien: Contour mow fairways; reduce mowing acreage such as around tees, out-of-play areas and pond banks; and equip maintenance staff with two-way radios.
• Doral Golf Resort Director of Golf Course Maintenance and Grounds Patrick McHugh shared the 10 Commandments of Successful Human Relations: re-acquire the arts of kindness and persuasion; put consideration of human dignity higher than promotion or working conditions; keep circulating to be seen as well as heard from; get rid of the duplicity of behavior; preface a request to subordinate with "please"; don't take yourself too seriously, praise fearlessly, giving credit where it is due, and the belief of making changes; in handling grievances, let the employee tell his full story without interruption, remembering, a kind word will help; and listen to listen.
• From superintendent Don Tolson of Fox Hollow at Lakewood in Lakewood, Colo.: Encourage the use of soft spikes, and test irrigation water to determine if it could be helpful.
• Joel Jackson, editor of Western Sales:

Letters

ROOT ZONE ADDENDUM: COST AND 'PERFECTION'

To the editor:

Thanks for the opportunity to express some of my thoughts. In your November issue, regarding the industry's problems, I'm concerned root-zone mixes [see related letter on opposite page]. Because of the important issue of cost, I would like to clarify our company's testing of root-zone mixes. It involves testing fees. The blending companies I work with charge for the mechanical portion of the work. Our company contracts for the production of the mix and assumes the liability of producing mixes designed. Together, our pricing is competitive with others in the blending business.

It should be pointed out that all mixes are perfect until they are confirmed as meeting the original design specifications by a competent soil laboratory. If a mix is not checked by someone who knows what they're doing, it's a perfect mix.

GIVING CREDIT WHERE DUE

To the editor:

I recently read a letter clarifying several inaccuracies in your October 1994 article relative to the Atlantic Country Club opening in Plymouth, Mass. ("Massachusetts course opens first nine," page 4). The present owners purchased at auction a nearly complete golf course designed by Richard and Associates that was named Head of the Bay Club. Construction of the golf course began in May of 1991. I find it preposterous that full design credit is being assigned to Mark Mungeam (of Uxbridge, Mass.-based Cornish and Silva, Inc.) after some minor tee and green enhancements to this golf course. Richards and Associates spent two years laying out and supervising construction on this exciting golf course during some difficult times.

To deny us credit where due is inaccurate reporting.

Ray Richard
Richard and Associates
Sagamore Beach, Mass.

Continued on page 62

Continued on page 52

Only after it's checked will you know whether the mix is subpar.

Glen Watkins
Root Zone Mix
Mule Shoe, Texas

PLAYER CLARIFIES DESIGN

To the editor:

I read the November issue of Golf Course News. In this issue, GCN has an article concerning the acquisition of Cutter Sound Golf & Yacht Club in Martin County, Fla. ("Golf Communities add Fla. track," page 43). The article incorrectly states that this is a "Gary Player-designed championship course." We terminated our agreement with the developer of this course course opens first nine," page 4). The present owners purchased at auction a nearly complete golf course designed by Richard and Associates that was named Head of the Bay Club. Construction of the golf course began in May of 1991. I find it preposterous that full design credit is being assigned to Mark Mungeam (of Uxbridge, Mass.-based Cornish and Silva, Inc.) after some minor tee and green enhancements to this golf course. Richards and Associates spent two years laying out and supervising construction on this exciting golf course during some difficult times.

To deny us credit where due is inaccurate reporting.

Ray Richard
Richard and Associates
Sagamore Beach, Mass.

Ed. While it was never our intention to "deny" Mr. Richard credit, Golf Course News apologizes for the error. A great deal of detail in the design and construction work was performed by Richard and Associates before sale of the course. Mr. Mungeam indicated his firm considers Atlantic (the former Head of the Bay) a "remodel," not a Cornish and Silva design. Hence, according to Mr. Mungeam, "We did do a major amount of work out there: All the tees, six of 18 greens and significant grading."
For turf's sake, don't take peat for granted

Tom Lever

The constructed soil in sports turf root zones is the foundation of your golf course. It is easily and often taken for granted because it is placed and covered with turf. Yet your continued success is largely linked to root-zone management, including construction. When roots are healthy, more water and other nutrients are taken up and sustained, you are also able to establish and maintain healthy, playable turf. This goal is best achieved through the proper use of peat in the root zone and the bonus is water and nutrient conservation.

No other organic material is as effective as peat in constructed soils for maintaining healthy turf. Our organic options are ever increasing, but peat is the proven standard in turf. Our organic options are ever increasing, but peat is the proven standard in turf. Organic acids stimulate microbial activity and promote more efficient nutrient conversion and uptake by the plants. This effect on the beneficial micro-organisms gives them a competitive advantage over pathogens in the root zone. Healthy turf relies on a balanced diet of water, air and nutrients. A properly constructed root zone using peat will provide this balance and function as a reservoir of available moisture. Furthermore, peat is a source of nutrients that can suffocate the roots and give rise to diseases and stress. Only not is total water use made more efficient with peat, but water quality is also improved. Peat provides a physical barrier to root-zone water which may be laden with nutrients and agrochemicals. Micro-organisms reside in the organic and biologically degrade agrochemical residues and can convert and biodecompose by microorganisms. By using peat, you are reducing the risk of disease and promoting healthier turf.

Healthy turf must breathe and be permeable to gases and water, and at the same time function as a water storage reservoir. Peat provides both pore space for pathways and cellular fibers for sorption sites. The water held by peat is readily available to the roots of the turf. No other organic can provide both storage and availability so well. The fibrous nature and structure of peat enables the controlled metering of water and gases in the constructed root zone.

The greatest benefit of sphagnum moss peat in sports turf management is water conservation. The water in the root zone is the "chicken soup" to the turf—a broth carrying nutrients, water and other natural substances to and from the turf roots. If stagnant, this water can suffocate the roots and give rise to diseases and turf failure. The proper use of peat will improve your efficient water use and storage, with optimum gas exchange which promotes an aerobic environment. This means moisture storage without stagnant, anoxic conditions. The balance of water movement and storage is very critical, since all root-zone functions are related to these processes.

The Kirby Marker System gives golfers a reason to select yours. Golfers are universally delighted with the immediate and long-term benefits of the Kirby Marker System. If you're still using stakes, spiker heads or fairway disks to mark a yardage, you're missing a big opportunity. The Kirby Marker System gives golfers a reason to select yours. The Kirby Marker System gives golfers a reason to select yours. The Kirby Marker System gives golfers a reason to select yours. The Kirby Marker System gives golfers a reason to select yours.

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Letters

DETAILING A RECIPE FOR ROOT ZONES

Tom Lever

The principal scientist of North Woods Organics in Duluth, Minn. His 21-year career has included university research, private consulting, resource management, product development and technical assistance to private industry.

To the editor:

I admire Mark Leslie's editorial in the November issue, "We mustn't forget: Greens, root zone are living organisms." The "recipe" you describe is widely accepted, specified and used by the Deans of American Golf Conservation. You identify several of these Deans in your editorial and the accompanying article ("Experts decay inconsistent root-zone mixes"), none of whom address your question: "Does anyone know what this recipe evolves into?"

The solution to your "recipe" is not found in the school of agronomy but is discovered in the school of medicine; pre-med to be exact, in the microbiology section. See "Facts on File, Biology," edited by Elizabeth Tostill; library of Congress catalog 88-045476; published in New York-Oxford-Sydney. This particular volume describes Part A of your "recipe" for peat. What follows is a partial description of "peat" from the above text:

1. Partially decomposed plant material that accumulates in waterlogged anaerobic conditions; varies from light spongy material to a dense, brown, humified material in the lower layers.

A. If mineral salts are present, neutral or alkaline peat (pen peat) is formed. If there are no mineral salts present, neutral or acid peat (or bog peat) is formed.

What follows next is a description of the spongy and humified material:

1. Mull: humus from deciduous and hardwood forests; few micro-organisms exist; decay is rapid.

2. Mor: humus; usually acidic characteristic of coniferous forests; few micro-organisms exist; decay is rapid.

3. Mid-Mor to today: Change to neutral organic on 95 percent of Colorado projects with 100 percent success to date. The five percent using an acid peat suffer from fungus problems as those seen in the early '80s.

If the Deans of American Golf were to follow the recipe described by Mr. Coggins, they would turn green.

Continued on page 21

OBITUARIES

Frank Duane, 73

Francis J. (Frank) Duane, a golf course architect who overcame paralysis, died Nov. 16, 1994. He was 73. Duane, who was confined to a wheelchair after suffering from a rare paralysis in 1965 and lost the use of his right arm, designed more than 60 golf courses as an associate of Robert Trent Jones Sr., Frank H. Palmer, and in his own practice. Duane also remodeled or expanded more than 45 facilities. His projects are found throughout the U.S., Canada, South America, Puerto Rico and Jamaica. Some of his courses include Bel-i-rive CC in Creve Couer, Mo., Big Sky GC in Big Sky, Mont., Hall Moon Bay (Calif.), K. H. Ammer GC in Farmingdale, N.J., and Tamarisk CC in Alpine, N.J. Duane served as president of the ASGCA in 1972 and was a fellow.

A native of Queens, Duane lived in Fort Washington, Long Island, since 1967. He is survived by his wife of 39 years, Mary; sons Andrew and Joseph; daughters Mary, Patricia and Olivia; brothers James, Thomas and Robert; sisters Grace and Alice; and one grand-daughter.

Milton Coggins, 92

Milton D. Coggins Sr., an active golf course architect in the Southwest for 25 years and a fellow of the American Society of Golf Course Architects, died on Nov. 4, 1994. He was 92. Mr. Coggins was one of the greatest figures in the history of Arizona golf. In 1922, while attending Phoenix Union High School, he and his teammates won the state basketball title. He later started for the baseball team of the University of the Redlands, where he graduated with a degree in economics. He won five Arizona state tennis titles during the 1920s, was an avid hunter and fisherman. One of Mr. Coggins' friends was Clark Gable, who once said: "Coggins goes with the Arizona outdoors like its sunshine and pine trees."

As his life progressed, however, golf became Mr. Coggins' true love. Taking up the game in 1955 at the age of 26, he won the state amateur in 1933 & 1934. In 1940, he became PGA professional at Encanto Muni in Phoenix, a position he held for 25 years. After leaving Encanto, Coggins took up architecture full time. In total, he laid out 29 courses, including those carrying the Sun City name in Arizona (North, South and West), California, Texas and Florida. He was inducted into the ASGCA in 1972 and elected fellow in 1973. Mr. Coggins is survived by his wife, Tate D.; sons Milt Jr. and Lewis; three grandchil-
dren; and one greatgrandchild.
**Golf Summit ’94**

Continued from page 1

must embark on a public relations offensive detailing why the game is good for the environment and accessible to everyone. Indeed, the NGF is already soliciting campaign proposals from several high-profile public relations firms.

"The image campaign that’s being contemplated is meant to support the other two critical issues to golf right now: the environment and player development," said Joe Beditz, president and CEO of the NGF. "We expect to hear back from agencies at the end of January and assess their proposals and review options for funding. If we have an exciting plan laid out by the end of January, we’ll be rolling this out in the spring. I don’t think we can wait until the next Summit."

The NGF has formally solicited proposals from the four advertising/promotion agencies that attended Summit ’94: Burson-Marsteller of New York; DMB&B of Bloomfield Hills, Mich.; Chiat Day of Venice, Calif.; and Pinnacle Worldwide of Chicago.

Most believe this past Summit was admirably focused — concentrated, as it was, on addressing three overarching problems: the environment, poor player development practices and the game’s less-than-positive image with the non-golf-playing public. The latter must be addressed first. Because golf is perceived as elitist (despite the fact that two-thirds of the nation’s courses are open to anyone), course development and expansion are seen as frivolous acts when weighed against potential environmental impact.

For example, middle-income housing development is very difficult to oppose. Affordable housing is an “apple pie” issue — so wholesomely American, like baseball and farming, no one dares play the environmental card to thwart it.

Golf sits at the other end of the “apple pie” spectrum.

Player development is also affected by image. One study released at the Summit showed 75 percent of non-golfers don’t even consider picking up the sport because golfers “aren’t like me.” Is it any wonder that women, minorities and folks of modest means — i.e., those who don’t see themselves as fitting in with rich, white males — never consider participating in the game?

Clearly, the industry needs an organized, image-enhancing public relations campaign showing that golf is accessible, affordable, environmentally friendly and fun.

"The notion of an industrywide PR initiative was presented by McKinsey at the 1988 summit, and discussed in 1990 and ‘92,” Beditz explained. "Primarily, when discussed back then, the effort was focused on advertising to help promote the game to those who don’t play. Six years later, while that’s still an important part to any image campaign, we see the need to also answer the negative publicity golf has been receiving. The latter point — that there is a negative component that has to be answered — makes now the correct time to implement a campaign."

Historically, acting upon Summit initiatives has been nearly impossible. Agendas are rarely in sync, and even if there is a consensus on implementation, much of the responsibility falls to the NGF which, in truth, is ill-suited to this task.

The NGF is a research organization that, under the leadership of Beditz, has gone above and beyond the call of duty to organize strategy sessions like the Summit. Nevertheless, there is only the golf organization broad enough to handle things like an industrywide public relations campaign. Besides, as Beditz himself noted: "While we are known for our research activities, our mission is simply to foster the growth and vitality of golf. And this vision goes well beyond our research duties, well beyond just keeping score."

The larger issue is money. The NGF has already solicited proposals from several savvy PR firms, but how does a non-profit organization raise enough cash, say $2 million, in the first year?

Here are some ideas that merit attention:

- All 2,500 NGF business members (like Golf Course News) would be required to kick in $1 per member,
- Every allied golf association — all the acronyms: PGA, GC-SAA, NGCOA, USGA, etc. — would levy a member-based fund-raising tax of $10 per head.
- Owners of all 4,000 NGF member facilities would implement a green fee surcharge of $1 and turn the proceeds over to the NGF.

Then there are those who stand to suffer most if golf’s expansion is hog-tied by environmental regulations; the folks who believe the game can’t attract new players or keep the players it has.

The manufacturers.

Growth, growth, growth. The industry wants it, but manufacturers need it. It’s only right and proper that the bulk of this PR money come from the makers of balls, mowers, shafts, fertilizers, etc. They stand to gain the most if the campaign hits the mark; and lose the most if feet are continually dragged.

Donating 5 percent of each manufacturer’s annual advertising and PR budget would do the trick.

"All of those things have been noted and should be considered," said Beditz. "We believe that all of those stakeholders should be interested in supporting a cooperative effort. If, indeed, we can get to the grass roots level on this, meaning the facilities, there are 500 million rounds being played.

"We don’t need $1 a round. A penny a round would do it."

Summit attendees agreed the industry is at a crossroads. Growth (there’s that word again) is tapering off and image problems threaten to erode the status quo.

Continued on page 20

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**GOLF COURSE NEWS**

January 1995
USGA pushes for soil lab certification

By Mark Leslie

Far Hills, N.J. — Striving to assure that golf courses are served by "competent laboratories that are putting their full effort into it," the U.S. Golf Association (USGA) is proceeding full-steam ahead toward instituting an accreditation program.

The USGA is working with the American Association for Laboratory Accreditation (AALA), a Washington, D.C.-based organization which has accredited more than 800 labs of various kinds. The 15 or so soil labs which test root-zone mixes for golf course construction, have never had an accreditation program to pass, and reaction among them is mixed.

"I've gotten good feedback from [lab representatives] happy to see it," said Jim Snow, national director of the USGA Green Section. "I just want the people who are serious about doing good work to get accredited. It has a lot of good purposes."

"I've gotten good feedback from lab representatives happy to see it," said Jim Snow, national director of the USGA Green Section. "I just want the people who are serious about doing good work to get accredited. It has a lot of good purposes." Dr. Norm Hummell of Cornell University, who studied the lab situation for the USGA two years ago and who himself runs a lab, said the requirements of accreditation "will immediately shake out some of the labs."

Saying he was intimidated at first and that one lab is "suspicious that anybody can be bought," Hummell added: "There will be some resistance because it will force everybody to do things according to protocol, to have an internal quality control program."

Indeed, one of the leaders in the industry, Turf Diagnostics & Design (TDD) in Olathe, Kan., takes exception to the accreditation, though for other reasons.

"Who's got the level of expertise to tell us we're accredited or not?" asked Vice President Steve McWilliams. "We can document what we do but, frankly, we don't see anyone qualified out there to tell us we're doing it right or wrong."

Saying his lab follows protocol and more, and adding that several changes in the USGA specifications were derived directly from TDD's procedures, McWilliams said: "I'm not sure it [accreditation] is going to fly. This is not an easy issue.

Continued on page 23

Regions are reorganized to better serve course clients

By Jim Snow

Far Hills, N.J. — The United States Golf Association's (USGA) Green Section has reorganized several of its regions in an effort to provide better service to clubs and courses in its Turf Advisory Service. Starting in the East, Ohio and Kentucky will become part of the new North-Central Region. The North-Central Region will include Kentucky, Ohio, Michigan, Indiana, Wisconsin, Minnesota, North and South Dakota, and Montana. These states will be serviced by newly-appointed regional director Bob Bramme, in Kentucky, and Bob Vavrek, near Milwaukee.

The Mid-Continent Region will gain Illinois and Iowa in the reorganization. Colorado and Wyoming will move to the Western Region. Jim Moore will remain regional director from his office in Waco, Tex., and Paul Veumelaar will be moving from the Western Region office to establish a new office in central Illinois. The Western Region will pick up Colorado and Wyoming. Larry Gilhuly will remain as regional director from his office near Seattle.

Pat Gross and a new agronomist yet to be named will serve the southern part of the region from their office in southern California. The USGA Green Section is hoping that by establishing more than one office in a region — as was done in the Northeastern Region 10 years and in the Western Region in 1993 — it can provide better service.

ESPN to broadcast Par for the Course

Stossel joins Dodson, Erusha, Pyle in environmental general session

Lawrence, Kan. — ESPN will launch a golf "block" of programming that will air on Sunday mornings, and will broadcast Par for the Course as part of its package. Produced by the Golf Course Superintendents Association of America (GCSAA), Par for the Course takes an innovative look at the world of golf from the view of what goes into making the game enjoyable. The segments will air on 19 Sunday dates and 11 Thursday/Friday dates throughout the year.

GCSAA will also be producing a series of feature segments for ESPN that will air during the network's coverage of PGA Tour and Senior PGA Tour tournaments. These short segments will highlight issues and trends in golf course management.

ABC-World Newsman John Stossel will make an encore appearance at the association's International Golf Course Conference and Show in San Francisco on Saturday, Feb. 25.

Stossel, who appeared at GCSAA's 1991 conference, will be a panelist in an Environmental General Session, "Changing Perspectives," focusing on the public image of golf courses and how they are maintained.

Other panels will be Dr. Kimberly Erusha, director of education for the U.S. Golf Association Green Section; Ron Dodson, president and chief executive officer of the Audubon Society
Back to nature: Wade leads return to organics

By HAL PHILLIPS

G ARDEN CITY, N.Y. — Skip Wade, head superintendent at Cherry Valley Golf Club, has taken the organic lead here on Long Island, where colleagues aren’t necessarily thrilled with his outspoken views on curbing chemical use.

“They thought I was crazy; they still do,” said Wade. “That’s why this is a positive thing. It’s hard for a superintendent to change his spots. But working with organics is the way to go.”

It’s hard for a superintendent to change his spots. But working with organics is the way to go.

— Skip Wade

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CONTINUED ON NEXT PAGE
Scotts seeks nominees for excellence award

MARYSVILLE, Ohio — The Scotts Company, sponsor of The Tradition of Excellence Award, has named the selection committee for the 1995 Scotts Tradition of Excellence Award, recognizing the outstanding achievements among golf course superintendents in advancing the science of course maintenance.

The Tradition of Excellence Award, sponsored by Scotts at The Tradition tourney, one of the four major tournaments on the PGA Senior Tour, scheduled for March 27-31, 1995. This year, the Golf Course Superintendents Association of America was so honored.

The selection committee, composed of former GCSAA presidents, includes:
• John Spodnik of Westfield, Ohio, served as president in 1969. Recently retired from Westfield Country Club after 35 years, he now consults for Westfield Co.
• Cliff Wagoo, CGCS, of Modesto, Calif., served as president in 1973. Retired after 35 years with Del Rio Country Club in Modesto, he currently consults on agronomic matters, most recently in Morocco and Tunisia.
• Michael Bavier, CGCS, of Barrington, Ill., served as president in 1981. He has spent the last 25 years with Inverness Golf Course of Palatine, Ill.
• Gene Baston of Augusta, Ga., served as president in 1985.

He has spent the last seven years with West Lake Country Club.
• Donald Hearn, CGCS, of Chelmsford, Mass., served as president in 1987. He’s spent the last 22 years at Weston Golf Club.
• Dennis Lyon, CGCS, of Aurora, Colo., served as president in 1989. He has served 21 years with the City of Aurora as manager of golf.

“Too long, the golf course superintendent has worked behind the scenes,” said Dave Heegard, Scotts vice president of ProTurf, who also serves on the selection committee. “This award raises the visibility of the superintendent significantly, and The Tradition gives us a forum to tell the public how important the superintendent’s work is.”

Heegard said nominations for the award may come from anyone. Forms are available by calling Deb Strohmaier at Lord, Sullivan & Yoder, Inc. at 614-846-7777; or by calling the GCSAA’s Burr Beaver at 913-841-2240.

The nominating criteria are:
1. The nominee must be employed as a superintendent.
2. Their course must be well maintained.
3. They will have shown good teaching and mentoring qualities throughout his or her career.
4. They must be a leader, helping to further understanding of and within the profession through communication, such as speeches to organizations or writing for publications.
5. They will demonstrate environmental responsibility.
6. They will have been involved with research and innovation in cultural or management practices.
7. They will be involved professionally at the local level.

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Composting: Heating up maintenance operations

By ROBERT STEUTEVILLE

Composting operations and/or use of recycled organic materials on the links is becoming par for the course nationwide. Composting offers the potential to save on disposal and purchasing of soil conditioners. One example is the Pebble Beach Co. The major landowner on California's Monterey Peninsula manages hotels, wildlife areas, resort and residential property in addition to four golf courses. Until about a year ago, 2,500 tons/year of green waste from these facilities were going to a landfill. "Now, "almost everything that you can think of that is green is going to the compost operation," said Eric Love, director of forestry and ecology for the Pebble Beach Co.

Equipment and operational space are the primary challenges to getting a composting program started. At Pebble Beach, composting takes place in a section of a company-owned quarry. The land was already disturbed, so minimal site preparation was necessary, Love said. The company purchased a new tractor with a grapple bucket and preshredder, a windrow turner and shredder/processor. The total cost was under $200,000.

"We know we are saving thousands of dollars a month in disposal fees and labor to get the material to the dump," said Love. "The equipment will pay for itself, but we don't know how long it will take."

Organic material savings is another selling point. "We figure it's costing us $7 a yard for the compost. Before we were purchasing material for $30 a yard," Love said. The compost is fairly similar in texture and pH to the formerly purchased material and is "just as good" for his purposes, he added.

The process starts with shredded brush placed in six-foot-wide windrows. Grass is incorporated into the piles with the turner to achieve better moisture and nitrogen levels. On a few occasions, during rainy periods, an inoculant was added to activate the piles. The first windrows took about six months to produce finished product, but the company since has refined its composting process. "If we keep the temperatures high for six to eight weeks, we think we will be able to move the material and use if after three months," Love said.

Most of the material is used for environmental restoration, particularly in new plantings of native plants. Although Pebble Beach has yet to utilize its compost in day-to-day golf course landscaping operations, some courses are starting to do just that, according to Eric Nelson, an associate professor of plant pathology at Cornell University in Ithaca, N.Y. At nearby County Club of Rochester, compost has been successful in controlling fungal disease. In three years of applications, fungicide use was reduced 97 percent, Nelson said.

Some composts have disease-suppressive qualities as a result of the microbial activity in the compost itself. Other composts appear to stimulate microbial activity in soil, and thus suppress fungal growth. The only exception is pure yard trimmings compost, which has no suppressive effect at all. However, yard trimmings composts can become suppressive with the help of inoculant, Nelson said.

There are an estimated 14,000 golf courses in the United States. Many may be composting, but it is still a small percentage of the total, according to Roch Gaussoin, turfgrass extension specialist with the University of Nebraska.

Golf courses theoretically can utilize much more organic matter than they can produce in a compost operation, according to Rod Tyler, director of product and market development with Kurtz Bros. in Independence, Ohio. The average course includes 25 acres of fairway. A half-inch application of compost topdressing would use 1,685 cubic yards of material. That calculation does not include greens or roughs. Tyler estimates that most golf courses could only produce several...
Blackburg, Va. — Virginia Tech is offering a five-day program in turfgrass ecology and management starting Jan. 30, designed to provide an overview of the fundamentals of turfgrass management. The Turfgrass Ecology and Management Short Course is designed for both new professional turfgrass managers as well as experienced managers. Thirteen faculty from different disciplines will offer 36 hours of lectures and lab instruction. The fee for the course is $365, which includes the book "Turfgrass Management" by A.J. Turgeon, a notebook, a certificate, group photographs, banquet, reception and refreshments. The registration deadline is Jan. 16.

For more information about registration contact the Conference Registrar's office at 703-231-5183. For course information, contact Dr. Dave Chalmers at 703-231-5797.

The second, Jan. 31 and Feb. 1, is "Stabilization and Restoration of Disturbed Sites" and will explore ways to control erosion by establishing vegetative cover. The fee is $195 and includes two meals and course materials.

For more information or to register contact Cook College of Continuing Professional Education at 908-932-9271, or write to P.O. Box 231, New Brunswick, N.J. 08903-0231.

Oakland Park, Fla. — A new book to help superintendents determine how healthy their greens are and how much they're worth is now available from Turfgrass Products Publica-tions (TPP), "Diagnostic Turfgrass Management for Golf Greens," by Tom Masacaro, explains how to evaluate the health and value of the greens through soil sampling, analysis and data records. It also outlines a management program built around daily, weekly, monthly and annual monitoring tasks. The book has 100 color photographs and a 500-page workbook with charts and instructions.

The book is available from TPP, 4740 NE 12th Avenue, Oakland Park, Fla. 33334 or by calling 1-800-258-7477.

Composting
Continued from previous page

The 1800 Utility Vehicle truly lives up to its name — offering you tremendous work potential from one basic machine. Foot-controlled hydrostatic drive gives you an immediate advantage. Teamed with a gutsy liquid-cooled engine, this drive system delivers infinite speed control for more precise operation — up to 6 mph while working, 11 mph between jobs. Jobs that can range from spreading to spraying to hauling thanks to the 1800's full host of compatible attachments.

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CIRCLE #113
Golflink adds lightning data to new network

NASHVILLE, Tenn. — Golflink, a computer network that links golf courses nationwide with weather data and research and other industry information, has added lightning detection to its services. Golflink has connected to the government's National Lightning Detection Network, operated by Geomet Data Service of Tucson, Ariz., according to Jerry Lemons, president of Golflink Inc. here. "When lightning strikes 15 minutes away, you get the information in five minutes," he said, explaining there is a five-minute data-processing time. He said the computer tracks storms far in the distance. More information is available from Golflink at 4811 Lebanon Road, Suite 107, Hermitage, Tenn. 37076.

Carolina GCSA elects Farren


John K. Williams of Keith Hills Country Club in Buxes Creek, N.C., was elected treasurer and Donald C. Garrett, Jr. of the Dataspark Island Club, Dataspark Island, S.C., was elected secretary.


Also elected to serve were: Paul Powondra, Carolina Trace Golf and C.C., Hampstead, N.C.; Mickey McCord, Carolina Trace C.C., Sanford, N.C.; Joel A. Ratcliff, Sedgefield C.C., Greensboro, N.C.; Michael F. Fabritzo, Sapphire Lakes C.C., remains on the board as past president; and John Davis, Secession Golf Club, Beaufort, S.C. Farren, Green, Williams and Davis are also members of the board.

MASS TURFGRASS SET FOR MARCH 6-8

SPRINGFIELD, Mass. — The 4th Massachusetts Turfgrass Conference and 19th Industrial Show are scheduled for March 6, 7 and 8, here at the Springfield Civic Center. For more information, contact Dr. Joseph Trull of the Massachusetts Turf and Lawngrass Association, at P.O. Box 480, Hadley, MA 01035, or by calling 413-549-5295.

Environmental alliance elects super as president

WAYNE, N.J. — The Alliance for Environmental Concerns recently elected a new board of officers at its annual meeting. These included, Arnaud LeSage, golf course superintendent at White Beeches Golf and Country Club, president; and John Buechner of Lawn Doctor, vice president. Other officers include Thomas Little, treasurer; and S. Howard Davis, executive director of the N.J. Nursery and Landscape Association, as recording secretary.

The following directors were also elected: Steven Chip (United Horticultural Supply), Wayne Dubin (Bartlett Tree), Michael Oleykowski (Ciba Turf), Kenneth Kubik (Grass Roots), Richard Sameth (Western Industries).

Also elected to serve were: Paul Powondra (Princeton Meadows Country Club), Robert J. Scott (DowElanco), Joseph Bianco (Green Thumb Services), and Lee Schaber (TrueGreen/Chamlawn).

The alliance is a broad-based coalition of turf professionals, arborists, structural pest control experts, Christmas Tree growers and farmers and represents a majority of pesticide applicators and pesticide applicator businesses in New Jersey.
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For more information about the complete line of Triaform fertilizers, contact your Scott Tech Rep. Or call 1-800-543-0006.

The USGA, by Snow, Dr. Mike Kenna and Dr. Kimberly Erusha, and Research Committee member Dr. Charles Pasquale of the University of California-Riverside and Dr. Charles Peacock of North Carolina State have participated with the superintendent Charles Passion of Hyannis, Mass.; ClubCorp's Michael Quimby; and Jeff Froke, the land resource manager with Rancho San Carlos in California.

"It shows good cooperation between the environmental associations and the golf course industry," said Erusha, the USGA's director of technical communications. "And it shows a lot of potential for the future — for not only cooperating on the projects but also working toward getting additional information."

"We worked up eco-regions, and then took collective information on the habitat and the important ecosystem relationships between, for example, a managed wetland area and a wetlands area," Dodson said.

"We collectively agreed the area between a functioning wetland and a turfgrass area is an important component of a golf course to study, and we should be looking at the cause-and-effect relationships between managing a golf course and the functioning of a wetland from a biological point of view."

"It is partly to show the whole industry supports wildlife research — not just the USGA," Snow said. "I think that's important. If others do join, we will call it an allied golf wildlife program."

Snow said he will be negotiating with another organization to coordinate the program. Requests for Proposals most likely will be publicized sometime this spring, he said.
Duich’s contributions to turf world earn Rossi Award

By MARK LESLIE

CHAPEL HILL, N.C. — Forty years of teaching students, breeding turfgrasses that in some cases have dominated their uses, helping to initiate national turfgrass trials, and elevating the Pennsylvania State University turfgrass program to among the nation’s elite have earned Dr. Joseph M. Duich selection as the Don A. Rossi Humanitarian Award for 1995.

“We are honored to present this award to a man who has meant so much, and done so much, for the golf industry,” said Philip Arnold, executive director of the Golf Course Builders Association of America (GCBAA) which presents the award. “I can’t think of a more ‘humanitarian’ profession than teaching, and Dr. Duich has the respect and admiration of golf course superintendents — as well as builders — all over the country.

“Dr. Duich is one of the unsung heroes in our industry, who has also helped builders with technological advances,” said GCBAA Vice President Paul Eldredge of Wadsworth Golf Construction Co.

The Rossi Award is given in memory of the man who created GCBAA and once piloted the National Golf Foundation.

“Dr. Duich was beyond getting awards,” mused Duich, who retired in 1991 as professor Emeritus of Turfgrass Science after 36 years at Penn State. Although officially retired, he travels the globe as a turfgrass consultant, and is introducing a new generation of bentgrasses this year.

Duich has been instrumental in introducing new turfgrasses to the golf industry, notably Pennfine ryegrass and Penncross, Pennaggle and Pennlinks bentgrasses, which have been dominant on the world market for decades. More than $16 million in royalties from these turfgrasses has been returned to the Penn State Agronomy Department to support its programs and perpetuate turf research.

Duich received the Distinguished Service Award from the Golf Course Superintendents Association of America in 1987, the Distinguished Service Award of Excellence in Agricultural Technology — the only turf and less-than-baccalaureate level program to be so honored.

He also helped initiate the first regional turfgrass evaluation trials, which were the forerunner of today’s National Turfgrass Evaluation Program administered by the U.S. Department of Agriculture.

Golf Summit ‘94

Continued from page 12

National, fully coordinated, professional public relations campaigns have the ability to change image and perception. A Summit speaker used the fur industry as an example of how image can stymie a market. After five years of taking hits from rabid anti-fur activists and watching profits go down the drain, the fur industry finally embarked on a very successful PR offensive. In terms of public perception (and sales), the fur industry has regained its viability.

But those five years can never be recovered. Let the mink coat — covered with rotten tomatoes heaved by angry protesters — be a lesson and a warning. The fur industry can’t afford to wait five years.

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Golf Summit '94

Continued from page 12

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— GCBAA Vice President
Paul Eldredge

CIRCLE #119 CIRCLE #120
In search of the better idea

By TERRY BUCHEN

BELTON, Mo. — Nels A. Lindgren, CGCS, golf course superintendent here at the Loch Lloyd Country Club, grew in this tournament-caliber golf course in 1989 and hosted a Senior PGA Tour event just 13 months after it opened for initial play. Quite a feat, to say the least.

The course, just south of Kansas City, was designed by Don Sechrest and built by Wadsworth Golf Construction Co. I like to tour other superintendents' maintenance facilities as I always learn at least 10 new ideas on how to operate a modern, functional, efficient maintenance building operation. I was at the Loch Lloyd with Don Tolson, CGCS, and Mark Esoda, CGCS, for a "Cook's Tour" and came away with the following neat ideas:

GRANULAR FERTILIZER/PESTICIDE STORAGE
Making the best use of available space in a maintenance building is always a superintendent's goal. Lindgren found some used warehouse racks for his 30-by-60-foot cold storage building. This building has 12-foot-high garage doors with 15-foot ceilings. The racks were cut with a torch to fit on all three sides of a building that did not have garage doors. The club mechanic rebuilt an old forklift by putting in a new short block and they started putting in pallets of fertilizer that weighed about one ton each. Where the pallets were three across, the metal sagged slightly but remains structurally strong on the free-standing racks. Lindgren and his crew use spares beneath the lower racks for additional equipment storage, which works quite effectively.

Lindgren has one additional used warehouse rack outside one of his other maintenance buildings that was not cut off with a torch. The rack is 16 feet high. It is used for palleted storage for tournament supplies, irrigation pipe, irrigation spools of wire, etc. The racks had brackets welded to them and bolted to the outside of the building. Because of their additional height, they needed this extra strength.

FOAM MARKERS
Foam markers are common on boom-type golf course sprayers to show the operator where he/she has sprayed and where he/she hasn't. The markers are becoming more common for use with tractor-truckster-mounted rotary and oscillating fertilizer spreaders.

Lindgren has mounted a Richway Foam Marker on the front of a turf tractor and has two hoses out in front (in-between the front wheels). He uses a red piece of rebar steel for weight.

When his personnel fertilize wheel track to wheel track, a foam spot is left in between each wheel mark. For added insurance, a green dye could be added just in case the foam disappears during a hot, sunny day while the spreader is being filled up with material.

Electric switches, which operate the marker, are located on the dash board and the 12-volt electrical is hooked up to a spare fuse.

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Public chemical concern
Continued from page 3
Indicate they currently use a lawn care company:
* People strongly believe pesticides are safe when used as directed, but are less certain if their neighbors are using pesticides properly.
* Approximately half of those surveyed believe pesticides made available to the public are thoroughly tested, with the remaining respondents indicating they are unsure if pesticides are thoroughly tested.
* "Maintaining public health" was the reason given by almost 8 in 10 respondents for applying pesticides to control pests and weeds in public areas.

For more information on this study and its findings, contact RISE at 202-463-0474.

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REINDERS HOSTS TURF SHOW AND CLINIC
ELM GROVE, Wisc. — Reinders, Inc. will host its 12th Turf Conference, Equipment Show and Service Clinic on March 15 and 16, here at the Waukesha Expo Center. The clinic is the largest show of its kind in Wisconsin and has been held every year since 1973. More than 1,400 people are expected to attend. For more information contact Ed Devinger at Reinders, Inc., 13400 Watertown Plank Road, Elm Grove, Wisc., 53122 or by calling 414-786-3301.

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MAINTENANCE
WHERE THEY'RE GOING

Davies joins Merced G&CC

MERCED, Calif. — Ray Davies, a member of the Golf Course News Editorial Advisory Board, has accepted the head superintendent position at Merced Golf and Country Club here. Davies had been the superintendent at Virginia Country Club in Huntington Beach.

CHARLESTON, S.C. — Tony Brown, superintendent at the Country Club of Charleston for the past seven years, has been named to the same position at Wild Dunes Resort. Brown replaces Mike Fabrizio, who recently accepted the job as superintendent at Sapphire Lakes Country Club in Sapphire, N.C., after more than six years at Wild Dunes. A 1982 Clemson graduate, Brown logged time as superintendent at Kiawah’s Turtle Point and Marsh Point before moving to the Charleston area.

HILTON HEAD, S.C. — Steve Wright is the new superintendent at the Long Cove Club here. Formerly head superintendent at Alacqua Country Club in Longwood, Fla., Wright is former chapter president of the Central Florida Golf Course Superintendents Association.

FLAGSTAFF, Ariz. — Dan Devere has accepted the head superintendent’s position at Aspen Valley and Elden Hills here, formerly known as Fairfield and Continental Country Club. Devere had been superintendent at Silver Creek Golf Club in White Mountain. Joe Traficano, late of TPC Starpass, takes Devere’s place at Silver Creek.

CORPUS CHRISTIE, Texas — Sam Orozco, formerly an assistant at Tucson (Ariz.) National Golf Club, has accepted the head golf course superintendent’s position at King’s Crossing here.

SUWANNE, Ga. — Mike Martin is the new head superintendent here at St. Marlo Golf Club.

OVERLAND PARK, Kan. — August Lietzen, formerly the head golf course superintendent at Overland Park Golf Club here, has accepted a position with Modern Distributing. He now heads up the Toro Fertilizer and Nutrition programs.

STOCKBRIDGE, Ga. — Randy Ashton has accepted the head golf course superintendent’s position here at Southern Golf Club.

Southerness Golf Club. Doug Cook, formerly an assistant at Highland Country Club, joins Ashton at Southerness.

CONWAY, S.C. — Wally Dowe has been promoted from assistant to head superintendent at Wild Wing Plantation’s Avocet Course here. A 1990 graduate of Michigan State’s Turfgrass Management Program, Dowe joined Wild Wing in 1992 as an irrigation technician.

YOUNG HARRIS, Ga. — Steve Gonyea is on board as golf course superintendent of the Brasstown Valley facility, now under construction. The course is scheduled to open in June.

WILLIAMSBURG, Va. — Scott Hoptry is the new head superintendent at Williamsburg National Golf Club here.

JACKSON, Tenn. — Everett Holzapfel has been named the head golf course superintendent here at Jackson Country Club.

JONESBORO, Ga. — Kevin Keppy has been promoted to the position of head golf course superintendent at Pebble Creek Country Club.

WASHOE VALLEY, Nev. — Tom Unruh has been named head superintendent here at the Gold Club at Lightning W Ranch, a new Robert Muir Graves design. Unruh comes to Lightning W Ranch from Del Paso Country Club in Sacramento, where he served as superintendent for 18 years.

SUN CITY WEST, Ariz. — Joe Bornkessel has been named head superintendent at Hillcrest Golf Course here. Bornkessel comes to Hillcrest from The Golf Club at Stone Creek in Paradise Valley.

TURNER, Ga. — Richard Larimore has accepted the head superintendent’s position here at Turner Golf Club. Larimore is the former head superintendent at Stouffer’s PineIsle Resort.

WHERE THEY'RE GOING

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The secret to ESN’s innovative technology is the polymer membrane surrounding a high quality urea granule. Once exposed to moisture, the inner nitrogen remains encapsulated and will only be released when the surrounding temperature is sufficient for plant growth.
USGA laying ground work for lab accreditation

Continued from page 13

It will be very difficult to do, and who do we empower for this (deciding which labs get accredited)? Many labs aren’t following the protocol. And many don’t have the equipment to do so."

McWilliams suggested the USGA “back away from this whole lab issue and say, ‘Listen, industry, You’re all big boys, You’re using all sorts of different laboratories. You certainly don’t need us to tell you who to use or who’s qualified.

"Why does the USGA feel it has to make some sort of statement about the labs when, internally, they really don’t have any qualifications, which means they’re going to lay it off on somebody on the outside? Leave it alone. Forget about it. People know where to find us all."

Nevertheless, he added: “We would support and be involved in any program that would responsibly advance any lab accreditation program as it relates to science and professional laboratory operations.”

The Golf Course Builders Association of America two years ago instituted an accreditation procedure for builders. Adding soil-lab accreditation will make construction safer for developers, Snow said. “It will be more secure in getting good results from beginning to end,” he said. “The lab is just one step. You have construction and other areas to go through where problems can occur. But the more factors you can take out of the equation, the better off you will be.”

From the labs’ standpoint, they will be more secure if they must defend their work — if they are accredited. They must have a quality assurance program, and “if they get involved in a lawsuit, it will be a lot easier to defend their position and the quality of their work if they’re accredited.”

Snow said, “It will help them as well as the client. I think everybody’s going to win once we get it rolling.”

“No question, there’s going to be a significant cost involved,” Hummel said, “from preparing the required documentation — the SOP [standard operating procedure] and QC [quality-control] manuals — to the up-front fees to pay for a consultant to come in your lab for two days and make sure things are being done, and the added record-keeping...”

“But I think it’s been a lot of work and hassle, I think it’s bringing about a very positive change in the way things are done.”

The USGA will set up an open meeting with AALA at the annual conference of the Golf Course Superintendents Association of America in San Francisco at the end of February.

“We want labs to feel comfortable with the idea, and provide them an opportunity to ask questions,” Snow said.

Dealing with paperwork and other factors may take six months or more to accredit labs, he said, adding, “We will have some sort of phase-in period.”

One outgrowth of the procedure is that the USGA will no longer list labs in its USGA Greens Specifications booklet, he said. Instead, a sheet, which will be continually updated, will be inserted.

... Because of continuing controversy over its specs, the USGA hired Hummel to study the soil labs involved in golf. Hummel’s work led to specific procedures so that work between labs was more comparable — and exact.

The USGA sent “blind tests” to 13 labs and found the majority were very close on all soil characteristics — except pH, which disturbed Snow.

Hummel said the new test protocol has no test procedure for pH, but “maybe it should. There are a couple ways to do it. But that doesn’t explain the disparity (of the blind tests).”

No other changes are planned, he added.

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I think it’s bringing about a very positive change in the way things are done.”

— Norm Hummell

January 1996
**West**

SIIERA CHAPTER ELECTS BOWMAN

The Sierra Nevada Golf Course Superintendents Association (SNGCSA) has elected its officers and directors for the coming year.

Peter Bowman from Merced Hills Golf Club in Merced, Calif., was elected president. Bob Francischine of Micke Grove Golf Links in Lodi, Calif., was elected vice-president and Dave Laurie of Old Brockaway Golf Course in Kings Beach, Calif., was elected secretary-treasurer.

**Northeast**

PERMIT CENTER CREATED

BALTIMORE, Md. — The Maryland Department of the Environment (MDE) has created an Environmental Permits Service Center in an attempt to improve customer service for permits and other environmental regulatory issues.

NY EXPO READIED

SUFFERN, N.Y. — The New York State Turfgrass Association (NYSTA) will hold its annual Turf and Grounds Exposition II at the Holiday Inn-Suffern on Feb. 1 and 2, for superintendents, athletic field managers, lawn and landscape managers, and anyone else involved in turfgrass and grounds management.

NY SCHOLARSHIPS PRESENTED

DELHI, N.Y. — Four golf industry majors at the State University College of Technology at Delhi have been awarded scholarships by the New York State Golf Association.

NEUMANN IS SUPER OF YEAR

The Nebraska Golf Course Superintendents Association (NGCSA) named Richard Neumann, superintendent at the Highlands Golf Course in Lincoln, as Nebraska Golf Course Superintendent of the Year for 1994.

Neumann was selected for his work at the new City of Lincoln municipal course, as well as for his contributions to the association.

The NGCSA has also elected officers for 1995. Neumann was chosen as president. Douglas Dykstra of the Pines Country Club in Valley was chosen as vice-president.—and Alan Culver of Mahoney Golf Course in Lincoln was re-elected as secretary-treasurer.
Southeast
CAPE FEAR ORGANIZES
The Cape Fear Golf Course Superintendents Association is the newest affiliated chapter of the national GCSAA. The Cape Fear GCSA's application was approved by the GCSAA board of directors last summer. Cape Fear GCSA has about 50 members in North Carolina's southern coastal area, including Wilmington. Alton Owen of Pine Valley Country Club is president of the new chapter.

ESODA LEADS GEORGIA CHAPTER
WATKINSVILLE, Ga. — The Georgia Golf Course Superintendents Association (GGCSA) board of directors held elections for 1994-95 Executive Committee officers and board members. They are Mark Esoda, president; Chuck Underwood, vice president; William Shirley, immediate past president; Jim Dusch, secretary; Buck Workman, treasurer; Sam Crowe, Craig Ketelsen and Wade Thomas. Newly elected board members include Harold Franklin and Scott Johnson. Retiring GGCSA Board members are Mark Hoban and Bob Perry.

JENKINS CENTRAL FLA. PRESIDENT
Brian M. Jenkins of Dubsdread Municipal Golf Course in Orlando has leaped from the secretary-treasurer position to president of the Central Florida Chapter of the Florida GCSA in the wake of resignations from President Chuck Blankenship and Vice President Donald W. McCommon of Ventura Golf and Country Club in Orlando. Blankenship also resigned his position at Ridgewood to pursue other interests in the industry. The 1994 Field Day raised more than $5,400 for turf research.

The Ft. Lauderdale research green and the FGCSA lobbyist each will receive a $2,000 stipend from chapter funding.

STANDING COMMITTEES NAMED
The Central Florida Chapter has appointed committee chairmen, including Stuart Leventhal, both membership and public relations; Hal Richburg, education; Brian Jenkins, finance; Scott Welder, nominations; Matt Bruns, golf; and Joe Ondo, membership services.

Mountains
GOLFXPRESS UNVEILED
LAKEWOOD, Colo. — The Golf Xpress, a four-wheel, single-rider golf car modified so that some competitors played directly from their golf car, was an exciting innovation to the recent Electric Mobility ADAG national tournament at Fox Hollow Golf Course.

The unique design allowed full access to the golf course, including putting from the vehicle.

Thomas T. Houston was named the 1994 honoree for outstanding contributions to the game of golf on behalf of disabled golfers. Vic Cullen of New York won the newly-established Eric Benson Memorial Competitor Award.

ARIZONA STUDENT HONORED
TUCSON, Ariz.—Frank Lister, a graduate turfgrass management student at the University of Arizona who has been working on the Karsten Turfgrass Research Program, was recently awarded a $500 scholarship from the Cactus and Pine Golf Course Superintendents Association of Arizona.

Lister's research focuses on the use of wetting agents to promote better irrigation efficiency. He is in his last year of collecting data and presented his results at the 1994 National Agronomy Society of America meetings in Seattle, Wash.

South Central
ARK. READIES FOR CONFERENCE
LITTLE ROCK, Ark. — The Arkansas Turfgrass Association will host its annual conference and trade show on Jan. 16 and 17, at the Arkansas Statehouse Convention Center and the Excelsior Hotel.

For more information contact Angie McSwain at 501-663-8810 or the Arkansas Turfgrass Association, Penthouse Suite, 1123 S. University, Little Rock, Ark. 72204.

Golf Course News
PRESIDENT

Name: Gary Grigg
Age: 53
Course: Napels (Fla.) National GC
Years GCSAA member: 24
GCSAA posts: Current vice president; board member since 1989; chairman of scholarship and research, tournament, membership, finance, chapter relations, planning, conference and show committees; vice chairman of public relations committee; member of nominating, certification, developmental study advisory, fund raising, 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 Everglades and Florida GCSAs; member of Florida 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 agricultural economics from Arizona State University.
Family: Wife, Coleen; children, Jill, 28, Jared, 20, Aaron, 21, Byron, 14.
Goal: "My No. 1 goal is to get the message out that superintendents are doing a great job. I bring a varied background to a changing industry. The new executive staff is doing a great job. I bring a varied background to a changing industry. The new executive staff is doing a great job."

SECRETARY/TREASURER

Name: Paul McGinnis
Age: 43
Course: Union Hills Country Club, Sun City, Ariz.
Years GCSAA member: 17
GCSAA posts: Board member since 1992; chairman of scholarship and research, tournament, publication and research committees; member of conference and show, planning, nominating and standards committees.
Other associations: Past president of Cacti and Pine Golf Association Green Section Committee.
Education: Bachelor's degree in agricultural economics from Arizona State University.
Family: Wife, Kendra; children, Marci, 21; Kari, 19; Michelle, 17; Mogen, 13.
Goal: "My goal is to continue the direction established by the GCSAA — listening to members in order to meet the ever-changing needs of the business. The new executive staff is doing a great job. I bring a varied background to the board. I've been involved statewide in governmental relations, water rights and pesticides."

NAME

GCSAA Candidates
At a Glance

(Directors and Vice President on pages 27, 28)

Name: George Renault
Age: 46
Course: Burning Tree Club, Bethesda, Md.
Former head superintendent at: Chevy Chase (Md.) Club; Penderbrook GC, Fairfax, Va.; Goose Creek CC, Leesburg, Va.
Years GCSAA member: 17
GCSAA posts: Board of Director member since 1993; chairman of certification and government relations committees; vice chair of scholarship and research committee; eighteen-year voting delegate; member of federal Americans with Disabilities Act Golf Advisory Commission, Water Fellowship Selection Committee and RISE government issues committee.
Other associations: Past president of Mid-Atlantic Association of GCSA and Greater D.C. GCSA; past member University of Maryland Turf Advisory Committee and Maryland Turfgrass Council advisory committee; member of Maryland & Virginia Turfgrass councils.
Education: Certificate in golf and turfgrass management, University of Maryland.
Family: Wife, Lucinda; children, George, 17, Lucy, 13.
Goal: "I can bring a continuation of my support and interest in the running of the GCSAA. Better improving communications with members and enhancing relations with the local chapters are my primary goals."

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**BOARD MEMBER**

**Name:** Tommy D. Witt  
**Age:** 41  
**Course:** Wynstone GC, North Barrington, Ill.  
**Former head superintendent at:** Texas (Texas) Country Club, Dallas; Austin (Texas) Country Club; Riverhill Club, Kerrville, Texas.  
**Years GCSAA member:** 16  
**GCSAA posts:** Board member since 1994; chairman of public golf committee; candidate at annual meeting; member career development group; voting and alternate delegate.  
**Other associations:** Past president of Connecticut GCSA; member of Professional Pesticides Users of Connecticut.  

**Name:** Michael Wallace  
**Age:** 44  
**Course:** Hop Meadow CC, Simsbury, Conn.  
**Former head superintendent at:** Rockledge CC and Buesta Vista GC, West Hartford, Conn.  
**Years GCSAA member:** 17  
**GCSAA posts:** Member of public relations and membership services committee; candidate at chapter relations annual meeting; member career development group; voting and alternate delegate.  
**Other associations:** Past president of Connecticut GCSA; member of Professional Pesticides Users of Connecticut.  

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**Board Member**

**Name:** David Gourlay  
**Age:** 38  
**Course:** Club Summerlea Inc., Dorin, Quebec, Canada.  
**Former head superintendent at:** Eagle Creek GC, Ottawa; Beacon Hall CC, Toronto; Ladies GC of Toronto.  
**Years GCSAA member:** 15  
**GCSAA posts:** Member of nominating, membership and standards committees; voting delegate for the Ontario GCSA.  
**Other associations:** Past president of Ontario GCSA; board member of Ottawa Valley and Western GCSA, member of Ontario Turfgrass Research Foundation; advisor Canadian & Quebec GCSA.  
**Education:** Bachelor's degree in agronomy, Texas A&M University; associate's degree in turfgrass management, University of Massachusetts.  

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**Name:** Paul Dermott  
**Age:** 49  
**Course:** Oakdale Golf & CC, Downsview, Ontario, Canada  
**Former head superintendent at:** Chinguacousy CC, Caledon Hills, Ontario; Islington GC, Toronto  
**Years GCSAA member:** 26  
**GCSAA posts:** Conference session chairman; conference speaker; conference panel member; voting delegate; alternate; member of certification, membership, conference and show committees; member of Golden Tee Club.  
**Other associations:** Past president Ontario GCSA; member Canadian GCSA; member Western Ontario GCSA.  
**Goal:** I think I have something to offer the association, especially now that my children are grown and I have the time to devote to it. Our top priority should be to continue upgrading the professionalism of our members. I'm happy with the changes that have been made recently and the direction the association is moving."

---

**“Why JacklinGolf pays me to take a club to their grass.”**

Being a professional golfer for 32 years now, I know a thing or two about golf courses. Like how to make the ball roll smoothly on a putt. Or how to outsmart those tricky contoured greens. But when it comes to the precise science of growing the best grass for the course, I have to admit, I'm not the expert. That's why I trust my friends at JacklinGolf. They've got turfgrass solutions down to a science. You see, the JacklinGolf Team is made up of a tremendous research staff of professionals, like plant breeders, agronomists and scientists. So you know you can count on highly specialized assistance whenever you're making those all-important turfgrass decisions. From site analysis to troubleshooting to tailored recommendations, JacklinGolf is there to help. "Now, I can't say they can offer you tips on your golf swing. Maybe that's why they hired me. Or, come to think of it, we do share the same name..."
President's Environmental Award to Hiers

By MARK LESLIE

NAPLES, Fla. — It has been a remarkable journey the last few years for Tim Hiers. From superintendent at the environmentally friendly John's Island Club in Vero Beach to operating the country's first Audubon Signature Cooperative Sanctuary Golf Course at Collier's Reserve here, to winning the treasured President's Award from the Golf Course Superintendents Association of America (GCSAA) — this has been a time of excitement.

Yet, Hiers, a member of the Golf Course News Advisory Board, would give credit elsewhere.

"Without sounding falsely humble, I have been in the right place at the right time," he said. "The accumulation of what I'm doing has been direction and guidance and experience from other superintendents — not books and magazines. It has not been from real-life experience and looking at examples of myriad superintendents who have done all this before. We just had the opportunity to try to embody most of those simultaneously."

The President's Award was created in 1992 and has only been presented to the Cape Cod Superintendents Association and Audubon Wildlife Sanctuary for Environmental Leadership from the Golf Course Superintendents Association of America (GCSAA).

Continued on page 31

Candidate Grigg

Continued from page 26

Mr. S. Nakano, Greenkeeper
Kumada Club
Okayama, Japan

Garrett Dick, Golf Course Superintendents
The Harvard Golf Course
Kelowna, BC, Canada

Joseph M. Tobin, Golf Course Superintendents
Oak Hill Country Club
Brockton, New York

Gary Dement, Golf Course Superintendents
New South Wales Golf Club
Sydney, Australia

Mandel Buckminton, G. C. Supt.
Dunbarton Country Club
Hot Springs, Arkansas
GCSAA honors troika for Distinguished Service

By MARK LESLIE

S AN FRANCISCO — The Golf Course Superintendents Association of America’s (GCSAA) Distinguished Service Award could be named The Beyond the Call of Duty Award. Given for contributions advancing the superintendents’ profession, the award this year will be presented here to Drs. Milton Engelke of Texas A&M University, All Harivandi of the University of California-Davis and Michael Hurtzdan (see related story, page 30), a golf course architect based in Columbus, Ohio.

“To me, it's what we do out of the scope of their job” that determines if a person is worthy of the honor, said Gary Grigg, GCSAA vice president and member of the board that voted on the honor. “We never ask Milt, for instance, to do anything. But he serves, speaks, teaches, and is a champion of the superintendent.”

Engelke has been on the U.S. Golf Association’s (USGA) Turfgrass Research Committee since 1984, as well as serving on the GCSAA’s Technical Advisory Committee from 1987 to 1995 and now on its Research Committee.

“It has been an absolute joy working with GCSAA and with the quality of educational programs it has and the depth of its individual members,” Engelke said. “It is truly a marriage of associations, academia and industry.”

Dr. Ali Harivandi, an extension specialist in environmental horticulture, has performed extensive applied research programs. But both along with Hurtzdan, went beyond the call, giving high amounts of time to local, regional and national turfgrass industry affairs.

Now they will reap a reward. As Harivandi said: “I am still basking in the glory of it. I am really honored.”

Engelke has work in two areas vital to turfgrass management with emphasis on soil and water salinity, particularly affecting golf course maintenance buffalograss. “It is first significant steps toward putting good genetics into bentgrasses development as far as A&M is concerned, and giving the superintendents stronger tools to work with,” Engelke said.

And, he added: “Very soon, you will see a marked change in the zoysiagrass market. Some new vegetative-type zoysias will be released that should impact superintendents with fewer maintenance requirements, the options they have available, as well as sports turf and parks and recreation people and homeowners.

“They are more compatible with natural environmental conditions but have much faster production time, much longer color retention, less maintenance and lower water requirements that even Meyer zoysia has.”

Meanwhile, from his headquarters in Hayward, Harivandi has work in two areas vital to California — use of effluent water and reducing green clippings.

Because of his PhD in turfgrass management with emphasis on soil and water salinity, Harivandi was perfectly situated several years ago when the use of effluent came on the scene, particularly affecting golf courses. He published a book through the university and started working with people on the issue and gathering more information all the time. In 1994 he taught the first one-day seminar on wastewater use at the GCSAA conference in Dallas. It will be repeated this year.

Today, he receives calls from around the world seeking his advice. His recommendation? “Every plant produces a different quality water,” Harivandi said. “You may or may not have prob-
By MARK LESLIE

Coincidence does not come into play here. Ask golf course builders which architect is most knowledgeable about the maintenance complex, environmental issues and the importance of bringing a superintendent onboard a project early, and your answer is often Mike Hurdzan. Ask the Golf Course Superintendent Association of America (GCSAA) who is getting its Distinguished Service Award this year and the lone architect’s name is announced: Mike Hurdzan. And what was the GCSAA board’s vote for approval? Unanimous: “Mike received the award because of his unselfishness with our members,” said Gary Grigg, GCSAA vice-president and the superintendent at Naples (Fla.) National Golf Club, where he worked hand in glove with Hurdzan. Speaking of Hurdzan’s effectiveness in speaking at superintendents’ conferences, Grigg added, “First, he used to be a superintendent, so he fully understands it. Second, he’s an agronomist, so he fully understands the agronomy, the drainage problems, everything from a superintendent’s viewpoint.”

Dr. Michael Hurdzan’s history, in fact, reads: landscape business owner, five years; greenkeeper, nine years; superintendent, two years; and course architect, 23 years. He earned a bachelor’s degree in turfgrass management from Ohio State University, and master’s degree in turfgrass physiology and Ph.D. in environmental plant physiology studies from the University of Vermont.

A past president of the American Society of Golf Course Architects, sought-after speaker at turf conferences, and editorial adviser to Golf Course News, he was the Ohio Turfgrass Foundation’s Man of the Year in 1988. But the background in course maintenance stands as the foundation of his career in golf. “I always knew I wanted to be a golf course architect,” he said. “I didn’t see how you could design one efficiently if you didn’t know how maintenance facilities worked.”

Winning the Distinguished Service Award, he said, is of particular importance to him because: “I have the utmost respect for the work the superintendent does. The superintendent is truly the rubber meets the road. He stands between the golfer, the greenkeeper, the course builders and architects, who are simply the guys putting it out there. He can make us look real good or not so good. He is in that pressure cooker every day.”

The Golf Course News survey of course builders that spurred their recognition of Hurdzan asked:

• Which architect best understands the importance of the maintenance facility/complex?
• Which architect best understands the importance of having a superintendent on board early in a project?
• Who is most conscious of the environment?

“The single most important factor in golf course maintenance is hiring the superintendent. Second is giving him the right tools. The maintenance facility is definitely top among the right tools,” Hurdzan said. “First, it is the central focus for the operations. Second, it needs to be environmentally correct — from EPA and hazardous materials views, and as a safe work environment.”

The superintendent should have a major hand in designing the facility, which “takes a great deal of introspection,” he said. “What they should be thinking about is fire walls, vehicular movement, hydraulic lifts, drains, that sort of thing. And the superintendent should be the one with the major input.”

Hurdzan Design Group always asks its clients to hire the superintendent as early as possible. “I don’t care if the superintendent is hired before us, but he should be brought on absolutely as early as possible,” Hurdzan said. “Then it is his job to learn everything about that ground — soils, vegetation, drainage, climate, EPA laws and regulations that apply to that site, ground water everything. And if somebody in the world knows more, he hasn’t done his job.”

Saying his training in golf course maintenance is “either a blessing or a curse,” Hurdzan explained that 12 years ago he stepped into what was then a void as a defender of golf in the realm of environmental debate. An environmental innovator in design and construction, he said of his debate with environmental activists: “I see myself as a facilitator, not an environmental genius. I have enough background and experience that I know who to turn to. If someone gives me a negative environmental answer I know enough to question it.”

MAINTENANCE

It’s unanimous: GCSAA honors Hurdzan

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Dr. Michael Hurdzan

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GOLF COURSE NEWS
Supers salute Hiers

Continued from page 28

tuary Program for Golf Courses
Audubon Society in concert with
administered by the New York
recipient is chosen by the GC-
exceptional environmental con-
ceremonies of the GCSAA Inter-
sented to Hiers at the opening
national Conference and Show
in San Francisco.

William Timothy (Tim) Hiers,
a certified golf course superin-
tendent, has fought for years to
illustrate that superintendents
are environmentalists of the first
degree. Now at Collier’s Reserve
in Naples, Fla., the first Audubon
Signature facility and a world-
wide model of environmental
excellence, he received the first-
ever John James Audubon Stew-
ard Award and the Florida Re-
region Environmental Steward
Award last year.

A member of the GCSAA Gov-
ernment Relations Committee
and co-chairman of the Florida
Turfgass Associations External
Affairs Committee, he was re-
cently named the Florida Golf
Course Superintendents Associ-
ation’s government liaison.

Hiers has actively presented
the case for golf courses region-
ally with tours for schoolchil-
dren, seminars and local speak-
ing engagements.

“I can tell you in individual
categories where other superin-
tendents have done better than
we have,” said Hiers. “That’s
where I got a lot of the fodder for
doing this. And if it had not been
for a company like Collier Enter-
prises and someone like Jeff Birr,
who are environmentalists
themselves as environmentalists
writing laws, they are always going to be superfluous, ex-
treme, capricious and counter-
productive,” he said. “Superin-
tendents have been and will
continue to be the leaders in many
of these [environmental] areas.
We’re in the trenches. We’re the
ones who have to deal with the
regulators and the fire marshals,
EPA and club members.”

Harivandi & Engelke

Continued from page 29

lens... Superintendents need to analyze the
water and evaluate its suitability for irrigating
their golf course based on the type of grass,
plants and soil they have. That is the first step:
“If, indeed, they have very low-quality water,
they must think of remedies and there are
many ways to deal with that: such as blend with
a better quality water or grow salt-tolerant
grasses* or inject acid, or gypsum or another
chemical into the irrigation system.

Harivandi is also spearheading research
projects to reduce green waste, especially grass
clippings. A law was passed in California in 1989
which requires all municipalities to reduce solid
The Alameda County specialist found that
mult mowers are a great help. Also, he said,
“You can use slower-growth grasses, apply more
effective growth regulators with not much tox-
icty, use recycling mowers and manipulate your
fertilization program to slow growth. The
combination will reduce the amount of clip-
ings tremendously. You can basically elimi-
nate the grass clippings.

The 1982 and 1992 recipient of the Northern
California Turfgrass Council’s Research and
Education Award, Harivandi was the GCBA of
Northern California’s selection for its Distin-
guished Service Award in 1996.

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AVOID "FRECKLING"

Circle #127
GCSAA Notebook

Continued from page 13

of New York State; Paulette Pyle, director of grassroots for Oregonians for Food and Shelter; and a senior official from the U.S. Environmental Protection Agency. GCSAA President Joseph G. Baidy will moderate the panel, which will discuss how media and public perception are molded.

Another session has been added to the GCSAA conference schedule. "The Appraiser/Analyst Perspective," which will discuss how media and physical and economic issues affecting the valuation of golf properties, followed by an open forum. Speakers will be SGA President Laurence A. Hirsch, Vice President San Hines, Secretary Carl Schultz and Director David J. Yerke.

The GCSAA has announced the appointment of several managers to its headquarters staff:

Charles M. Borman has been hired as membership manager. Brad Short has been hired as government relations manager. Kim Heck has been hired as GCSAA’s first career development manager and started work Nov. 1, 1994. Burke Beeler has been hired as development manager. Former GCSAA Membership Manager Jennifer Mc-Caughhey has been named systems manager of GCSAA’s Central Services department, where she will work on management information systems, database management and training.

Gary Grigg, superintendent at Naples (Fla.) National Golf Club, has been nominated for the presidency of GCSAA. The election of officers and directors will take place Feb. 27 during the GCSAA’s annual Conference and Show in San Francisco (For thumbnail sketches of all those standing for GCSAA office, see pages 26-28).

The West Virginia Golf Course Superintendents Association recently donated $5,000 to the GCSAA Foundation to support research on health and safety issues. As a donor of $5,000 or more, the West Virginia association will be honored as part of the Platinum Tee Club at the GCSAA show in San Francisco.

The number of active superintendents certified by the GCSAA has reached 1,400 for the first-time in the history of the 23-year-old program.

The 1,400 superintendents holding the title of Certified Golf Course Superintendent (CGCS) represent about 20 percent of the association’s Class A membership.

Students pursuing careers in golf course management recently got a boost from a $40,000 donation to the GCSAA from the Metedeconk National Golf Club of Jackson, N.J. The donation was derived from the club’s annual Robert Trent Jones Invitational Team Championship. It will go into the GCSAA Foundation’s Robert Trent Jones Endowment, which provides scholarships for outstanding students pursuing careers in golf course management. The fund currently stands at more than $600,000.

The GCSAA has formed a blue-ribbon committee to try to remain environmentally proactive and to identify research priorities.

The GCSAA’s Research Committee has identified agronomic research; the environment; health and safety; and business and operational issues as four major areas of concern. The committee, chaired by GCSAA Director Paul McGinnis, is made up mainly of member superintendents and turfgrass researchers.

The GCSAA’s Career Development Resource Group has developed several suggestions to improve employer education, job-seeking skills and tools and career guidance and counseling. Some of the suggestions are: improving the GCSAA’s Employment Referal Service; improving the GCSAA’s Employment Resources Kit; improving the GCSAA’s Salary Survey; and changing the purpose and direction of The Leader Board, the GCSAA’s club and course leader-directed newsletter.

The group discussed changing the newsletter from a subscription-based publication to one free of charge to every golf course with a GCSAA member.

A new Historical Preservation Resource Group has been formed by the GCSAA to preserve the history and evolution of the superintendent and the job of maintaining a golf course.

A book on the GCSAA's history is already planned, and research is under way which could eventually be turned into exhibits and displays.

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Rollers, attachments take their place in maintenance program

Turf rollers are becoming an increasingly important maintenance tool as golfers demand ever-faster greens speeds and cutting heights reach dangerously low levels. Rollers are used prior to mowing to more speedily return them to puttable condition. In some cases, they can be used after topdressing scalping. They can be used following greens aeration to work the sand through the turf.

Turf rollers are becoming an increasingly important maintenance tool as golfers demand ever-faster greens speeds and cutting heights reach dangerously low levels. Rollers are used prior to mowing to more speedily return them to puttable condition. In some cases, they can be used after topdressing scalping. They can be used following greens aeration to work the sand through the turf.

Many companies offer turf rollers for maintaining greens. Among them are the following firms:

- Gandy Company — 800-443-2476
- Jacobsen Div. of Textron Inc. — 414-637-6711
- Multitynes Ltd. — 416-520-4845
- Newlan Bowlis, Turf Equipment Division — 803-871:013
- Pacific Equipment & Irrigation Inc. — 909-394-5311
- Portocool Corp. — 800-247-2326
- Precision Small Engine Co. — 305-974-1960
- Salsco Inc. — 203-271-1682
- SISIS Inc. — 416 520 4845
- Smithco Inc. — 215-888-8801
- Turf Care Products Inc. — 800-282-4792
- Wood Bay Enterprises Inc. — 800-661-4942

Manufacturers positioned for onset of electric models

By PETER BLAIS

The introduction of the electric riding greens mower is the most talked-about technology to hit the greens mower market in the past year. Jacobsen, as it did a year ago, will demonstrate its prototype at the upcoming Golf Course Superintendents Association of America International Conference and Show in San Francisco and begin selling units in early 1996. Toro and Bunton are rumored to be working on electric riders.

As with any innovative new product, questions abound. Those concerning electric riders include, "Will the batteries remain charged long enough to mow greens in hilly terrain?" and "How will the units operate in cold weather on Northern courses?"

"As a concept, it's an interesting one. But we'll have to take a look at what's out there and see what they can do before we get too involved," said Clair Peterson, Deere's advertising and promotions manager.

The E-Plex hit the market on a commercial basis in early November, according to Ransomes spokesman Tom Mentcer. While no specific sales figures were yet available, Mentcer said the E-Plex had generated "a lot of excitement" during demonstrations at golf courses and trade shows. Demonstrations-to-sales ratios were running a "very healthy" 3-to-2 (three demonstrations for every two units sold), he added.

"Superintendents already dealing or concerned about having to face noise ordinances were particularly interested," Mentcer said.

Sales are also strong for the Greensplex 160, a more traditional fossil-fuel-driven mower introduced a year ago, the Ransomes spokesman said. Jacobsen will be showing off a slightly revised version of its proposed electric rider in San Francisco, according to company spokesman John Mielke. The initial unit has been beefed up from a 36-volt to a 48-volt system. Other revisions will be worked in before Jacobsen moves into full production in early 1996, Mielke added.

"We don't see any disadvantage to being second into the market," the Jake executive said. "We're hoping to come out with some better features [than Ransomes]. Once our unit is in the field, we hope to be No. 1 before long."

Jacobsen has five models of traditional walking greens mowers and three riders. The walking mowers include the two- and four-cycle PGM models and the 18-, 22- and 26-inch Greens King units. The 18-inch (designed for undulating greens) and 26-inch (designed for collars, aprons and tees) models are relatively new to the marketplace.

"We're going to OPC [Operator Presence Controls] on our walk behinds," said Mielke of the handle-mounted bar that must be engaged before the mower will run.

Continued on page 34
Manufacturers take electric trend seriously

Continued from page 33

Jake introduced its Greens King IV rider with a 16-hp powered Briggs & Stratton Vanguard engine this past fall. Greens King IVs are also offered with a gas-powered, 16 1/2-hp Kohler engine and a 16 1/2-hp Kubota diesel.

Asked if Toro was working on an electric rider or any new riding greens mower, Commercial Products Division Marketing Manager Helmut Ulrich would only say, “We have a new product that will be on display at the show in response to the competition.”

Meanwhile, Toro has reintroduced a three-wheel drive rider, the Greensmaster 3100-3WD, with improved traction allowing operators to reach elevated greens or hilly areas. Like its parent, the two-wheel-drive Greensmaster 3100, the new rider features Toro’s Turf Guardian Leak Detector for preventing turf damage from hydraulic oil leaks.

In the walking line, Toro will also introduce the improved GR1000 with a smoother clutch and other improvements. The company introduced its GR500 walkers two years ago.

John Deere is updating its standard bearer, the Model 22 Walking Greens Mower, with the improved Model 220. “We took the basic unit, tried to keep the good things and improve on those things we could,” Peterson said.

The major improvement is the addition of an operator presence safety system similar to the operator-controlled bar that must be engaged for most consumer lawn mowers to operate. Other changes include a more powerful overhead valve system; an 11-blade reel increasing the frequency of clip; redesigned controls for more convenient operation; and durability improvements.

“We’ve retained the external split differential system that allowed the 22 to track so well,” said Peterson, adding that the updated unit should be in full production by the GCSAA show.

Deere also manufactures the 2243 Triplex in gas and diesel. One of its major attributes, Peterson said, is the cutting unit’s offset design allowing it to groom greens in opposite directions from day to day, thereby reducing compaction.

Bunton is sticking with its tried-and-true models in 1995, according to Gary Shampeny, vice president of sales and marketing.

The Louisville, Ky.-based firm offers 19-, 22- and 26-inch walk-behind GS models. The BG61L lightweight triplex riding greens mower is available with Kohler or Briggs & Stratton gas-powered engines and a Kubota diesel motor.

“We also have an optional three-wheel drive unit,” Shampeny said. “The technology came out of Japan where they have a lot of hilly slopes. It’s great for getting on and off severely sloped greens.”

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NGF PROMOTES FRANK

JUPITER, Fla. — Barry S. Frank, 36, has been named manager of NGF Consulting Inc., a subsidiary of the National Golf Foundation specializing in feasibility and operational studies for planned and existing golf facilities. Frank will direct five other consultants for NGF Consulting, which also offers acquisition/due diligence studies for investors and lending institutions.

DONALD ROSS TREE DEDICATED

ROCHESTER, N.Y. — A 100-year-old pine, the last of the trees in its family to honor famed golf course architect Donald Ross, has been dedicated on a 50-acre parcel of land in the Bluffton area, adjacent to Oak Hill, Pinehurst and Inverness. Mrs. Dale Shapiro, a granddaughter of Ross, attended the ceremony.

HARBOTTLE BREAKS GROUND

STEVENSON, Calif. — Ground has been broken here on the Stevenson Ranch Savannah Course. The 7,000-yard daily-fee track, designed by John Harbottle and George Kelley, is the first 18 holes of a planned 36-hole project by The Lurie Company and GHK Development.

ST. LOUIS ADDS COMMUNITY

ST. LOUIS, Mo. — Conrad Properties Co. has teamed with three The Jones Companies to develop St. Louis’s newest golf community. The 3,680-yard course, designed by John Harbottle, will be an upscale daily-fee track, designed by John Harbottle, and GHK Development.

CYPRESS LAKES OPENS EXECUTIVE

LAKELAND, Fla. — Cypress Lakes, named the number one community in the U.S. by the Manufactured Housing Congress, has completed and opened its new executive golf course. The 3,680-yard course, designed by Chip Powell of Powell Golf Design, winds through and around numerous cypress hammocks.

GOLF COURSE NEWS

DEVELOPMENT

BRIEFS

Mississippi’s coast eyed by developers

By Peter Blais

GULFPORT, Miss. — Local and state officials expect a developer to announce plans this month to build one or two golf courses along the Mississippi coast, a move that will help diversify the area’s casino gaming-dominated economy.

“We’ve had three groups looking at the marketplace so far and expect thousands of golfers a year,” said consultant Donald Wizeman.

“One group wanted to buy an existing facility and a second was still looking for financing. The third group proposed opening two of the six primary sites we want to develop and would like right of first refusal on the other four,” he said.

We’re negotiating right now and I expect something to be signed by the end of January,” said Harrison County Development Commission Executive Director Michael Olivier.

“We’re looking at $4 million to $5 million signature courses. We need some good tracks for the area to emerge as a major golf destination. We hope to have five or six projects get underway this year and be on line sometime in 1996.”

Florida Cabinet nixes Ross course in favor of park

By Mark Leslie

TALLAHASSEE, Fla. — Jacksonville area citizens, who voted unanimously on Dec. 13 to keep the golf course closed, retained the entire 500-acre island as a state park. The Jacksonville City Council had set aside $2 million to refurbish the Donald Ross-designed golf course, and support was strong from citizens who pointed out that merely 67 acres would be maintained.

But after 20 minutes of speeches from both sides, including opponents of Fort George Island and the Florida Audubon Society, the governor and Cabinet voted without debate.

“T’m still in shock,” said proponent John Kidwell.

Jack Kidwell: ‘Retire’ not in his vocabulary

Scratch golfer, Class A golf professional, golf course superintendent and award-winning designer, Jack Kidwell has been one of the most prominent, knowledgeable and respected men in Ohio golf for the past six decades. Kidwell, now in his mid-70s and living in Columbus, is a former member of the PGA, a past president and lifetime fellow of both the American Society of Golf Course Architects and Golf Course Superintendents Association of America. He started caddying at age 7, worked on a grounds crew at 16, bought the nine-hole Beacon Light Golf Course with his father and ran it at 19, and, in 1958, designed his first 18-hole course at 39. Since then he’s designed or renovated more than 100 courses. His design practice has since been bought out by protege Dr. Michael Hurdzan, but he remains active.

Q&A

GCN: When did you start playing golf?

Jack Kidwell: I’m not in his vocabulary

GCN: What’s the most important change in golf course design?

Jack Kidwell: The changes in golf have been so dramatic I think sometimes I’ve...
George's flagship, The Colonial, opens

By MARK LESLIE

WILLIAMSBURG, Va. — The first daily-fee course in the area will open the end of March or early April, leading the charge in the new golf boom here.

The Colonial Golf Course, designed by Lester George with PGA Tour pro Robert Wrenn, is pure golf, with no housing. “It's my flagship,” said George, of Richmond. “I've been waiting for three years for it. I do very detailed drawings of every hole, and we hit 99 percent of what I wanted.”

The Colonial is Wrenn's first design involvement, and he made 50 to 75 visits to the site, flagging clearing limits and “getting stuck up to my waist in mud,” he said.

“Robert was an extra set of eyes,” George said. “We got a very realistic feel for the golf course while building it. We got some ideas that improved the course during construction.”

Set 42 feet above sea level and boasting high ridges with deep ravines, the site afforded “absolutely perfect transitional golf terrain,” George said.

“It could be called The Natural, not The Colonial,” he said. “We moved less than 100,000 yards of dirt on 21 holes, which includes a three-hole practice loop.

“The key on that golf course,” Wrenn said, “is for golfers to play from the correct set of tees. If they do so, they should enjoy the course and play to their handicap. But because of the natural terrain and forced carries (even though those carries are only 75 yards), if you play from the wrong tees it will stretch you.”

George said the project could be used as a case study for golf development in Chesapeake Bay. Approximately 5,000 feet of the property are on a tidal marsh in the bay. Three holes required exceptions from the local wetlands board, and a half-dozen state and federal agencies reviewed the plans. Also, a three-acre pond was built and the course pumps from Mill Creek.

Set on 210 acres, the course covers 4,579 to 6,908 yards over five sets of tees. The facility boasts a practice area, teaching center and complete clubhouse.

Particle distribution pattern for typical blended product.

Particle Coverage and Crabgrass Control Comparison

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<th>Avg. Number</th>
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<td>Scotts, Fine Particle Poly/S, Base</td>
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Scotts® fertilizer-based preemergent weed control products are the most widely used, for three very fine reasons.

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For maximum weed control, you need the finest particle size. The Colonial could be called The Natural, say Lester George and Robert Wrenn.
Mark McCumber tops off sizzling Tour year with some TPC icing

By MARK LESLIE

Coral Springs, Fla. — Westinghouse division Coral Ridge Properties, the city of Coral Springs and the Tournament Players Club have announced a new development here involving a daily-fee golf course that will host the Honda Classic for at least the next 25 years.

The project is "a nice marriage" between everybody involved, said McCumber Golf Design architect Mike Beebe, whose boss, Mark McCumber, has some very personal interest in it.

Coming off a three-victory season culminating in the Tour Championship on the PGA Tour, McCumber "is real excited" by the project, called TPC at Heron Bay, Beebe said. "Not only is it a high-profile design job, but it's one his playing peers will be evaluating over the years."

A course architect before joining the Tour, McCumber "is always very involved in our projects, but even more so in this one," Beebe added.

Coral Ridge Properties will develop the course, clubhouse and related housing, while the city will build a 30,000-square-foot conference center and, later, a 300-room resort hotel. The TPC will manage the course, which will host its first Honda Classic in 1996. McCumber plans to have the golf course grassed out by June and a soft opening in November or December.

"This is very exciting news for the company and the community," said Roy W. Ramsey, executive vice president and general manager of Coral Ridge Properties, which is the founder and primary developer of Coral Springs.

It will not be a stadium course, but "spector friendly, with significant mounding and spectator areas," Beebe said.

One million cubic yards of dirt will be moved since the course sits on 210 acres that are "as flat as a table — a pasture, no trees, and just a channel and berm away from the wind," Beebe said. "A major challenge is designing a layout to fit the southern Florida climate. The Honda Classic is held every March, "and in March the east coast, the wind roars," Beebe said.

Those winds led the Tour to move the Honda Classic from East West Golf Course at the Heron Bay property, to Weston Hills.

"So we are designing a course where you don't have to carry on every single approach shot or tee shot," Beebe said. "When the wind blows those types of courses can become unplayable. This will be playable whether the wind blows or not.

"The real theme here will be the bunkering, as you might expect with no trees. We need to create visual targets."

Also, because of the winds, the course is routed so that most of the water on site lies on the perimeter and golfers will have a lot of room to hit the ball, he said.

Rees Jones active East Coast to West

DESTIN, Fla. — Burnt Pine Golf Club, designed by Rees Jones, is the latest addition to the already plentiful golfing options at the Sandestin Resort, a 2,400-acre residential resort community here, near Pensacola along Florida's Emerald Coast.

Burnt Pine, which will be open to members and resort guests until further notice, features four sets of holes that will allow the course to be played from approximately 5,600, 6,000 and 5,100 yards as well as the championship yardage of 7,046. The par-72 track was carved from sandy pine forests and freshwater wetlands.

Burnt Pine adds 18 holes to the original Sandestin Links and the 27-hole Baytowne Golf Club, giving Sandestin a total of 63 holes.

Meanwhile, at Durham, N.C., the newly renovated Duke University Golf Club was christened late last year by Jones after a $2 million facelift. The original course, designed by Rees' father, Robert Trent Jones, opened in 1957. The redesign provided Rees with a chance to do what he called "a hands-on job, a true labor of love." The campus-based course now has redesigned and rebuilt greens, tees and bunkers and regraded fairways.

In North Scottsdale, Ariz., the Dioguardi Companies and Foot Wedge Golf L.L.C. is working with Rees on the construction of Legend Trail Golf Club. The club will consist of an 18-hole course and a territorial style clubhouse that will be located within a 573-acre master-planned community.

Particle distribution pattern for Scotts, methylene urea fertilizer/pendimethalin product.
**DEVELOPMENT**

**Brauer active in Metroplex; Sky Valley mess settled**

**ARLINGTON, Tex.** — Jeffrey D. Brauer has completed two upscale, public golf courses within the Metroplex that will be ready for play in 1995. Cross Timbers Golf Course, in the city of Azle, is a 6,780-yard course located in a wooded setting with rolling hills and limestone outcroppings. Tangleridge is a 6,810-yard layout in the city of Grand Prairie. Tangleridge was inspired by the work of legendary British golf course architect Alistair Mackenzie (1870-1934) and features numerous multi-lobed sand bunkers.

**VALLEJO, Calif.** — Sky Valley San Francisco, L.P. and its general partner, Misawa Homes of America Inc., the owner of approximately one-half of a 1,339-acre subdivision located here, known as "Sky Valley," has settled all claims with the master developer, Sky Valley Limited Partnership. The settlement comes almost two and a half years after the parties began litigation over breach of contract and construction claims in excess of $100 million in Solano County Superior Court. The two parties were eventually moved into binding arbitration starting in November 1993. Under the terms of the settlement, the parties will move forward and complete the development, which includes an 18-hole golf course designed by Arnold Palmer.

Jacksonville loses circa 1920s Ross golf course

**Continued from page 35**

King of Neptune Beach, president of Ft. George Island Golf Association, Inc.

Supporters of the course hope to find more supportive listeners in the new Cabinet which includes four new members who stepped into their jobs on Jan. 3. Any member of the Cabinet can offer a motion to rescind a previous action of the Cabinet.

The Cabinet’s vote was on the so-called 210 Plan which requests $4 million to build the infrastructure for such "passive recreation" as hiking and bird watching.

“We have an abundance of nature trails in Duval County. There are 58,000 acres of state park adjacent to Fort George Island, and we only want 67 acres for greens, tees and fairways,” King said. “Plus, their plan asks for another $4 million... and we already have $2 million to restore the golf course.”

Opponents said golf course architect and Jacksonville resident Bobby Weed, “used the same old, typical environmentalists’ fear and sensationalism tactics about the water, contamination, leaching.”

Billy Arnold of Friends of Fort George Island told the Cabinet the 250-acre island is too small to support both a golf course and state park, according to The Florida Times-Union.

Golf historians have pointed to the fact that nine of the course’s 18 holes were designed in the 1920s by Ross, one of the most famous course architects in the world.

The island had been clearcut and turned into a cotton plantation long ago, and construction of the course rejuvenated it. Now, a treasure will be lost, they say.

The state bought the island in 1989 and gave Jacksonville an interim-use agreement allowing the city to continue operating the golf course property.

But in 1981 Mayor Ed Austin said the course was too expensive to maintain, and it was closed.
Designer Walker, pioneering scientist Hawkins link up in new firm

By MARK LESLIE

Operating on the belief that time to gain approvals can be "significantly shortened" by coordinating design, environmental and permitting disciplines in the planning process, scientist Larry K. Hawkins and former Gary Player Design Co. architect Tom Walker have formed a new company attempting just that.

Headquartered in Gainesville, Fla., U.S.A., Golf Design Studios, Inc. will offer course design, engineering and environmental management and permitting expertise. It draws on Hawkins' expertise in golf permitting and Walker's background in course design and construction.

They hope to make in-roads in Asia-Pacific, Hawkins said, adding: "I hear so much about their water-quality and environmental problems, and our concept works well in those situations. It's a common-sense approach, implementing design, water-quality and maintenance practices on the entire site plan."

Before forming their company, Hawkins and Walker worked well together on a couple of projects.

"We have been able to manage project approvals in substantially less time compared to other projects in the same area," Hawkins said, "when we have provided wetlands, water-quality and habitat-management plans that were properly integrated into golf course design and site-planning elements. "This translates into hard dollar savings for our clients. Our experience in golf-related environmental issues has been very useful in expediting the approval process."

None of his plans, Hawkins said, has required expensive numerical model analysis for pesticide fate assessments. "Our experience," he said, "has been that there is a positive response from the political bodies and general public to projects that have been well planned and focused on environmental sensitivities from the outset."

Hawkins has integrated computer simulation technology into the course and water management design plans to help developers and the public better visualize how the water system and golf hole function together.

Hawkins, president of GeoScience Inc., has been providing environmental management programs and helping gain permits for golf courses for more than two decades.

Walker has 30 years experience—the last six years as an architect with Player Design and five years before that with Wadsworth Golf Construction Co.

Cascio, Stanhibel form DesignlnOne

KENOSHA, Wis. — Steven Cascio and Joe Stanhibel recently formed DesignlnOne, a multi-discipline design group exclusively concentrating in golf club and resort identity programs.

Cascio and Stanhibel have more than 30 years of international marketing and corporate identity design experience.

"We created DesignlnOne to meet the specific needs of the leisure and entertainment market," Cascio said. "We start each project with an in-depth marketing/design analysis so we can pinpoint our client's needs, develop effective identity programs and create appropriate marketing tools to launch the development."

Burns' design to open in summer

MEDINA, Ohio — The golf course at Fox Meadow Golf & Country Club is scheduled to be completely open by mid-October, with play expected to commence in the summer of 1995.

The course, part of a 563-acre upscale, real estate development, was designed by Burns Golf Design, of Fernandina Beach, Fla., and built by Central Florida Turf, of Avon Park.

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Q&A: Kidwell
Continued from page 35
JK: I started when I was seven. I won the state high school championship in Ohio with a borrowed set of ladies clubs. I couldn't afford a set of sticks until I was about 18 or 19. Things were tough then.

GCN: What were your early days like at Beacon Light in the late 1930s?
JK: Golf was so cheap then. Brookside had a joining fee of $100. You could play almost any day like at Beacon Light in the late 1930s.

GCN: Who are some of the golf architects you most admire?
JK: I'd have to say Mike Hurdzan has come further in a shorter period of time than I ever dreamed of. This boy has his nose in books, articles, and he writes. I don't know how he has time to sleep. Jack Snyder is wonderful. Rees Jones is another. I have to include Bobby Jones, Papa Jones, he's done more for golf... I hate to name fellas like this because I know so many of them and they are so gifted and talented. I've learned so much from every one of them. I'd have to throw in Mr. Nicklaus too, although I don't know how much designing he does, and don't let me forget Pete Dye [whom Kidwell competed against in high school golf competitions].

GCN: What sort of work did you do in your first years at Beacon Light?
JK: When I got my feet on the ground I started rebuilding greens and tees — and that was really my apprenticeship.

GCN: Is Beacon Light still operating as a golf course?
JK: No. I sold Beacon Light in 1970 as a real estate developer. It's a housing development.

GCN: As far as courses you've designed, what are your personal favorites?
JK: I have to say that Hueston Woods State Park might be the best 18-hole public golf course in the United States. It was $250,000 to build in 1968. We did one here in Columbus, what you'd call a blue-collar country club, and we built that for $481,000—that's Hickory Hills C.C. I think we did three nice ones in Cincinnati: the Vineyards GC, Beckett Ridge GC and Blue Ash GC.

GCN: Did you ever consider working beyond Ohio?
JK: My lifestyle was such that I liked to be home at night. Dr. Mike [Hurdzan] has logged 50 million miles since he bought me out. I just couldn't endorse that kind of life.

GCN: What do you think of design in the last 10 to 20 years?
JK: I think the average player that goes out to lay down $75 to $150 to play some of these courses needs a potato sack to carry the balls around he's going to need. I'm not so sure that it's possible to design a golf course that everybody can play. For a while there it seemed to be a contest to see who could build the hardest golf course. Most of the $6, $8, $10, $12 million course they are building.

I look out at the first fairway and it's 100 feet across and, to me, that takes away the skill of hitting the driver that someone's been working on for years. Does it take the $15 million to make the player? Or can you learn to play — and play well — on a golf course that isn't in that class?

GCN: Do you feel your courses have stood up well over time for playability and maintenance?
JK: Most of my work was what you might now call Mom and Pop golf courses: low budgets and a necessity to make money... I designed courses around Columbus that are still getting 40,000 rounds a year.

GCN: Do you see any problems with golf course design and building today?
JK: I think the golfing industry has been a little bit asleep at catching the new golfer. The New & Old Golf Fever contends that golf is played by 8 to 10 percent of the population. That means there are 90 to 92 percent that don't play golf and I have to ask why. Some of the most heavily played and successful courses we've done are Shamrock, which is what I called an improved executive. We did an 18-hole executive at Blacklick Woods and it's outdrawn the big course there consistently. I don't think we've provided enough for the beginner. But you don't build reputations building small golf courses.

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Mississippi coast potential to be tapped by casino-golf developers

Continued from page 35

County development and tourism commissions last summer hired Wizeman's Myrtle Beach, S.C.-based company, International Resort & Golf Resources, to market the area—dubbed the Mississippi Gulf Coast—to potential course developers.

Wizeman's main duties, Olivier said, were to identify specific sites that landowners would be willing to donate to golf course developers and to attract developers interested in building courses that would make the area a premier golf destination.

Wizeman developed a manual providing an overview of the Gulfport market, the casino gaming industry, the existing golf course supply and information on available sites. He then sent the report to a select list of 35 prospects. Among other things, the report notes that:

- Approximately 300,000 people reside within a 30-mile radius of Harrison County. Most live near the 26-mile stretch of man-made beachfront bordering the municipalities of Biloxi, Gulfport, Long Beach, Pass Christian and D'Iberville.
- The area is accessible from Interstate 10, which traverses Harrison County. The area also boasts the Gulfport/Biloxi International Airport, a multi-million-dollar facility serviced by four major regional and national carriers.
- Fourteen casinos have opened with another 17 projects pending. The first opened in 1992. Existing facilities accommodate about 3.75 million visitors annually. A new 5,000-room hotel is planned. Another 6,030 hotel rooms are expected to open in 1994-95, bringing the total room count to about 10,000.
- The Mississippi Golf Coast has 16 existing courses, including Broadwater Beach Sea Course (the state's oldest layout) and Mark McCumber-designed Windance Country Club (site of the Nike Tour's Mississippi Gulf Coast Classic).

"Other areas may have casinos, golf courses or beaches, but few have quality sites for all three," the Mississippi Golf Coast manual boasts.

"We realized we could use gaming as a way to attract other recreational activities. We get 60,000 people a day through the casinos who want to do other things while they are here." The Mississippi Golf Coast manual also contains architectural drawings and aerial photographs of the six primary sites.

The landowners have agreed to donate 150 acres to golf course developers. The landowners would make their money by developing surrounding acreage.

The only land cost for potential developers would be a 5-percent broker's commission (which averages about $20,000) on the land's appraised value. Twenty-five sites have been identified for potential development, Olivier said. The six appearing in the manual have the fewest environmental obstacles and are located in optimum locations for the casino hotels that would funnel much of the business to the new layouts.

"We've met with Department of Environmental Quality staff and reviewed the sites with them," the development agency official said. "Developers will still need to go through permitting, but we'll assist in the process.

"We're trying to be pro-active on this." The state and county, Olivier added, are offering various incentives such as property tax exemptions, sales tax exemptions on course construction materials and corporate income tax discounts for facilities employing more than 20 people.

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For good or bad, magazine ratings have affected course design

Continued from page 1

opers — to outdo one another. This has led to more costly golf courses, both for the developer and the golfer, as well as more circus-style playing fields.

"I think that's true," said course superintendent and Golf Digest panelist Terry Buchen of Galena, Ohio. "In the '80s they were doing a lot more for show, or to attract members than anything else. Then they all got in a bandwagon to compete... and they got into one-upmanship."

Saying that ratings, and sometimes the demands to create "memorability" of a golf course have had an effect, course architect Jeffrey Brauer of Arlington, Texas, likened this pressure to a gauntlet in the Stanley Cup. "He can't say, ' Gee, I'm in the Stanley Cup!'" Brauer said. "He'd clutch up. He's got to play it like it's a regular game. When you get into the design of a golf course you have to be more concerned for the needs of that course than some Golf Digest poll."

"A lot of architects have said that if they build something that's subtle, some of the raters overlook it," Doak said, "and to some extent, I think that's true. Not all the raters know what they're looking at. I think I'm a good judge of picking out stuff, but on a really good course, there are some things you don't see until the second time, or the fifth time."

When Golf Digest coined the phrase "memorability of golf holes," Doak said, architects started trying to make every hole "really different from anything else, and that tends to lead to gimmickiness. I want a variety of holes and different shots, but I don't want them to jazz up the landscape on every hole to make it look like some other golf course on some other planet."

Whitten agrees "gimmickiness" has resulted from the Golf Digest poll. The survey began in 1969 as the 100 Greatest Golf Courses, and ran every second year. In the 1980s the magazine added a survey on the 1000 Greatest New Courses. The surveys, and perhaps the popular Whitten-Geoffrey Cornish book, "The Architects of Golf," gave more raters a chance to rate golf architecture. "There was a bigger explosion of 'designer labels'," Whitten said. "[Jack] Nicklaus, [Ben] Crenshaw, [Tom] Fazio were making headlines every week, it seemed. There was a good deal of attention-grabbing architecture designed. I think, to capture the fancy of panelists, of the public, of magazines. Owners told me their goal was to make the cover of Golf Digest..."

"Fazio and Nicklaus will tell you the clients will expect this of them. And if guys of their stature can't resist, how can the young guys?"

Yet, the tide may have turned from the bombastic back toward the natural look.

"The razzmatazz age is over," Buchen declared. "So many courses have chocolate mounds, etc., and it isn't so great."

"Architects are less and less inclined to do these real visually over-dramatic statements."

Whitten agreed, paraphrasing Ben Crenshaw: "They're now speaking in whispers rather than shouting at us."

"Most of us were enamored by the '80s, but it almost got too excessive," Whitten said. "We'd eaten too much chocolate. It got gimmicky. Now we think six waterfalls is a gimmick. I see it as a big change."

"Now, we're getting back to the basics — the 'less is more' concept," Buchen said. "It's minimalist design. I hope they stay that way."

Golf Magazine's Doak takes exception with some of the aspects of golf course design that Golf Digest panelists evaluate in their voting. "Golf Magazine has no definition of what a great golf course is, whereas Golf Digest has a very rigid definition and gives points for each thing," he said, eluding to GD's judging criteria of shot values, resistance to scoring, playability, design balance, memorability, esthetics and conditioning.

But Whitten responded: "[Golf Magazine's] Editor and Chief George] Peper said we're not going to give panelists a predetermined definition of greatness. We're not so arrogant. But you have to have some standards by which to judge. Whether it's simply looking at their [Golf Magazine's] list, or categories that we use, you have to have something. I've seen Tom's ballot. There's nothing wrong with the way he does it. It's A,B,C, D or F. It's fine as far as it goes. We just try to break it down more. It gives me more to write about. I can analyze and tell people..."

Continued on next page

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Conflict accusations fly, but raters duck

By MARK LESLIE

Conflict of interest. Bought favors. The accusations fly each year when golf magazine polls on the best courses are released. But they are quickly debunked by the accused.

Ron Whitten, a former district attorney who runs the Golf Digest surveys, doesn’t even vote himself, he says, and has dumped several of his panelists over the years for accepting gratuities or “acted contrary to our code of conduct.”

Perhaps the harshest criticisms have been directed at Tom Doak, a golf course architect who operates the Golf Magazine poll and whose High Pointe Golf Course in Michigan has been ranked in the magazine’s Top 100 listing.

“Some people think there was tremendous impropriety because High Pointe made the list,” Doak said. “I sent in my resignation to Golf Magazine because everyone would call it conflict of interest. But they’ve asked me to stay because they think I run a fair game... So, at least for the next time, I’m staying.”

High Pointe may have received more credit than it deserves because some of the panelists know me and came up to see it, and because they perhaps tended to like it a little more,” he said. “But it got the vote. And all golf course architects benefit from that. You can’t tell me Jack Nicklaus’ courses, or Tom Fazio’s don’t get some more credit because of their name.”

Doak said he has become less and less involved with Golf Magazine over the years since

More importantly, no other controlled-release fertilizer can perform like Poly-S. Which is why, in a little more than a year since the introduction of Scotts® Poly-S technology, Poly-S fertilizers are being applied successfully by over 5,000 turfgrass managers in the U.S., Canada and worldwide — the fastest selling fertilizer in history.

No one else can make a controlled-release fertilizer like Poly-S. And now we have a patent to prove it. More importantly, no other controlled-release fertilizer can perform like Poly-S. Which is why, in a little more than a year since the introduction of Scotts® Poly-S technology, Poly-S fertilizers are being applied successfully by over 5,000 turfgrass managers in the U.S., Canada and worldwide — the fastest selling fertilizer in history.

And the reason Poly-S is so popular is performance, with consistent nutrient release over a longer period of time. Because of the improved nitrogen efficiency, you get more value from the fertilizer you apply, with an overall improvement in turf quality.

And because Poly-S offers the capability to choose specific release rates appropriate to different applications, it has proven its effectiveness under a variety of agronomic conditions in every region of the country.

Of course, Poly-S fertilizers also come with a Scott Tech Rep, agronomically trained to help you develop a total turfgrass program.
Superintendents moved to anger over "conditioning" criteria

By MARK LESLIE

The debate over whether to rate a course's conditioning when ranking it, has stirred superintendents to anger and panelists to don flak jackets ever since Golf Digest began its rankings with conditioning as one of several criteria in 1985.

Superintendents complain course raters don't take into account special and dynamic circumstances that confront them. "Soil conditions, drainage topography, amount of play, ownership directives, budgetary restraints and weather are only a few of the many factors that are considered when it comes to grooming a course. No two courses are the same even if they're next door to each other," said Richard Staugaard, superintendant at Colonial Charters Golf Club in Longs, S.C., whose condition was criticized in one poll. "Keeping a course in top-notch shape requires routine maintenance practices such as aerifying, top dressing and verticutting."

"If anything, I've tried to de-emphasize conditioning in the Golf Magazine poll," said Bud Edelstein, Golf Digest's survey coordinator, architect Tom Doak. "That's why we have 60 or 70 panelists. Some haven't even seen the course for 10 years. They can't be voting on what kind of condition it is in today. They may have heard about its condition, but using that [secondhand information] is wrong."

Ron Whitten, who directs the various Golf Digest polls, defends his inclusion of conditioning. That evaluation is removed from calculations two years after a panelist last sees the facility, he said, "so a course is not penalized if it has changed conditioning. That is one area we think we need to keep more up-to-date on."

Shot values, he said, "are far and away the most important factor. So we double that number. Everything else is equal value, equal weight. Some think that should not be true of conditioning. But you can have a great course and let people play it if it is in condition. And there is some great conditioning on ordinary designs that elevate the courses. It shakes out pretty well."

Golf Digest's 700 panelists are told to rank courses — from one to 10 — on shot values, resistance to scoring, playability, design balance, memorability, aesthetics and conditioning.

Their findings are published in the publication's survey coordinator, Whitten's, that is: "What you are looking at are poor maintenance practices — a lack of irrigation — or, more commonly, too much irrigation — thatchy greens, infestations of poa annua, fairways that are patchy, tees that are beat up, a lot of divots not repaired or filled."

He said a number of panelists will explain in their evaluations why a course was not in good shape — pointing to drought or flood, for instance.

"We do not punish for those cases, but we do hold a course accountable for poor maintenance practices," Whitten said. "Harbour Town [Golf Links on Hilton Head Island, S.C.] got no votes because it was not in good condition. It had problems with irrigation and it was in poor shape."

Continued from previous page

Conflict charged

Continued from previous page

"I know a lot of the panelists. Most are sincere in their efforts. They are golf professionals, superintendents, talented amateurs, managers — and they take what they do for us seriously even though they are not compensated for it. They do not get absolutely no glory because we don't even print their names any longer."

There were clubs showing them with invitations, videotapes, etc."

"Saying that he gets letters from clubs "all the time," Whitten added: "That they're doing anything wrong. No one on paper has offered an illegal inducement. But they do want 30 panelists to visit their clubs so they can get qualified."

KEN THOMPSON
STONE HARBOR G.C.
NEW JERSEY

GOOD GRIEF...
ANOTHER WETTING AGENT!

The golf course is a Muirhead design. Millions of dollars were spent moving sand in flat South Jersey to create a spectacular and challenging golf course (The 17th tee is one of the highest points in Cape May County). Hot, dry, sunny conditions on our sand greens, tees & fairways planted to Penn Cross / Penn Links needed a wetting agent for survival... and don't think wetting agents are all the same. We've tried most making them extremely hydrophobic. We have used Surf-Side in our 2000 gal FERTIGATION TANK and meter 450 gals of mix into our irrigation line per week. The Surfs-Side mix is applied to fairways every 3 weeks at the rate of 3-oz/M. Lastly, we put 10 gals Surf-Side in 1 gal water. No one on paper has offered an illegal inducement. But they do want 30 panelists to visit their clubs so they can get qualified."

GOLF COURSE NEWS
The conditioning judgment call

Continued from previous page

in worse and worse shape for several years and began to drop. Pebble Beach [Golf Links in California] began to slide when the owners pushed a lot of money into maintenance, and two years ago it went back up to Number 2.

Despite its "craziness," Cypress Point [in Pebble Beach, Calif.] gets good numbers in conditioning "because people understand the nature of that beast," Whitten said. "We're concerned about the areas you are supposed to play. We don't care if rough is dry and brown."

Referring to Golf Digest's article "Places To Play 1994-95," Colonial Charter's Staughton said to the magazine's president: "To have someone call my golf course 'a dog track' is obviously taken as a slap in the face. My staff is taken aback, upset, and disgusted by the comments. Golf Digest has damaged my integrity and reputation...."

In its brief five-year history Colonial Charters has hosted the Myrtle Beach Open, Myrtle Beach Invitational and Carolinas Open Championship once each; Carolinas Senior Championship three times; and Carolinas Junior/Senior Championship and NCAA Big South Conference Championship four times each. "I hardly think 'a dog track' would be allowed to host the above tournaments," Staughton said.

Whitten said the one thing that concerns him is equating green speed with green condition. "A lot of our panelists think if a green Stimps at 12 that's great. A lot of our panelists think if a course's maintenance budget is taken into account, and tries to talk to the superintendent and play the course with him. "He knows more about the course than anyone. I pick his brain about maintenance, membership and design objectives."

Yet, for all the dispute over rating a course's condition, architect Jeff Brauer of GolfScapes in Arlington, Texas, said: "The truth of it is, the average panelist would be subconsciously including it somewhere... Maintenance is important. But, on the other hand, when I played Royal Melbourne a year ago it wasn't in great condition, but I was able to see its qualities of greatness. You mentally factor in the [natural] conditioning of courses in Scotland or Australia.

Now Poly-S Performance Comes In Two Unbeatable Sizes.

The traditional formulation of Scotts' exclusive Poly-S Technology has proved its effectiveness on over 5,000 golf courses in the U.S., Canada and worldwide. And now, for more demanding, fine turf applications, Poly-S Technology is also available in smaller particles for use on all turfgrasses, including low-cut fairways and tees.

The smaller particle Poly-S fertilizers provide the same extended nutrient release and improved nitrogen efficiency that has made Poly-S the fastest selling fertilizer in history. And they are available in a variety of formulations to meet different application needs.

High K Turf Fertilizer provides a high level of available potassium to enhance the hardiness of the turf — in addition to initial green-up and extended residual.

Nitrogen/Potassium Turf Fertilizer offers a balance of nitrogen and potassium to strengthen the turf while providing quick initial green-up (without surge growth), sustained growth, and extended residual for more predictable long-term feeding.

Turf Fertilizer provides more initial green-up while supplying maintenance levels of readily available phosphorus and potassium.

Turf Nitrogen offers extended nutrient release for up to 10 weeks, while supplying sufficient sulfur to help correct deficiencies and maintain adequate soil levels.

Turf Fertilizer Plus Iron includes sufficient iron in plant-available form to correct and prevent deficiencies.

The longest residual currently available from any Poly-S fertilizer — up to 12 weeks.

Of course, Poly-S fertilizers also come with a Scott Tech Rep, an agronomically trained professional who is ready to help you develop a total turfgrass program.

For more information on Poly-S fertilizers, contact your Scott Tech Rep. Call 1-800-543-0006 or fax 513-644-7679.
Arvida debuts Palmer’s Twin Creeks

ALLEN, Texas — Area golf enthusiasts will have a new 18-hole championship course to play late next spring when Twin Creeks Golf Course, designed by Arnold Palmer, debuts in Arvida’s 2,700-acre Twin Creeks master-planned community.

Construction of the upscale, daily-fee course has proceeded as scheduled, with the planting of bentgrass greens and Bermuda fairways, tees and roughs.

Cart paths and five bridges have been added, after completing the construction and shaping stages of the 7,000-yard, par-72 course.

"Today’s biggest trend in the golf industry indicates that players are more likely to be attracted to a challenging and enjoyable course which offers a pay-as-you-play format in a private-club atmosphere," said head pro Emory Pater.

“At Twin Creeks, we are proud to offer the type of course,”

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Casper-Nash fashion track for Sun City

PHOENIX, Ariz. — Construction of a new 18-hole golf course is underway at Del Webb’s Sun city development in Phoenix. Call... 

MDP involved in Millwood project

SPRINGFIELD, Mo. — The Martin Design Partnership Ltd. (MDP) is providing golf course architectural and master planning services for the 18-hole semi-private golf course and residential community here at the Millwood Golf and Racquet Club.

Set along the bluffs, waterfalls and old growth woodlands of Hunt Branch Creek in southeast Springfield, Millwood is a 6,500-yard par-71 layout with dramatic views.

The course, part of a proposed 2,500-acre community, is scheduled to open in late summer. MDP is also handling planning and design for an additional nine holes at Carillon Golf Club in Plainfield, III. which is now known as The Links at Carillon. The new nine will be combined with the “South Course” of the original layout to create a 7,000-yard layout.

Early Order discounts available. Call for details.
GOLF CORP ACQUIRES COOKS CREEK
ASHVILLE, Ohio — Cooks Creek Golf Club has been acquired by an affiliate of the Dallas-based Club Corporation International (ClubCorp) following a 45-day term management consultant for the course. Cooks Creek, designed by Michael Hurdzan and PGA professional John Cook, is currently a nine-hole course but will expand to an 18-hole layout by the summer of 1995. The club is 20 miles south of Columbus.

BRASSIE STOCK AVAILABLE ON NASDAQ
ST. LOUIS, Mo. — Brassie Golf Corp.'s common stock has begun trading in the NASDAQ SmallCap Market under the symbol “PUTT.” The company's common stock will continue to trade on the Toronto Stock Exchange under the symbol “TEE.” Brassie and Hail Irish Golf Services Inc. (a wholly-owned subsidiary) have been involved since 1988 in buying, designing, constructing, operating and managing golf courses, mostly in the daily-fee market.

GLEN ELLEN CHANGES HANDS
BREWSTER, Mass. — Corcoran Jennison Cos. of Braintree recently purchased Glen Ellen Country Club from Lincoln Savings Bank of New York. Corcoran Jennison has operated the 350-acre property for Lincoln Savings since 1991 and completed extensive course improvements.

SCGA ELECTS NEW PRESIDENT
UNIVERSAL CITY, Calif. — Bill Kincannon of Santa Barbara has been elected the 70th president of the Southern California Golf Association (SCGA). Kincannon, 61, is a 14-year veteran of the SCGA and a member at La Cumbre Country Club and Santa Ana Country Club. The SCGA recently bought its first golf course.

WHISPERING PALMS RENOVATED
DEL MAR, Calif. — The Cobblestone Golf Group is in the midst of a $6 million renovation at Whispering Palms Lodge and Country Club in San Diego. Cobblestone President Bob Husband said there will be renovations to the lodge, club house and golf course. Husband said he plans to renovate the existing 27 holes. Plans call for an upgraded irrigation system.

MARKETING IDEA OF THE MONTH
GREENVILLE, S.C. — Remember a jubilant Lee Trevino jumping into the arms of caddie Herman Mitchell after nailing an ace on the 13th hole of the Colonial Country Club? The golfer's face would go ballistic over an ace, how do you suppose a once-a-week duffer would react if he were to stroke a hole-in-one, and the event was captured on tape and he won $50,000? Pretty much the same reaction, wouldn't you think? Wouldn't it make that fortunate 20-handicapper want to continue to play more golf and win more money? And, more important, wouldn't that mean more rounds and additional pro shop sales for the course owner? That's what developers of Tee One Up are pitching to public course operators. "We’ve signed up 30 courses in eight states since May,” said Marketing Director Peter Elliman. “We’re hoping to be at 100 courses in 50 states by the end of next year [1995]. Ultimately we’d like to think we could penetrate 5 percent of the market.” Tee One Up is a video hole-in-one system installed, at no charge, on a par 3 hole at any public golf course. It consists of four small video cameras that record the golfer’s tee shot, the green and a close-up of the hole. The system is activated by depositing a token into a 3-foot-high console housing the recording and communication equipment.

CMAA conference set for late January
NEW ORLEANS — The Club Managers Association of America will hold its Annual Conference and Exposition here from Jan. 30-Feb. 2. The two-day exposition will feature products displayed at a record 450 exhibit booths. The conference lists more than 80 seminars, workshops, clinics, panels and roundtables. Full-day pre- and post-conference workshops will also be available on a variety of topics. For more information contact CMAA at 703-739-9500.
Melrose/ClubCorp Co. acquires Aspen Glen site
Colorado golf community is the first joint venture for the newly formed partnership

CARBONDALE, Colo. — A subsidiary of Club Corporation International and The Melrose Company has purchased Aspen Glen, a private country club community approximately 30 miles from the resort town of Aspen. Aspen Glen currently is under development and is the first joint acquisition for Dallas-based Club Corporation and Hilton Head, S.C.-based Melrose Co.

In January 1994, the two companies formed a new national real estate company — unofficially named “Melrose/ClubCorp Company” — to pursue national and international golf-related real estate opportunities. Aspen Glen Golf Co. — a Colorado limited partnership which will own the community — is the newly formed and wholly owned subsidiary of ClubCorp and The Melrose Company. Aspen Glen will offer its members golf, private Gold Medal fly fishing, horseback riding, swimming, tennis and a clubhouse with dining and health and spa facilities. The Aspen Glen project is 938 acres, with 500 acres of undeveloped land including 180 acres for the golf course and 320 acres of natural wildlife parks. Robert T. Kolb, The Melrose Company’s president, said the goal is to have all 18 holes of the Tom Weiskopf/Jay Morrish-designed championship course playable by 1996. Construction on the front nine should start this spring. Aspen Glen has 100 homesites, many with river and course frontage. Individual home construction could begin this summer.

For Most Lenders, Golf Financing Is Alien Turf.

Talking to most lenders about golf financing is like talking to someone from a different planet.

Textron Financial Corporation on the other hand, knows the golf course industry, and has funded over $200 million in first mortgage loans on golf courses throughout the U.S. Expertise in golf course financing enables us to meet specialized needs - that may include refinancing or renovation of your existing courses, acquisition loans, providing takeout commitments for newly built or to-be-built courses, or even financing quality equipment, such as E-Z-GO golf cars, Jacobsen turf equipment, or Rainbird computerized irrigation systems. We offer genuine assistance in helping you obtain the proper financing. And, we have a variety of financial products, at extremely competitive rates.

If you’re looking for down to earth recommendations, contact the nation’s largest golf course financing lender. It’s no wonder that for so many TFC remains... The First Choice.
Tee One Up
Continued from page 49

After depositing the token, which is obtained in the pro shop, the golfer has 45 seconds to hit his shot. If he makes a hole in one, he informs the starter at the end of his round. The Tee One Up Command Center, in California, which is linked via satellite to the course, is notified and reviews the tape to confirm the ace. If everything checks out, the golfer receives a video tape of his shot and an award check is issued within seven days.

"It's working very well," said Brandt Howard, assistant pro at Stoney Point Golf Club in Greenwood, S.C., one of the first courses to install the system. "No one has won, yet. A woman told us she had a hole-in-one, but forgot to put her token in. I think it's helped increase play.

Where does the prize money come from? Courses charge players a minimum of $1 per round for the Tee One Up system. The extra money is forwarded to the Greenville, S.C.-based firm, which uses it to pay the prize money and promote the program.

Ten percent of all Tee One Up revenues are put back into local and national advertising. One of the most effective promotions is providing the videotape of a winning golfer's shot to the local television stations, Elliman said.

The fee can be noted as a surcharge. But typically, courses simply add it into their regular greens or cart fee early in the season. The $1 per round charge entitles a golfer to a $2,500 prize for an ace. The course can up the prize money in $2,500 increments for every extra $1 paid Tee One Up, e.g. $2 per round for a $5,000 prize, $3 for $7,500.

"A course could offer a $25,000 prize during a tournament by sending us $10 for every round played during that event," Elliman said.

Starting in 1995, all units will be tied together at the Command Center. By reviewing computer-generated information, the company can tell exactly when a hole-in-one is scored.

That will allow Tee One Up to add another prize, an accumulator, as Elliman called it. Basically, Tee One Up will set aside an as-yet-undetermined amount for every round played. When a golfer scores an ace, in addition to the $2,500 prize, he will receive whatever has collected in the accumulator pot since the last ace was scored.

"Depending on when the last one occurred, the extra money could be anywhere from 50 cents to $50,000," said Elliman, who also anticipates some sort of year-end, closest-to-the-pin prize. "We want winners. We encourage the course to install the system on its easiest par-3.

"We want winners. We encourage the course to install the system on its easiest par-3. At Stoney Point they have it on a hole that plays 95 yards from the ladies tee and 120 yards from the men's tee."

In addition to increasing rounds, Elliman said, the Tee One Up system tracks all rounds played, offering owners an additional control measure to verify that all greens fees are being collected and deposited in the cash register. Tee One Up can be reached at 803-239-0141.

Marriott promotes Camelback pair

ORLANDO, Fla. — Marriott Golf has named Tony Austin and Steve Hupe as directors of golf at Marriott's Camelback Inn Resort, Spa & Golf Club and Marriott's Orlando World Center Resort, respectively.

Austin, a native of Annapolis, Md., has been with Marriott since 1979 as an assistant golf professional. His most recent job was as director of golf at Orlando World Center, a job he started in 1986.

Hupe, a native of Dayton, Ohio, joined Marriott in 1980 as an assistant golf professional and has worked as an associate golf pro and director of golf at Marriott facilities in Lexington, Ky., (Griffin Gate Resort) and in Dallas/Fort Worth (Fossil Creek Golf Club).

The time-tested, performance-proven, perfect-finish bunker rake - often copied, never matched.

Super Rake... with the best reputation in the business... for high performance and tough durability... ultra quiet operation... minimum maintenance... operator safety features... and, most of all, the finest, smoothest, most playable finish. Super Rake... no other comes close.

THE PREFERRED CONDITIONING SYSTEM

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Mundus Institute
Continued from page 1

budgets, ordering and the importance of course conditioning," Webb said. Mundus wants its students thoroughly grounded in all aspects of golf course operations since it sees many of its pupils eventually rising to general manager positions. "We don't expect that right away. There are generally 40 to 45 positions at a golf course. Most students start out at an entry-level or mid-management position and work their way up. Some end up as general managers. Others find something they like better along the way," Webb said.

Mundus requires that students have a minimum of a high school diploma or a certificate of equivalency. But the golf management program attracts many older students — the average age is 35 — starting second or third careers. Many already have associate's bachelor's or advanced degrees.

Tom Roberts, head superintendent at the Arthur Hills Golf Course in Mexico, Mo., was 34 when he entered the program in 1992. He had extensive irrigation, pesticide application and agricultural experience prior to returning to school. "I've had a lot of success since leaving the program," said Roberts, who was hired as head superintendent at Halesville (Ala.) Country Club directly out of Mundus. "The program showed me how to market myself and gave me a basic knowledge of the different areas of course management.

Added Webb: "We don't require Scholastic Aptitude Tests or have students take pre-requisite courses, since many have already gone that route. "We have a few students in their teens. But many are in their thirties, forties, fifties and even sixties. They are looking for a lifetime activity in something they enjoy."

Classes are held Monday through Friday from 7:45 a.m. to 1:45 p.m. and generally consist of 20 to 25 students. In club operations would likely analyze customer service, merchandising and other pro shop considerations.

Tuition is $8,950 and includes everything except housing, Webb said. Mundus is accredited, making students eligible for many financial aid programs and veterans benefits.

For more information, contact the Mundus Institute at 800-835-5727 or write to 4745 N. 7th St., Phoenix, AZ 85014.

American Golf lends California schools a fund-raising hand

BY PETER BLAIS

LONG BEACH, Calif. — Helping improve local schools is the goal of a fundraising campaign developed by American Golf Corp. to raise money for the Long Beach Unified School District Parent Teacher Association.

AGC has offered to rebate $15 per person to the PTA for each group of five or more members enrolling in the company's $65 beginning golf schools. AGC's four Long Beach facilities include El Dorado Park Golf Course, Heartwell Golf Course, Recreation Park 18 Golf Course and Skyniks Golf Course.

"The company wants to be a part of the communities where we do business," said AGC Regional Vice President Tom Frost.

"We are pleased to provide educational funding for local schools while at the same time introducing more people to the game of golf."

The golf schools include six hours of professional instruction and all equipment. The six hours can be broken down into six 1-hour classes or four 1 1/2-hour sessions.

With the rebate, AGC will roughly break even on the program, Frost said. "We haven't gotten a lot of response, yet," the AGC executive said shortly after the program was introduced. "The PTA groups meet once a month. We expect to hear more after their next meeting."

Frost played a large part in developing the program. "I went to a PTA meeting one evening. One of the major topics was the difficulty of finding revenue sources for things like elementary school field trips and other activities. This seemed to be a way AGC could help the schools and help develop more golfers."

If the program catches on, AGC may try it in other areas of the country, Frost said.

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At John Deere Credit, we understand the obstacles you face every day. That's why we offer a variety of equipment-related finance plans with terms to match your needs. Whether you need a lease for that new
New product pinpoints golf demand

MIDLOTHIAN, Va. - A new product that claims to quantify golf demand and potential for specific market areas down to the zip code level is now being marketed by Forecast Golf Group, Inc.

The Golf Course Sales Potential Report is aimed at developers, investors and management companies.

Forecast has been providing similar sales potential data for range developers since 1990 and has expanded its methodology to the course segment of the industry to identify greens fee sales potential for public golf courses. Forecast says it maintains an ongoing in-house database that can generate reports within days of a request.

"Many companies rely solely upon basic demographic information," said Forecast President James Murphy. "This information is essential, but it is only one piece of the puzzle. What makes Forecast unique is our ability to define golfer demand, in terms of dollar sales potential, for every zip code in the U.S."

For information contact Forecast at 804-379-5760.

Golf Communities

Continued from page 1

--scale daily-fee courses being built. Give me 500 members with $200 monthly dues, and I can make some money. No one else is chasing that market. "If you've got a good course you can basically trap your customers. They build a $150,000 to $1 million home bordering the course, spend $5,000 to $25,000 on a course initiation fee and you've got them. That's my focus."

Stanchina, a PGA professional

piece of equipment, a highly specialized installment finance program to open a new course, or revolving credit for parts and service, John Deere Credit is ready to help. Finding out details is easy. It only takes one call to your John Deere distributor. Or phone 1-800-468-8517, ext. 891.

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since 1974, started his real estate career in 1977 as assistant manager of Michigan golf community. A few years later he formed his own company, U.S. Golf Services and Development, which acquired and operated 15 golf properties from 1983 to 1993.

The firm's purpose was to acquire, construct and operate country club communities in prime golf destinations throughout the United States.

Shortly thereafter, Golf Communities purchased Cutter Sound Golf & Yacht Club in Marin County. In addition to an 18-hole course, Cutter Sound includes 96 boat slips and 200 homesites. Extensive course improvements and a new waterfront yacht club are planned.

"Our first priority with any project is course condition," Stanchina said. "I have two brothers who are superintendents. We're more concerned about the turf than the presentation of the filet mignon in the clubhouse."

The company is also developing Montivide Country Club in Orlando, a 400-lot subdivision with a Stanchina-designed course scheduled to open next fall; operates Pleasant Hills Golf Club in Mt. Pleasant, Mich., is under contract to acquire a 900-acre project in Tennessee; and is pursuing developments in Naples, Fla., Atlanta, Arizona and the Carolinas.

"Once we get through all that, we'll tighten our belts a little," Stanchina said. In evaluating potential acquisitions, Stanchina said Golf Communities looks for clubs with roughly 250 members where membership and developer goals may conflict; a quality, modern course with large greens, tee box and landing areas; at least 200 surrounding, undeveloped homesites; and a minimum price of $5 million.

After purchasing a golf property, Stanchina turns it over to a management team whose members have different responsibilities but equal authority. A general manager oversees the entire operation with a superintendent, food and beverage manager, golf pro and business manager contributing their expertise.
We want to hear from you....

In an effort to track the growth of golf course management companies, we are requesting that any management firm operating five or more courses contact us by Jan. 15. We want to know the company's name, address, telephone and number of courses it manages. We will publish the information in the February issue of Golf Course News and will update the list every three months, noting the number and names of any new courses added during the previous quarter. Management companies currently operate less than 5 percent of the more than 13,000 U.S. courses. But as anyone who follows the industry knows, that number is growing as management firms vigorously compete against one another to bring privately and municipally owned facilities under their corporate wings.

If you want your management company to be included in our quarterly listing, please telephone Peter Blais, Associate Editor, at 207-846-0600 or write to Golf Course News, PO Box 997, Yarmouth, ME 04096. Thank you for your cooperation.

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Phillips comment

Continued from page 10

Dodson in his Selkirk, N.Y. office. Golf's greatest ally at Audubon keeps a busy schedule, speaking at conferences from coast to coast and meeting with facilities interested in joining the wildly successful Audubon Sanctuary Program, his brainchild, which now boasts more than 1,200 member courses.

For the sake of perspective, however, readers should remember the Sanctuary Program is sanctioned by N.Y. Audubon, not the national. In national, national and some its more influential chapters — Massachusetts' foremost among them — aren't exactly thrilled with Dodson's overt partnering with golf. Apparently, agriculture and the pesticides applied in that arena are fine — golf is not.

Don't expect that to change, either. Berle — who was keen on transforming the staid organization into a broad-based, environmental player on the national scene — was about as progressive as we could hope an Audubon president to be. Unfortunately, the man rumored to succeed Berle is Dr. Gerhard Bertrand, head of the Massachusetts Society, famous for sticking to bird watching and bird watching only.

In other words, while Dodson's Sanctuary program is an unqualified success and a significant boost to golf's larger public image, we're a long way from seeing any golf courses on the next Audubon Society calendar. Besides, if in the course of back into its shell, Dodson would be more effective, for golf, just where he is.

The following notice was received at the GCN offices just before deadline: Keith Dewar — "an all-time classic person," according to Wadsworth Golf Construction Co. President Paul Eldredge — died in a Dallas hospital in mid-December. Dewar, 73, built many golf courses as owner of American Golf before retiring in 1993. A close friend of Desmond Muirhead and Jack Nicklaus, he built Muirfield Village and Glen Abbey in Ontario as well as most of Nicklaus' early designs.

A transplanted Briton, Mr. Dewar also worked extensively in the Palm Springs area. However, he will most be remembered for his flamboyant personality. "Keith was one of the great characters of all time — a legend in the golf business," said longtime friend and golf course architect Jay Morrish. "Someone ought to write his biography. Some of his friends were talking about having a wake for him. We could tell tales about Keith for 12 hours straight and never repeat a story."

Good news for those Golf Course Superintendents Association of America (GCSAA) members worried about national ratting around their recently expanded, Taj Mahaque headquarters in Lawrence, Kan. Seems the association has finally found a use for the spare wing: Tenants!

That's right. The association is renting out the third floor (old and new wing) and second floor of the new wing to NCS, an Iowa City-based telemarketing firm that plans to employ nearly 100 people in its new Lawrence location. GCSAA employs approximately 80 at its headquarters.

And this from the "It's Always Something" Department: Apparently, parking is now at a premium.

GLENN DALE, Md.— Sy Zuckerman and Evan Dockser have announced the formation of a new international golf course management company to be called Zuckerman Kronstadt Dockser Golf Services Inc.

Zuckerman, president of Zuckerman Kronstadt Inc., a leading property management company in the Washington-Baltimore area, says the new company "will bring a true owner's perspective to the industry, which has traditionally been dominated by management-only companies with no ownership experience."

Golf Course Expo Means Business

Circle your calendar now for November 9 and 10, 1995, and plan to attend Golf Course Expo, in Orlando, Florida. It's the year's most important event for superintendents, owners, managers, and developers of public-access courses—daily-fee, resort, semi-private, and municipal golf courses.

When you attend, you'll be part of the only national event that brings together the key professionals at public-access golf facilities:

• Save money by pinpointing exhibitors on the trade show floor
• Get up to speed on new products and services to give your course the competitive edge
• Participate in special show events—like Shop Talks—where you'll learn about products and services that impact your bottom line
• Solve problems by attending the multi-tracked conference program that focuses on maintenance, management and marketing, and development issues

And because it's sponsored by Golf Course News, Golf Course Expo means business for you! Call 207-846-0600 for more information.
GCSAA sponsorships continue to mount

By Hal Phillips

Lawrence, Kan. — The Golf Course Superintendent's Association of America (GCSAA) has reached an agreement with Jacobsen, E-Z-Go and Textron Financial Corp., all divisions of Textron, for a multi-year exclusive sponsorship of the association's annual banquet and show.

GCSAA President Joseph G. Bailey said the agreement marks the type of partnership established as one of the central goals in GCSAA's strategic plan for future development of member support.

Textron's banquet sponsorship is the most recent example of golf course industry firms partnering with the GCSAA organization through financial backing.

The association's trade show and conference — scheduled this year for Feb. 20-27, in San Francisco — has been the primary sponsorship target.

For example, The Toro Co. has entered a long-term agreement to sponsor the GCSAA member golf tourney; Ciba Turf and Ornamentals International will co-sponsor the International Lounge; Toro and International Seed will co-sponsor interpreting services for the show's overseas guests; and Parnell Industries/J.R. Simplot Co. will sponsor a reception following Rocky Bleier's keynote address.

However, GCSAA has also made it clear that in-house research and organization functions are fair game. Through

Continued on page 58

Putting test results to the test

By Gary Ellertson

Aquiring data on any riding mower is difficult because the recording equipment must be portable and impervious to grass, dirt and water.

During the development of the LF3810, Jacobsen used the model 2100 Field Computer System (FCS) from SoMat Corp. of Champaign, Ill. The FCS is a small, portable data acquisition system impervious to the elements, capable of handling multiple channels of data and of being downloaded to a laptop computer in the field. The system's ability to collect multiple channels of data simultaneously helped to quickly identify and solve a pressure spike concern in the prototype.

The main testing focus on this mower was determining real speed, pressure, horsepower requirements, operating temperatures, and frame stress under varying duty cycles.

In the past, data acquisition for development projects of this type was accomplished by designing a prototype with a miniature, single-channel, data-logging device. Most turf equipment testing requires multiple-channel acquisition in order to track the effects of important events throughout the various systems. Using a one-channel device made it necessary to repeat events several times, each time connecting the logger to a different sensor. This took large amounts of time and detracted from accuracy because once a swath was cut, it couldn't be repeated — and no two swaths are exactly alike.

After investigating multiple-channel data acquisition alternatives, Jacobsen found a number of portable multiple-channel data-acquisition devices but all were too large to fit on riding turf equipment. Further, they weren't rugged enough...

Continued on page 55

Public offering aids Aquagenix expansion

FT. LAUDERDALE, Fla. — Newly capitalized Aquagenix, Inc. has acquired the lake management division of Mitigation Services, Inc., an affiliated company of Jacksonville-based Environmental Services, Inc.

The sale price was approximately $250,000 in cash and notes, said Andrew P. Chesler, president of Environmental Waterway Management, an Aquagenix subsidiary.

According to terms of the contract, Aquagenix will acquire a portfolio of service contracts in a six-county area covering northern Florida and southern Georgia; assume an office warehouse lease in southern Jacksonville's Phillips Industrial Park; and purchase aquatic equipment.

Once the acquisition is completed, the new Jacksonville office of Environmental Waterway will be run by Darrell Blackall, former head of aquatic management programs for the St. Johns River Water Control District.

Aquagenix has been one of the golf course industry's busiest firms since going public earlier this year. At the initial public offering of 1.25 million shares of common stock, at $5 per share, and 1.25 redeemable warrants at $.10 per warrant.

Continued on page 54
Soil Tech Corp. goes public

FAIRFIELD, Iowa — Soil Technologies Corp., a decade-old producer and international marketer of biological-based natural products for turf and agricultural applications, is preparing to launch an initial public offering to finance expansion.

According to company Chief Executive Officer Jim Schaefer, Fairfield-based Soil Tech will offer up to 850,000 shares of common stock to raise approximately $5 million in new capital. The money will be used mostly for market-broadening programs and expanded operations support for the company's growing product line. F.J. Gerber & Co. of Sioux City is the lead underwriter and a number of additional brokers/dealers will be participating in placement of the offering.

For more information contact Steve Black of Soil Technologies Corp. at 1-800-221-7645.

Club Car reports record net sales

AUGUSTA, Ga. — Club Car, Inc. (CLBC) reported its 17th consecutive year of record net sales, totaling a 17.4 percent increase over last year's revenues. Club Car recorded net sales of $186.1 million for the fiscal year ending Sept. 25, 1994. The figure for the previous fiscal year was $158.5 million. The company also had record net sales of $41.4 million for the fourth quarter ending Sept. 25, 1994, up 29.3 percent over net revenues of $32 million for the same period last year.

Operating income for the year was $20.2 million, up 34.6 percent from the previous year's figure of $15 million. For the fourth quarter, operating income was $1.4 million, up $2.1 million over the operating loss of $0.7 million for the same period of the previous year.

Best Sand purchases mining operation

BEAVER, Ohio — Fairmount Minerals, the largest privately owned industrial sand company in the U.S. and parent firm to Best Sand Corp., has expanded its operations with the purchase of sand mining and processing facilities here in southern Ohio.

The recently acquired sand plant will operate as a division of Chardon, Ohio-based Best Sand, which supplies bunker sand to courses in the Midwest. The new facility, located approximately 20 miles north of Portsmouth, Ohio, was purchased from Schrader Sand & Gravel and brings to four the number of sand mining operations owned and operated by Fairmount Minerals. In addition to the two Ohio locations, the company has facilities in Wedron, Ill., and Bridgman, Mich.

Pennington elects board members

The Directors of Pennington Seed, Inc. elected the following corporate officers:

- Brooks Pennington, chairman of the Board; Brooks Pennington III, president and chief executive officer; Dan Pennington, senior vice president and chief financial officer; Robert Pennington, senior vice president, Grain & Farm Operations; Ronnie Stapp, senior vice president, Seed Operations; Grady Gill, senior vice president, treasurer, corporate secretary; Richard Best, senior vice president, distribution Operations; Steve Triplett, vice president, National Accounts (Senior Management Committee member).

All remaining officers currently in service were re-elected. In addition, the following new positions were created: Roger Mosshart, vice president, Pennington Seed, Inc., Louisiana Division; Kevin Smith, assistant vice president, Pennington Seed, Inc. Advertising Dept.; Carol Seabolt, assistant vice president, Pennington Seed, Inc., Management Information Services.

To stop enemy turf diseases from gaining a beachhead on your course, do what golf course superintendents have been doing for 15 years. Apply BAYLETON, Turf and Ornamental Fungicide. No other fungicide on the market has the proven history of preventing the toughest turf diseases.

Whether the adversary is summer patch, dollar spot, anthracnose or any number of other major turf diseases, BAYLETON consistently delivers unsurpassed control. And it's systemic for long residual. So after the initial application, BAYLETON has just begun to fight.

It's a good tactic to apply BAYLETON over your entire course. By applying it on your fairways,

Aquagenix

Continued from page 53

Aquagenix has reported consolidated net income of $141,353 ($0.09 per share) for the third quarter ended Sept. 30, 1994, an 18.6 percent increase over last year's third quarter net income. For the nine months ended Sept. 30, Aquagenix has reported net income of $441,153 ($0.26 per share), a 21.3 percent increase over the same period one year ago.

Fort Lauderdale-based Aquagenix has also named three new members to the firm's board of directors: Darrell M. Trent, chairman and chief executive officer of Clean Earth Technologies and former chairman and CEO of Ballistic Environmental Services; Dr. Abraham S. Fischler, former president and president emeritus of Nova Southeastern University, and Dr. Gary Krulik, a South Florida orthopedic surgeon.

Turf Diseases Have BAYLETON FOR WE
Deere reorganizes Lawn & Garden

RALEIGH, N.C. — Stream-lined product development, focused dealer service and enhanced customer satisfaction are behind a new market-based structure recently implemented by the John Deere Lawn & Grounds Care Division based here.

The division is structured into product groups to serve key markets: commercial, golf & turf (golf, commercial and sports field); lawn & garden products (rear-engine riding mowers through tractors); and power products (hand-held and walk-behinds).

Each group has responsibility to develop new products, support the retailer organization and fill orders, advertise products and support end users. All product groups share support services such as public relations and overall business development.

"This is not a major upheaval of jobs and people, but more a realignment to position John Deere for an aggressive effort in what we have identified as our key markets," said Bob Tracinski, manager of public relations for the new division.

EPA Approves Primo's Wettable Powder

WASHINGTON, D.C. — The federal Environmental Protection Agency has approved registration of Primo WSB, a new wettable powder formulation packaged in water-soluble bags. Primo WSB, a product of Greensboro, N.C.-based Ciba, may be used to regulate turf growth on golf courses. The new Primo product is also labeled for putting surfaces.

From page 53

Field testing

PRIMO WETTABLE POWDER

WASHINGTON, D.C. — The federal Environmental Protection Agency has approved registration of Primo WSB, a new wettable powder formulation packaged in water-soluble bags. Primo WSB, a product of Greensboro, N.C.-based Ciba, may be used to regulate turf growth on golf courses. The new Primo product is also labeled for putting surfaces.

Then, the company heard about the SoMat Model 2100 FCS, the first commercially-available device capable of multiple-channel data collection in field-testing applications. The Model 2100 FCS consists of a series of stackable modules which are mated together in a bus-like architecture and packaged in an aluminum case for rugged field testing applications. When the test request for the 3810 came in from the engineering department, Jacobsen had already purchased a four-channel 2100 FCS and had gained some experience with the unit.

The prototype was set up with the 2100 FCS and appropriate inserts for strain gauge pressure transducers. A laptop computer was used to program the 2100 FCS. Then, it was taken out to a local golf course for a number of endurance runs which focused on cross-cutting cycles which involve stopping and starting drive motors every 15 to 20 seconds. Back in the lab, the device was downloaded into a laptop computer running SoMat Test Control Software (TCS) which downloads the data and displays it on the screen as desired. It was immediately apparent that start-up spikes in the hydraulic reel motors in the prototype design were of concern.

Collecting three channels of data at one time, it was relatively easy to trace the spike from the drain line to the valve to the motor and determine the cause of the problem was an electrical solenoid valve used in the prototype. The response time of the valve was so short that it produced a pulse that could be tracked throughout the hydraulic system by graphing the three channels of data simultaneously on the screen.

The solution was replacing the valve with a special soft start-up model that ramped up to the desired speed. Collecting only a single channel at a time would have made it very difficult to sort out the relative effects of each of the components in the hydraulic line. Other important aspects of the testing program included strain gauge work on critical frame areas which insure that structural limits would not be exceeded when the four-wheel drive option was added to the mower. Temperature testing for various hydraulic components was also conducted.

With the one-channel device it was necessary to download data into the desktop computer after each run which took about a half-hour per run.

A laptop computer can be connected to the SoMat model 2100 FCS to view data immediately after the test is completed — or even in real time, while the test is running. This time-saving feature makes it possible to immediately determine whether appropriate data is being generated so that a test can be re-run immediately if necessary.

Generally, the model 2100 FCS is bolted to the fender of the equipment, although the latest models have gloveboxes into which the units can be tucked. The unit can be self-powered with three 9-volt batteries thus eliminating the need to provide power from the vehicle for short duration tests. The entire unit, including laptop computer, fits into one oversized briefcase which can be packed as carry-on luggage.

EPA APPROVES PRIMO'S WETTABLE POWDER
Tralies appointed president of Jacobsen

PROVIDENCE, R.I. — Philip J. Tralies has been appointed president of Jacobsen Textron in Racine, Wisc., according to Textron, Inc., the parent company based here.

Tralies, 48, has been with Textron for 17 years, most recently as senior vice-president of finance and administration at EZ-GO Textron in Augusta, Ga.

In other Jake news, the company has given Tresca Industries, Inc., the responsibility for eight additional counties along Florida's central west coast. Tresca is already an authorized Jacobsen dealer in northern and central Florida. Tresca is headquartered in Jacksonville and maintains full-service branches in Orlando and Tampa.

Jacobsen officials have also announced several personnel changes in customer service and product support:

Tony Saiia is now vice president of customer service and product support. Saiia, formerly vice president, is responsible for Jacobsen's product management, customer service and product training divisions.

Steve Yolitz joins Jacobsen as director of product management. Yolitz will be responsible for Jacobsen's product planning activities, coordinating product improvement and new product development requirements.

Terry Herlihy joins Jacobsen as a product manager. Herlihy will manage new product development and current product updates.

Bob Krick has been named manager of product and service training. Krick will be responsible for all product and service training activities.

Textron bolsters European stance with ORAG buy

PROVIDENCE, R.I. - Textron Inc. has acquired ORAG, one of Europe's leading distributor of golf and turf care equipment. Textron acquired certain assets of ORAG Inter AG — the Baden, Switzerland-based parent company — and the stock of four of its subsidiaries in Denmark, Germany, Italy and France. ORAG posted sales of $30 million in 1993.

"This acquisition enables Textron to expand ORAG's role to include market development, sales and distribution of our EZ-GO golf cars and Jacobsen products throughout Europe," said James F. Hardymon, Textron's chairman and CEO. "We will be better positioned to capitalize on market opportunities and expand our share in Europe."

Hardymon said the acquisition, terms of which were not disclosed, supports Textron's strategy to expand into international markets. Textron currently derives 28 percent of its revenues from international activity and plans to increase that number to 35 percent over the next five years.

Hoover Containment acquires LRS, Inc.

ALPHARETTA, Ga.— Hoover Containment Systems, Inc. — a wholly-owned subsidiary of the Hoover Group, Inc. — has completed the acquisition of substantially all of the assets, including the portfolio of patents, of LRS, Inc. of South El Monte, Calif.

LRS, Inc. was a manufacturer and distributor of aboveground storage tanks on the West Coast and owned numerous patents covering underground storage tanks.

Hoover has also announced it will locate a new manufacturing facility in Clanton, Ala.

The facility will manufacture and assemble aboveground storage tanks. It is anticipated the facility will begin manufacturing by 1995 and will employ 25 people within 12 months. Employment at the facility could reach 65 within 3 years. Hoover products are marketed under the Hoover and Lube Cube names.

Hoover Containment Systems is a division of the Hoover Group, Inc., which distributes and manufactures products for the maintenance, pest control, cleaning and restoration industries.

SEED RESEARCH OF OREGON CONSOLIDATES TEXAS OFFICES

DALLAS — Seed Research of Oregon's Dallas and Houston operations have consolidated into one location here at the Dallas facility. Michael Schupp, manager of the Dallas distribution and warehouse facility, has been appointed to head up the combined operation. Schupp, who will also be in charge of managing the Texas sales force and distributor network, can be reached at 214-350-2672.

Turn your cart fleet into a divot repair armada.

While our new Seed & Soil Caddie for Powered Golf Carts is not the first system ever invented for carrying seed and soil to the fairway, it certainly is the best. Compare the advantages for yourself.

Naturally, it's easy to use.

Our new Seed & Soil Caddie for Golf Carts makes it easy for your golfers to pour on the medicine wherever they make a divot!

Players simply grab it by its integral handle-spout and pour the mixture into the divot. It's easy to fill, too, since the entire bottom is a screw-on cap. To keep the rain out, we curved the spout. And we built it to last for years!

It's ideal for use on all brands of golf carts, and all necessary hardware is included for quickly and easily mounting the Holder to each side of the cart's framework or basket.

So why not make it easier for your golfers to repair divots? Contact your nearby Standard Golf distributor and ask about our new Seed & Soil Caddie for Golf Carts. It's the best way to turn your cart fleet into a divot repair armada!
Special review of triazines could lead to cancellations

WASHINGTON, D.C. — The U.S. Environmental Protection Agency (EPA) has begun a Special Review of three chemical pesticides known as triazines to determine how seriously their residues affect food and drinking water.

The triazines — atrazine, cyanazine, and simazine — are used to control broadleaf weeds and some grasses and are among the most widely used agricultural pesticides. The EPA has determined each of these pesticides could pose a significant risk to public health. The Special Review could lead to restrictions or even cancellation of the pesticides.

EPA studies with animals have shown that all three of the triazines under review produce mammary tumors in some strains of rats. They may also contribute to the still-increasing rate of breast cancer in American women, according to the EPA.

Triazines are among the most used pesticides in the U.S. on a volume basis. The EPA estimates about 90 to 120 million pounds of triazines are used annually in the U.S. Field corn accounts for about 80 percent of this use with sorghum accounting for another nine percent.

On golf courses, the triazines are used primarily as pre-emergent pesticides on warm season turfgrass.

The EPA has already taken actions to reduce the potential risks of the triazine products. In 1990, the use of atrazine was restricted to certified applicators (except for certain home turf products), application rates were reduced, protective clothing for agricultural workers was added as a label requirement, and application near wells was prohibited to protect ground water.

Then, in 1992, additional label changes were approved, including a further reduction in application rates, the requirement of buffer zones near surface waters, and deletion of non-crop uses. Similar label changes have also been approved for cyanazine, including restricted use.

The EPA has released a report describing the results of a 1992 agency initiative to reduce acute risks posed to birds by 12 granular pesticides.

The report, "Avian Granular Risk Reduction Initiative," indicates that most of the registrants/manufacturers of the 12 pesticides participated in the initiative. The pesticides are diazinon, chlorsulfuron, methomyl, fonofos, disulfoton, fenamiphos, beno diazophos, and ethoprophos. Measures taken to reduce risks to birds include label changes for lower application rates, more complete soil incorporation of granules, new application technologies, limiting the number of applications per season, scouting to determine infestation levels before applying pesticides and cancelling certain uses. Three of the pesticides — terbufos, fonofos and ethoprophos — did not receive label amendments or other measures.

To obtain copies of the report call the Communications Branch in the Office of Pesticide Programs at 703-260-5017.

EPA ROUND-UP

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A new reference book on integrated pest management (IPM) — the EPA's 650-page "Handbook of Integrated Pest Management for Turf and Ornamentals" — covers management of insects, weeds, diseases in turf, trees and shrubs. The material was compiled by more than 80 researchers and experts from the U.S. The book was planned, organized and edited by Anne R. Leslie, an employee in EPA's Office of Pesticide Programs who is nationally recognized for her efforts to prevent pollution and develop IPM, particularly on turf. Royalties from the book will go to a non-profit organization associated with the National Park Service to support future IPM projects. For more information contact Al Heier at 202-260-4374.

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Floating bunker pumper

The Bunker Pumper floating, portable pump, manufactured by Otterbine-Barebo, is designed to be an efficient, easy method of getting water out of the way fast. This self-priming pump removes water from sand traps, swimming pools and other low-lying areas.

Capable of starting in as little as 0.5 inches of water, the Bunker Pumper can pump 280 gallons per minute. Features include a Briggs & Stratton 8-horsepower engine and a cast aluminum alloy pump with built-in suction screen and skids. Weighing in at only 85 pounds, the pump is designed for easy handling. For more information, contact Otterbine-Barebo, Inc., 3840 Main Road East, Emmaus, Pa., 18049; or call 1-800-AER8TER.

DID YOU MISS GOLF COURSE EXPO?

Just because you couldn’t attend Golf Course Expo doesn’t mean you should miss out. Purchase the actual recordings of the conference sessions: Maintenance, Management & Marketing, and Development Tracks and have the convenience of listening to the sessions at your leisure.

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4. Full payment must accompany all requests. Checks must be drawn on US banks in US funds. For further information, contact Otterbine-Barebo, Inc., 3840 Main Road East, Emmaus, Pa., 18049; or call 1-800-AER8TER.

CIRCLE #301

COURSES AVAILABLE

1. Keynote Address: Arnold Palmer’s written transcript – $10.00 each, includes shipping & handling.
3. Water-Quality Impacts for Golf Courses – $10.00 each, includes shipping & handling.
4. Alternative Golf Developments: Profits in Golf Complexes – $10.00 each, includes shipping & handling.
5. Maintenance on a Shoestring – $10.00 each, includes shipping & handling.
8. Creative Golf Marketing: How To Boost your Bottom Line Without Spending a Fortune – $10.00 each, includes shipping & handling.
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Environmental sensor

WeatherMetrics, Inc. has developed a stand-alone weather station that can monitor up to 200 sensors, seven weather parameters and also calculate evapotranspiration for up to six crop coefficients. The Turf Weather Station does not require a computer. But with a computer, the station’s software works within Microsoft Windows. Data is read at 8 second intervals, averaged, and recorded at increments defined by the user.

For more information contact WeatherMetrics, Inc. at 1-800-869-6629.

CIRCLE #305

Classen core aerator

Classen Manufacturing Inc. has added the new TA-19 self-propelled roll-type core aerator to its turf equipment line. This 8-horsepower Honda engine will cover up to 24,000 square feet per hour. Other features include a rugged one-piece frame with removable weight bar and user-friendly handle and controls. The unit fits easily through a 30-inch gate.

For more information contact Classen Manufacturing Inc. at 1403 Pine Industrial Road, P.O. Box 172, Norfolk, Neb. 68701; or call 402-371-2294.

GCSAA sponsorships

Continued from page 53...

what the GCSAA calls a “major financial contribution” from Lebanon Turf Products, the association will begin collecting and cataloging information on golf course-related environmental issues.

This body of data, dubbed the “Environmental Resources Library,” will include appropriate scientific and technical journals, references, textbooks, trade and advocacy group magazines. The GCSAA’s Technical Information Services department will oversee the new library.

Other non-show sponsorships include Ciba’s backing of the GCSAA Certification Luncheon (held at the show) and the Environmental Steward Awards, co-sponsored by Ciba, RainBird and Jacobsen.

CIRCLE #306

New weather sensor

WeatherMetrics, Inc. has developed a stand-alone weather station that can monitor up to 200 sensors, seven weather parameters and also calculate evapotranspiration for up to six crop coefficients. The Turf Weather Station does not require a computer. But with a computer, the station’s software works within Microsoft Windows. Data is read at 8 second intervals, averaged, and recorded at increments defined by the user.

For more information contact WeatherMetrics, Inc. at 1-800-869-6629.

CIRCLE #305
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GOLF COURSE NEWS
January 1995
Golf Course Marketplace

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CALENDAR

January
2-March 10 — Rutgers Professional Golf Turf Management School in New Brunswick, N.J. Contact 908-932-9271.
3-5 — Wisconsin Turfgrass & Green Industry EXPO in Madison. Contact 608-262-1490.
5-6 — GCSAA seminar on Protection of Water Resources in Atlanta.
6 — GCSAA seminar on Implementing Strategies & Plants for Turfgrass Environmental Systems in Red Deer, Alberta, Canada.
9 — GCSAA Technician Training for Irrigation Specialists in Nashville, Tenn.
9-10 — GCSAA seminar on Introduction to Soil Science in Birmingham, Ala.
9-20 — 10th Annual Cornell Turfgrass Short Course in Ithaca, N.Y.
11 — GCSAA seminar on Turfgrass Stress Management in Charlotte, N.C.
12 — GCSAA Technician Training for Spray Technicians in City of Industry, Calif.
12 — GCSAA seminar on Golf Course Safety, Security and Risk Management in City of Industry, Calif.
13 — GCSAA seminar on Wildlife Management and Habitat Conservation in Cincinnati.
16 — GCSAA Technician Training for Spray Technicians in Indianapolis.
17-18 — GCSAA seminar on Golf Course Design Principles in St. Charles, Ill.
17-19 — Cook College IPM short course at New Brunswick, N.J. Contact 908-932-9271.
19 — GCSAA Seminar Training for Spray Technicians in Powell, Ohio.
19 — GCSAA seminar on Wildlife Management and Habitat Conservation in Vancouver, B.C., Canada.
19-20 — GCSAA seminar on Golf Course Restoration, Renovation & Construction Projects in Cromwell, Conn.
22-23 — 61st Annual Turfgrass Conference and Trade Show in Des Moines. Contact Steven Cook at 515-243-7777.
23-26 — 35th Virginia Turf and Landscape Conference and Trade Show in Richmond. Contact Bruce Tharp at 804-340-3473.
24 — GCSAA Technician Training for Spray Technicians in Rochester, N.Y.
24-25 — GCSAA seminar on Public Relations and Presentation Skills in Pittsburgh.
26 — GCSAA Technician Training for Irrigation Specialists in Albany, N.Y.
30-31 — Louisiana Turfgrass Assoc./Louisiana State University Agricultural Center Turfgrass Conference in Baton Rouge. Contact 504-388-2158.
30-Feb. 3 — Club Managers Association Engraved Yardage Labels.

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GOLF COURSE NEWS
Golf Course Marketplace

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GOLF COURSE NEWS
Golf Course Expo opens to acclaim

The inaugural Golf Course Expo — the only national trade show and conference for owners, managers and superintendents at public-access facilities — was a success, drawing more than 1,500 qualified attendees and 100 exhibitors to Orlando in November. Arnold Palmer and Robert Trent Jones Jr. keynoted the event, and more than 250 packed the education sessions. Clockwise from top: ClubCar's Mike Alexander signs an order; the trade show floor proved to be a busy place; Shop Talks — vendor-sponsored presentations held right on the show floor — played to capacity crowds; and conference listeners closely to knowledgeable speakers like Gregg Gagliardi (below) of Lansbrook Golf Course in Palm Harbor, Fla.

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We will be at booth 5330 at the GCSAA Show in San Francisco, February 27 - 29.

Expo '94: Sharing info

Continued from page 11

Florida Green magazine and superintendent at Walt Disney World's Magnolia Course, added: Use amendments like rubber/"poly" prills, geotextile fibers, wetting agents, humic acids/biosimulators.
• USGA Florida Section agronomist Chuck Gast urged lowering energy consumption with growth regulators, efficient pump stations, variable frequency drives and fertigation; and bettering the situation for wildlife with nature zones, buffers, nesting cavities and feeding zones.
• From USGA Florida Section Director John Foy's suggestions were: apply fertilizer only to meet the need of turf to recover from traffic and maintain density; and use slow-release fertilizers, or lightly but more frequently apply fast fertilizers to minimize leaching.

Meanwhile, golf course managers wrote myriad money-making tips such as these from GM-PGA head pro Gregg Gagliardi of Lansbrook Golf Club and Elaine Fitzgerald of Fitzgerald Productions:
• From Gagliardi: "We added a 'Beat the Pro' challenge and put the teaching pro on the tee. We gambled between $5 and $20. The golfers can't lose, because if they don't beat the pro they get $5 credit in the pro shop. If they do beat him, they double their money. If they play, they get their name in a free drawing."
He also added associate and international memberships. Hooking up with a German travel agency, he sold 300 associate memberships at $40 apiece. "So we got $12,000 in income, and I have yet to have a German come over and play," he said.
• From Fitzgerald: "We offered hotels a reason to fill rooms. With tourism starting to go down in Florida, hotels without amenities... can use our course as an amenity."

The course offered a commission to the hotel concierges for every visitor they sent. "We got our own salespeople working at each of 25 hotels," she said. "One made $2,000 alone from this, so she worked very hard."
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This will include the 5th Asia Pacific Golf Conference, the foremost golf course development and management seminar and, for the third year running, the Golf Course Superintendents Association of America (GCSAA) will conduct a series of seminars offering the trade targeted information.

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