

Briefs



EPA FUNDING RESEARCH

The Environmental Protection Agency will give \$1 million a year for 10 years to each of four universities chosen as EPA Exploratory Environmental Research Centers.

Of those chosen, the University of Maryland System at Horn Point was chosen to do multi-scale coastal marine ecosystem research, while the University of California at Davis was picked to study ecotoxicology.

The centers are being established to provide research directly related to the EPA's long-range research strategy.

An independent scientific peer review panel and site review teams recommended the grant recipients from among 87 that applied.

Along with Maryland and California universities, the Massachusetts Institute of Technology and consortium members Caltech and New Jersey Institute of Technology will study transformation, transport and control of airborne organics; and Michigan Technical University, with consortium members Wisconsin and Minnesota, will study clean manufacturing technologies.

WEST VIRGINIA ELECTS LEADERS

The West Virginia Golf Course Superintendents Association has elected officers for 1992.

President Charles A. Murray of Edgewood Country Club succeeds Past President John C. Cummings of Berry Hills Country Club.

Vice president is Arthur R. Casto of Kanawha Country Parks, while Patrick E. Lewis of Scarlet Oaks Country Club is secretary-treasurer.

Serving on the board of directors are Howard H. Lott of Bridgeport Country Club; Carl Buttrey of St. Marys Golf Club; Gary Roush of Riverside Golf Club; David A. Tennant of Lakeview Resort (North Course); Dr. John F. Banieki of WVU Extension Service; and Richard A. Piatnek of Tri-Star Soils, Inc.

The officers and directors will guide the association in 1992 through its regular monthly educational meetings, annual scholarship and research fund-raiser golf tournament in June, and annual turf conference and show in November.

40 YEARS IN FLORIDA

The Florida Turfgrass Association will celebrate its 40th year at its annual conference and trade show, Sept. 20-23 at the Prime F. Osborn Convention Center in Jacksonville.

This year's conference will feature an educational program led by national experts in turf and related fields.

The event draws more than 2,000 visitors. More information is available from the Florida Turfgrass Association and Research Foundation at 800-882-6712.

RESEARCH SUPPORTED

The New Hampshire GCSA said it will continue its support for one more year of two research studies — Stan Swier's study of using nematodes to control cut worms, and Dr. John Roberts' research on winter kill.

The chapter donated more than \$11,000 for research in 1991.

Saluting solutions

Gainey Ranch's effluent plant gets an 'A'...

By Lyn Tilton

When Gainey Ranch of Scottsdale, one of 93 golf courses in the Phoenix, Ariz. area, sought permission to build its 27-hole complex in the mid-1980s, the city fathers responded, "Sure, but if you want water you'll have to build an efficient treatment plant." So they did, then donated it to the city.

"The plant cost \$4 million," said George Corthouts, superintendent of the semi-private course. "Scottsdale owns and operates the plant, and delivers the water we need at 46 percent of the cost of potable water rates in this area." That currently translates to 62 cents per thousand gallons, compared with \$1.38 for other users.

The treated water flows at 15,000 gallons per minute over a massive waterfall on the 9th hole of the Lakes nine, then meanders through the rest of the lakes. At the lowest point on the complex, the water is drawn out for irrigation, or recycled through the waterfall. In this desert state, a waterfall is an added attraction for visitors, and helps Gainey Ranch



George Corthouts, rear, discusses water treatment with Jim Tombaugh, treatment plant manager, inside the plant.

achieve 320 rounds of golf daily in the winter months and an average of 100 golfers in the summer.

"Frankly," said Corthouts, a Connecticut native used to rain, "in this area if you don't have water you don't have a golf course."

When you use 2 million gallons per day, water costs naturally add to the cost of play, which at this semi-private course comes in three rates: \$55, \$86 and \$100, plus taxes. "We are a true semi-private course, with one-third of our tee times reserved for guests at the Hyatt," Corthouts said.

"There are a lot of golf courses in the area, but in the winter we're all booked." Even with 93 courses to choose from, a seven-day reservation is not unusual during the winter months. Summer play is less intense, but it still makes watering schedules a challenge.

Gainey Ranch uses 100 percent of the water treated by the plant, which is situated next door to the maintenance complex. "In the winter it could support four or five courses, but during the four months of summer we need all of the water," Corthouts said.

He noted that the local water

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...while Ocean Reef Club taps into the ocean for its H₂O

By Kit Bradshaw

Superintendents throughout the country are using effluent from wastewater treatment plants to irrigate their courses.

But Ocean Reef Club in Key Largo, Fla., which is surrounded

by the sea, uses another method to capture this needed irrigation water. The club provides its irrigation water through its own desalination plant.

The reverse osmosis plant, which takes brackish water and

converts it to irrigation-quality water, has been operating for more than two decades. This desalination system provides the 36-hole golf course with 700,000 gallons of non-potable irrigation water a day. Potable water is

provided by the Florida Keys aqueduct which brings treated water from the Biscayne Aquifer.

The reason for the desalination is simple economics. Potable water from the aqueduct costs

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Kozelnicky garners coveted Georgia honors

By Vern Putney

AUGUSTA, Ga. — Never, in his wildest dreams, did George M. Kozelnicky think he would be sharing golf's center stage with the "King of Golf," nor that he would be congratulated on his achievements by the legendary Arnold Palmer.

Twenty-four hours after being inducted in the Georgia Golf Hall of Fame for service to the game, it hit home. The impact was staggering.

"It's the biggest thing that ever happened to me," said the retired instructor of agronomy and plant pathology at the University of Georgia.

"That this honor occurred in front of 800 of the most renowned names in golf and among my friends," said Kozelnicky, "is overwhelming."

A self-described "avid hacker"



Arnold Palmer joins George Kozelnicky in his celebration.

Photo by Frank Christian

who took up golf at age 43, Kozelnicky is enshrined alongside distinguished competitive company. The Hall, launched in 1989, now has 29 members. All but "Old Koz" have sparkling playing credentials.

Yet Kozelnicky has earned equal stature for game contributions.

Kozelnicky took a circuitous route to the Golf Hall of Fame.

The 73-year-old Akron, Ohio, native as a teenager mowed bluegrass tees. After serving in World War II as an aerial gunner and later as instructor, he attended the University of Georgia, where he obtained both bachelor's and master's degrees in less than four years. He became a faculty member in 1951.

While pursuing a doctorate at Purdue University from 1958 to 1961, he discovered the specialized

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Palmer Maples reaps laurels for much-honored golf family

Appreciation Award points to decades of contributions

Palmer Maples Jr. of Summit Chase Country Club in Snellville, Ga., former president of the Golf Course Superintendents Association of America, was presented an Award of Appreciation at a Georgia Golf Hall of Fame banquet in January.

The award was presented to Maples largely for his performance over several decades in which he has been a role model for aspiring superintendents.

He has helped many young superintendents find the way to the summit of their profession. One of them, Atlanta Athletic Club superintendent Ken Mangum, presented the Award of Appreciation in behalf of the Georgia Golf Course Superintendents Association.

A member of a famous golf indus-

try family, Maples was GCSAA president in 1975, a board member for six years, Georgia GCSA Superintendent of the Year in 1971, and served on the U.S. Golf Association Green Section Committee for 15 years.

One of the country's first 10 certified golf course superintendents, Maples was superintendent at Charlotte (N.C.) Country Club for 11 years, then moved to the Standard Club in Georgia in 1970. In 1977 he went to work as education

director for the GCSAA, leaving in 1981 after developing manuals and slide sets for education programs.

Palmer says, "As a writer and speaker, I've tried to share my experience as a golf course superintendent for 30 years and encourage other superintendents to provide the best playing conditions they can. We all receive from the men and women who went before us, and we need to give back all we can to insure the betterment of golf."

Palmer encouraged young

people coming into the business to seek all sources of information, try them out, and then tell others of the success or failure, because "there are times when knowing what not to do is as good as knowing what to do."

"No one ever said golf was fair, and no one says being a superintendent is an easy job. But it is rewarding. Seeing the beauty of God's nature and being able to work to enhance that beauty is a blessing in itself."

Independent course runoff studies sought

Golf Course News is calling for leads on turf runoff research that has been done or is planned at golf courses.

In order to add substance and bulk to the body of scientific knowledge, we are asking superintendents and others to let us know about any research they know about. Please contact Stuart Cohen at Environmental & Turf Services, Inc., 11141 Georgia Ave., Suite 208, Wheaton, Md. 20902.

Cohen will follow up any lead and compile the results to be summarized in a report for the industry.

Cohen said he has discovered instances of isolated, limited studies of golf course runoff or leaching. Usually, those studies are never publicly released, he said.

Kozelnicky

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agriculture of golf turf, saw the need for research and promotion of that field and decided to make golf turfgrass management his future.

Upon his return to Georgia, Kozelnicky expanded his teaching and research into turf, instituting a turfgrass disease course, with northern Georgia golf courses serving as laboratories.

This was the only course of its kind. Kozelnicky strived to acquaint his students and researchers with the game of golf because of his belief that anyone who researches and teaches turf must play the game.

He became executive secretary of the Georgia Golf Course Superintendents Association in 1968, retiring in 1989, and simultaneously served as editor of *Georgia Turfgrass News*, which promoted golf course management and the superintendent.

From 1961 until retiring in 1983, Kozelnicky conducted research on turfgrass disease and taught turfgrass management. He is particularly proud of the many graduate golf course superintendents situated across the nation.

He also advised the golf industry on management, environment, chemistry, and disease, insect and weed control.

Now residing in Athens, Kozelnicky is golf committee chairman of Jennings Mills Country Club in Bogart.

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